VGN-TX36C/TX36GP/TX36SP/TX37CP/TX37GP/TX37LP/TX37SP/TX37TP/TX38CP/TX3HP/TX3XP/TX3XRP/TX52B/TX72B/TX72PZ/TX850FP/TX850P/TX92PS/TX92S

SERVICE MANUAL
BOARD REPAIR

Ver 2-2006G

Revision History

S400 MEMORY STICK WiFi CERTIFIED Bluetooth VAIO

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Area	Model	Lineup	
Japanese	Japanese	VGN-TX52B/B VGN-TX72B/B VGN-TX72PZ VGN-TX92PS* VGN-TX92S*	
American	US/Canadian	VGN-TX850P/B	⚠ [MA]
	Latin	VGN-TX850FP	⚠ [MA]
European	AEP/UK	VGN-TX3HP/W	⚠ [MA]
		VGN-TX3XP/B	⚠ [MA]
		VGN-TX3XP/L	⚠ [MA]
		VGN-TX3XRP/B	⚠ [MA]
Asian/ Oceania/ South Africa	International	VGN-TX36GP/W	⚠ [MA]
		VGN-TX37GP/B	⚠ [MA]
		VGN-TX37GP/T	⚠ [MA]
		VGN-TX37GP/W	⚠ [MA]
	Korean	VGN-TX37LP/B	⚠ [MA]
	Chinese	VGN-TX36C/B	⚠ [MA]
		VGN-TX36C/T	⚠ [MA]
		VGN-TX36C/W	⚠ [MA]
		VGN-TX37CP/B	⚠ [MA]
		VGN-TX37CP/L	⚠ [MA]
		VGN-TX38CP/L	⚠ [MA]
	Taiwan	VGN-TX37TP/B	⚠ [MA]
	Thai	VGN-TX36SP/W	⚠ [MA]
		VGN-TX37SP/B	⚠ [MA]

*: CTO model

● **Design and specifications are subject to change without notice.**

PERSONAL COMPUTER

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SONY

B-876-473-02

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Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.
Dispose of used battery promptly.
Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrence; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

✣ ✣ ✣

サービス用のマニュアル

安全のために

設置や保守，点検，修理などを行う前に，この「安全のために」と，サービス用のマニュアルをよくお読みください。

サービス技術者へ

⚠ 警告

ソニー製品は安全に十分に配慮して設計されています。しかし，電気製品はサービス時に間違った扱い方をすると，火災や感電などにより死亡や大けがなど人身事故につながることがあり，危険です。
この「安全のために」は事故を防ぐために重要な注意事項を示しています。この「安全のために」及び別冊のオペレーションマニュアルの「⚠ 危険 ⚠ 警告 ⚠ 注意」をよくお読みの上，安全に設置や保守，点検，修理などを行ってください。
この「安全のために」は，製品全般の注意事項が記されておりますので，この機器をサービスする時には当てはまらない内容も含まれております。

警告表示の意味
このサービス用のマニュアルおよび製品では，次のような表示をしています。表示の内容をよく理解してから本文をお読みください。

⚠ 危険

この表示の注意事項を守らないと，火災・感電・破裂などにより死亡や大けがなどの人身事故が生じます。

⚠ 警告

この表示の注意事項を守らないと，火災や感電などにより死亡や大けがなど人身事故につながることがあります。

注意を促す記号

注意

火災

感電

行為を禁止する記号

禁止

行為を指示する記号

プラグをコンセントから抜く

強制

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電池についての安全上のご注意
漏液，発熱，発火，破裂などを避けるため，下記の注意事項を必ずお守りください。

⚠危険

- 電池は，正しく交換しないと爆発する危険があります。電池を交換する場合には必ずマニュアルで指定している電池を使用してください。
- 火の中に入れないでください。ショートさせたり，分解，加熱しないでください。発熱，発火，破裂の恐れがあります。
- 使用済電池は，端子(金属部分)にテープを貼るなどの処理をし，指定の方法で廃棄してください。

バックアップバッテリ交換時のご注意

- 過充電，ショート，逆極性による充電，分解，加熱，火に入れるなどすると，有毒物質の発生，水素ガス，酸素ガスの発生，表面温度の上昇の原因となります。
- 万一バッテリから漏液があったり，バッテリに穴があいた場合には，液漏れに素手で触らないよう留意の上，直ちに交換してください。

⚠警告

火災　感電

下記の注意を守らないと，
火災や感電による 死亡や大けがにつながることがあります。

1. 感電にご注意を

プラグをコンセントから抜く

- 部品交換の場合は感電の危険があるので電源プラグを抜いてください。
- 内部には高電圧の部分があり，通電時においては感電の危険がありますので充分ご注意ください。

2. 指定部品を使用する

強制

回路図，部品表に⚠印で指定されている部品は安全重要部品ですので指定のものをご使用ください。

3. 部品の取付けや配線の引き回しは元通りにする

強制

- チューブやテープなどの絶縁材料を使用した部品，及びプリント基板から浮かして取付けた部品を元通りにする。
- 引き回しやクランパーで発熱部品，高圧部品及び可動部分に接近しないように処理したハーネスの引き回しを元通りにする。

4. レーザー光を直視しない

強制

レーザー光放射による被爆を受けると，目に損傷を与える危険があります。
光学ブロックの調整やシールドケースを外すときは，以下の注意を厳守してください。

- 対レーザー光線保護眼鏡を正しく着用する。
- マニュアルにしたがって作業する。
- シールドケースを外したまま，機器を放置しない。
- 整備作業終了後，ただちにシールドケースを正しく取り付ける。

5. サービス後は安全点検を

強制

サービスのために取り外したネジ，部品，配線がもとどおりになっているか確認してください。
またサービスした箇所の周辺の部品及び線材の損傷してしまったところがないかなどを点検してください。

- 感電・漏電を防ぐために金属部と電源プラグの絶縁チェックを行ってください。

(絶縁チェッ クの方 法)

電源コンセントから電源プラグを抜き，電源スイッチをいれます。500 V絶縁抵抗計を用いて電源プラグのそれぞれの端子と外部露出金属部との間で，絶縁抵抗値が 1M Ω以上であること。この値以下の時はセットの点検修理が必要です。

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TABLE OF CONTENTS

Section	Title	Page

CHAPTER 1. POWER UP SEQUENCE/ BLOCK DIAGRAM

1-1. Power Up Sequence 1-1
1-2. Block Diagram 1-5
(to 1-5)

CHAPTER 2. DIAGRAMS

Schematic Diagrams and Printed Wired Boards Index 2-1
1. MBX-153 Board 2-2
(to 2-67)

Note: The parts location index which precedes every schematic diagram, serves as the electrical part list too.

History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は、"Revision History"として本データ末に記載してあります。

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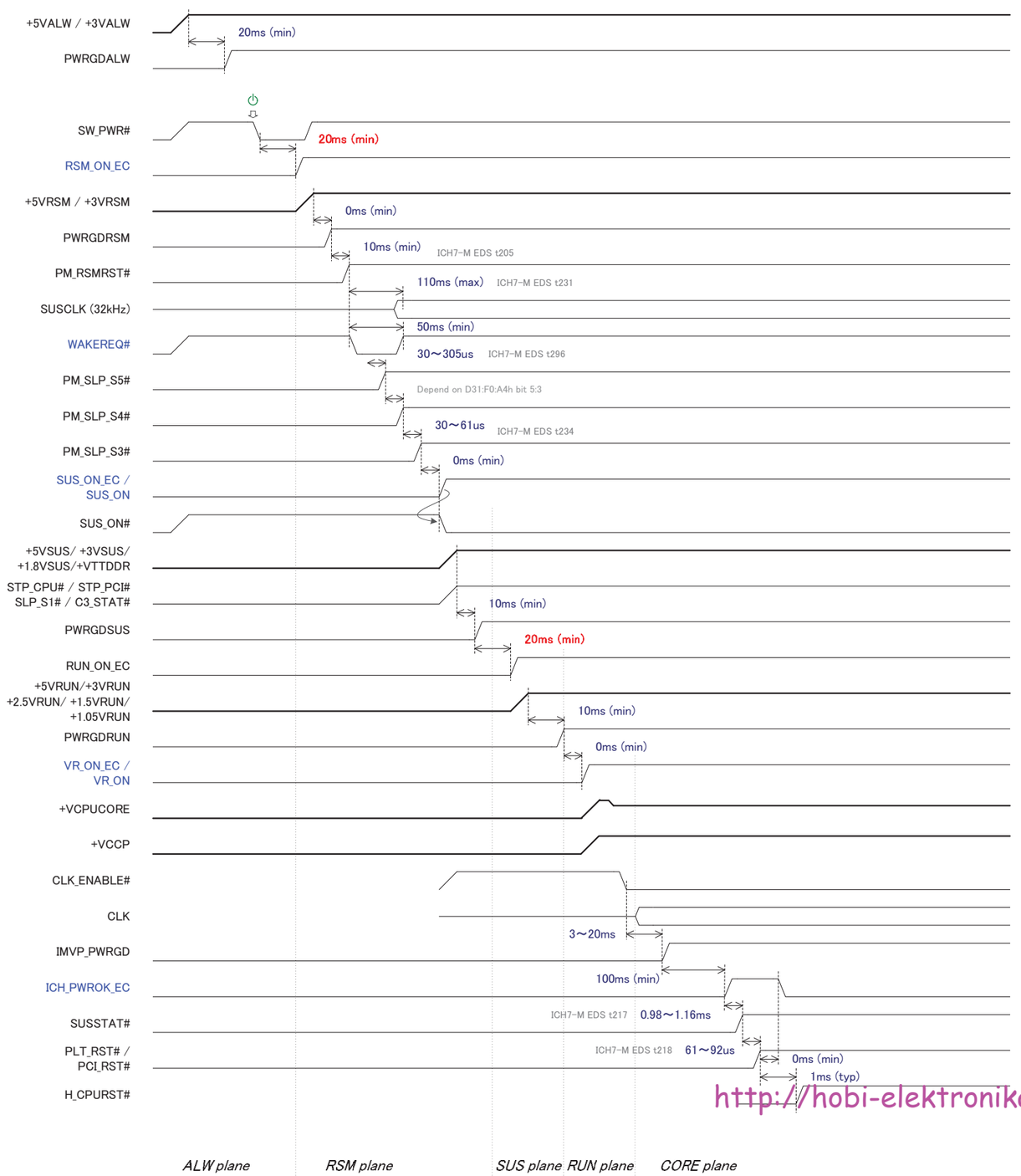
CHAPTER 1.
POWER UP SEQUENCE/BLOCK DIAGRAM

1-1. Power Up Sequence

G3 to S0 Timings <AC_STS=LO>



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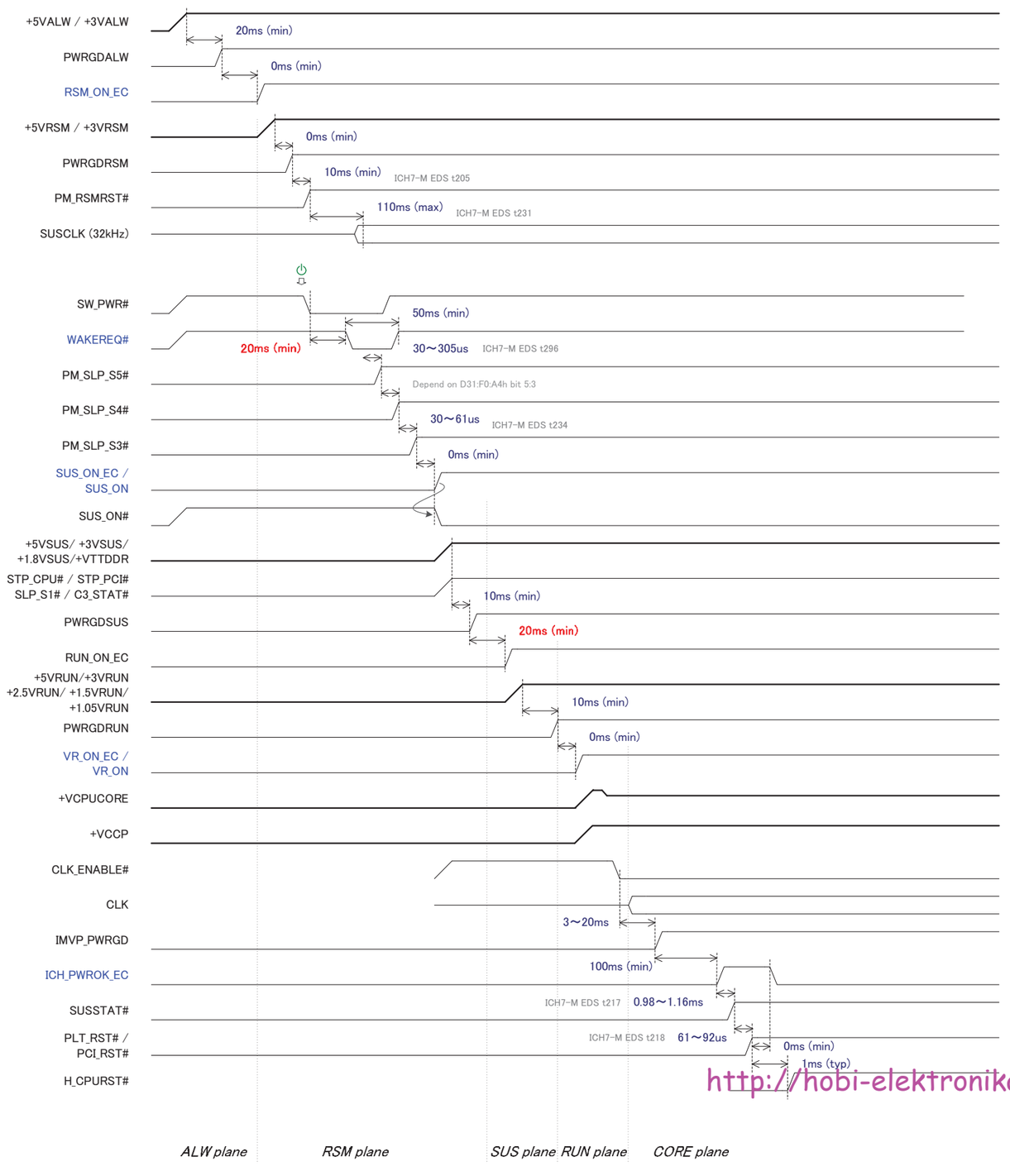
G3 to S0 Timings <AC_STS=HI>



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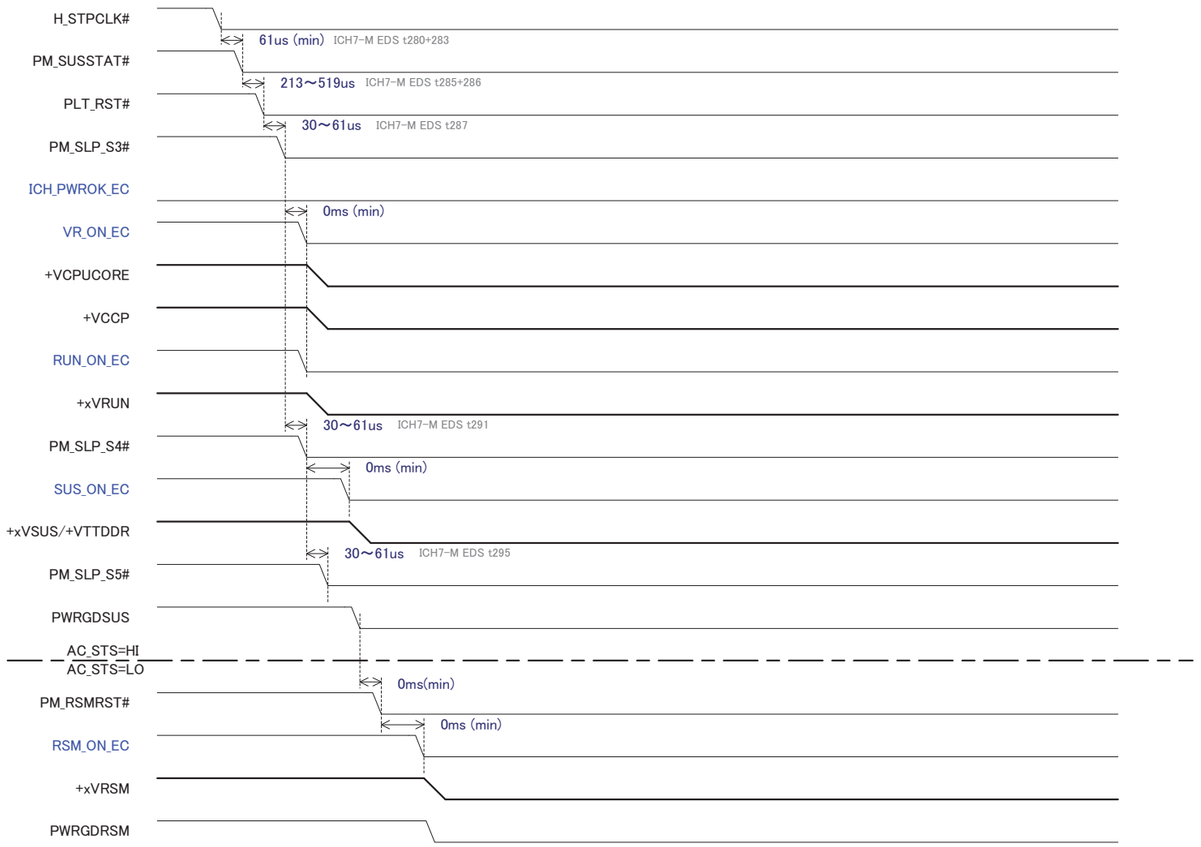
S0 to S4, S5 Timings



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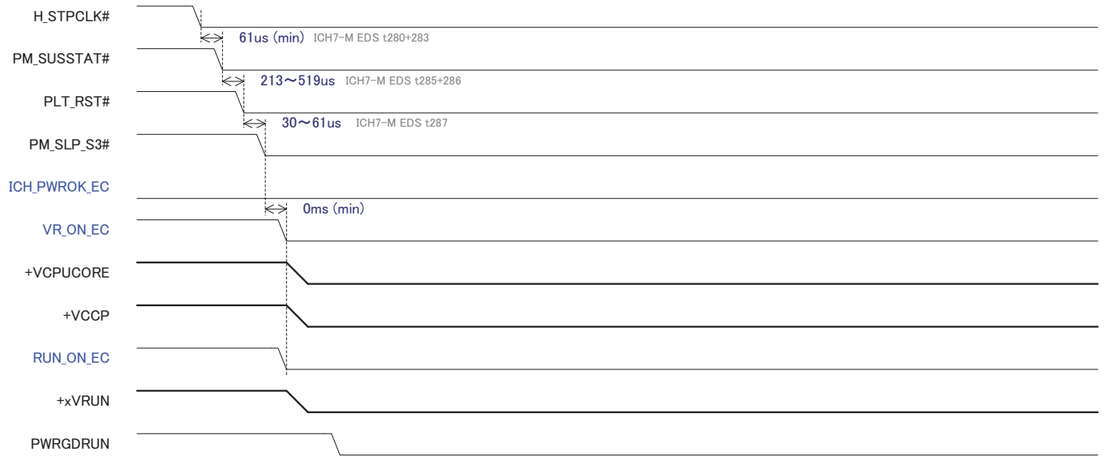
S0 to S3 Timings



S3 to S0 Timings

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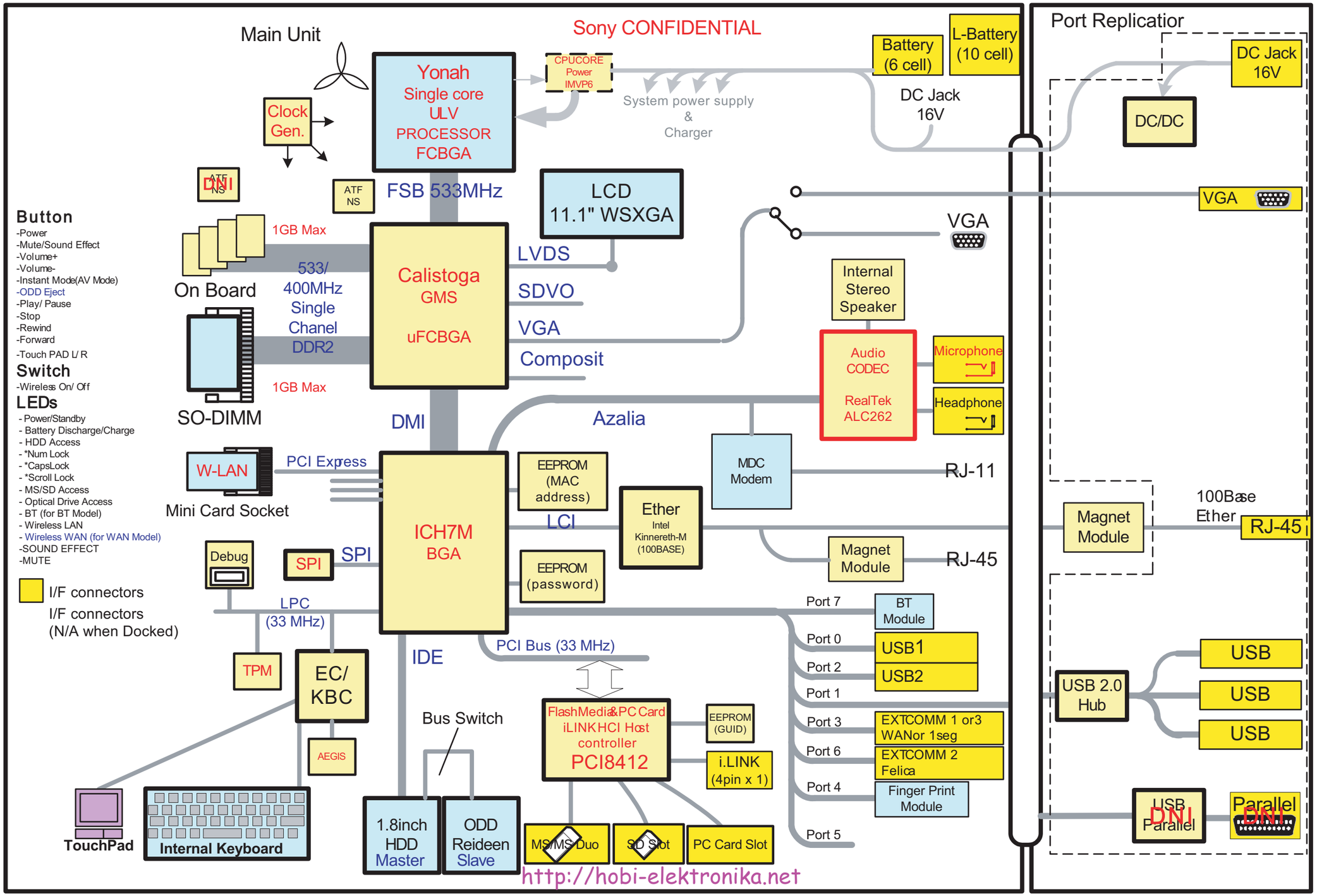
1-2. Block Diagram



CHAPTER 2.
DIAGRAMS

Schematic Diagrams and Printed Wired Boards Index

TYPE PAGE

1. MBX-153 Board

Parts Location Index 2-2
INDEX 2-13
BLOCK DIAGRAM 2-14
POWER SUPPLY DIAGRAM 2-15
CPU (1/2) 2-16
CPU (2/2) 2-17
CLOCK GENERATOR 2-18
GMCH (1/5) 2-19
GMCH (2/5) 2-20
GMCH (3/5) 2-21
GMCH (4/5) 2-22
GMCH (5/5) 2-23
DDR2 MEMORY (1/2) 2-24
DDR2 MEMORY (2/2) 2-25
ICH-7-M (1/3) 2-26
ICH-7-M (2/3) 2-27
ICH-7-M (3/3) 2-28
I. LINK & MS/SD & PCCARD (1/3) 2-29
I. LINK & MS/SD & PCCARD (2/3) 2-30
I. LINK & MS/SD & PCCARD (3/3) 2-31
EC (H8) 2-32
LCD BACKLIGHT CTRL 2-33
IDE (HDD & OPT DRIVE) 2-34
SUBBOARD CN1 2-35
SUBBOARD CN2 2-36
MINI CARD & WWAN 2-37
DOCK CN 2-38
AUDIO & TP IF CN & LCD CN 2-39
+VCPUCORE 2-40
+VCCP/+1.05VRUN/+1.5VRUN 2-41
+1.8VSUS/+VTTDDR/2.5VRUN 2-42
+3VALW/+5VALW 2-43
LOAD SW 2-44
TIMING SEQUENCER 2-45
+VPWRSRC 2-46
BATTERY CHARGER 2-47
+VDC_IN 2-48
UL CIRCUIT 2-49
DEBUG/POWER CHECK/ITP 2-50
VARIANCE 2-51
Signal Cross Reference 2-52
Part Cross Reference 2-58
Printed Wired Board 2-66

Note: The parts location index which precedes every schematic diagram, serves as the electrical part list too.

Abbreviation of Electronic Reference

Reference	Description	
	English	Japanese
ANT	Antenna	アンテナ
C	Polarized capacitor, Non-polarized capacitor	有極性・無極性コンデンサ・キャパシタ
CN	Connector, Jack, IC socket, Holder	コネクタ・ジャック・IC ソケット・ホルダー
D	Diode, Rectifier element, Light-emitting diode (LED)	ダイオード・整流素子・発光ダイオード(LED)
F	Fuse	ヒューズ
FL	Filter, Delay line	フィルタ・ディレーライン
FB	FB (ferrite bead)	(フェライトビーズ)
IC	Integrated circuit	集積回路
J	Jack	ジャック
JR	Jumper, Leads, 0-ohm resistor	ジャンパーリード０Ω抵抗
L	Inductor, Coil	インダクタ・コイル
Q	Transistor, FET	トランジスタ・FET
R	Resistor, Fuse resistor, Jumper resistor	抵抗・ヒューズ抵抗・ジャンパー抵抗
RB	Resistor block, Network resistor	抵抗ブロック・ネットワーク抵抗
RV	Semi-fixed resistor, Variable resistor	半固定・可変抵抗
RY	Relay, Electromagnetic relay	リレー・電磁リレー
S	Switch	スイッチ
T	Transformer	トランス
TH	Thermistor, Poly-switch	サーミスタ・ポリスイッチ
TP	Test point	テストポイント
X	Crystal oscillator, Oscillator	水晶発振子・発振器

Reference

Parts Location Inde x

Ref. No.	A/B	X-cordinate Value	Y-cordinate Value	Schematic Diagram Address	Value	Rating	Tol.	Part No.
CN4001	B	7.5000	8.6000	2D6	-	-	-	177062721
D4001	A	24.3000	3.6000	2D5	-	-	-	871905307
D4002	A	25.7000	3.6000	2D4	-	-	-	871906093
D4003	A	37.0000	3.6000	2D4	-	-	-	871906092
D4004	A	49.0000	3.6000	2D3	-	-	-	871906092
D4005	A	61.0000	3.6000	2D3	-	-	-	871906092
FB4001	B	15.2000	2.8000	2D6	1000	0.6A	-	141455521
FB4002	B	15.2000	4.6000	2D6	1000	0.6A	-	141455521
FB4003	B	15.2000	1.5000	2C6	1000	0.6A	-	141455521

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

1. MBX-153 Board

Parts Location Index

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C50	A	41.7500	32.8500	6E5	2200pF	6.3V	10%	112862811	CAP, CERAMIC 2200PF B (0603)	DNI
C52	A	40.5000	32.8500	6F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C60	A	42.0000	8.8000	6B4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C100	A	21.4000	70.1500	7E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C101	B	13.6000	49.4500	7E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C102	B	13.6000	48.1500	7E2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C103	B	13.6000	46.2500	7E2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C104	B	13.6000	44.9500	7E2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C105	B	13.6000	43.0500	7E2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C106	B	13.6000	41.7500	7E2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C107	A	20.1000	70.1500	7E1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C108	B	13.6000	52.5000	7E1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C109	B	14.0000	39.7500	7E1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C110	B	28.6000	39.7500	7D3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C111	A	18.8000	70.1500	7D3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C112	B	29.0000	49.4500	7D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C113	B	29.0000	48.1500	7D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C114	A	17.5000	66.7500	7D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C115	A	18.8000	66.7500	7D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C116	B	29.0000	43.0500	7D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C117	B	29.0000	41.7500	7D1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C118	A	17.5000	70.1500	7D1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C119	B	29.0000	44.9500	7D1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C130	A	20.1000	66.7500	7E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C131	A	20.7500	65.0000	7E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C140	B	29.0000	46.2500	7C3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C141	B	13.1000	51.2500	7C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C142	B	28.9000	51.2500	7C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C143	B	27.0500	38.9000	7C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C144	B	15.8000	38.9000	7C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C145	B	25.8500	38.9000	7C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C146	B	14.3000	51.2500	7C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C160	A	39.7500	25.2000	7C6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C161	A	38.5500	27.0500	7C6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C201	B	38.8500	50.4500	8E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C202	B	50.4500	46.4500	8E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C203	B	41.4000	55.8500	8E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C210	B	44.3000	55.8500	8E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C220	B	53.9500	54.1500	8E7	22pF	25V	5%	112860811	CAP, CERAMIC 22PF CH (0603)	-
C221	B	50.7500	57.3000	8E7	22pF	25V	5%	112860811	CAP, CERAMIC 22PF CH (0603)	-
C307	B	52.5500	45.5500	9D6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C321	A	47.1500	56.2000	9B6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C322	B	54.8500	46.3500	9A6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C330	B	68.4500	47.1000	9E2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C331	A	64.9000	72.6500	9E2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C400	B	56.1500	58.9000	12B5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C401	B	61.1500	55.4000	12B5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C402	B	65.6500	58.9000	12B5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C403	B	62.1500	55.5500	12B5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C404	B	56.3000	57.9000	12B6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C405	B	65.5000	57.9000	12B6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C406	B	59.3000	64.1000	12B6	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	DNI
C407	B	59.1000	65.8500	12B6	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	DNI
C410	B	62.6500	45.9500	11D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C411	B	53.0000	52.6000	11D2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C412	A	46.8500	55.4000	11E2	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C413	A	47.5000	50.9500	11D2	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C414	B	63.8000	44.5500	11C2	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C415	B	54.5000	45.5500	11C2	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C420	B	59.8500	75.4000	11E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C421	B	59.8500	74.1000	11E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C422	B	60.0000	73.1500	11E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C423	B	59.6500	62.2000	11E6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C424	B	59.8000	63.1500	11E6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C425	A	59.6500	72.1500	11E6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C430	A	46.5500	71.8000	11E4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C431	A	47.2000	70.8500	11E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C432	A	49.8000	72.6500	11D6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C433	A	48.8500	72.9500	11D5	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C434	A	46.0000	70.0000	11C4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C435	A	46.9500	69.6000	11C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C440	B	57.6500	62.5000	11E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C441	A	47.1500	63.4500	11D7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C442	A	47.2000	59.9000	11D6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C450	A	46.5000	66.9000	11D7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C451	A	46.4500	65.9500	11D6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C452	B	56.9000	70.8000	11C7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C453	B	56.5000	69.8500	11C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C454	B	66.6000	47.0500	11C7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C455	B	66.9000	46.1000	11C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C456	B	66.0500	44.4000	11C7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C457	B	65.4500	45.3500	11C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C460	A	45.9500	64.5000	11C4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C461	A	46.9000	64.3000	11C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C470	A	85.4500	71.3000	12E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C471	B	75.8500	50.1500	12E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C472	B	77.1500	50.1500	12E6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C473	A	85.5500	69.5500	12E6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C474	A	66.0500	72.6000	12E6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C475	A	75.5000	72.8500	12E6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C476	B	72.8500	57.4500	12D6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C477	A	75.5500	43.1500	12C6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C478	A	74.6000	43.1500	12C6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C480	A	69.4500	72.6000	12E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C481	A	67.8000	72.7000	12E3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C490	A	78.2000	68.2500	12D6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C491	A	76.2000	56.8000	12D6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C492	A	76.2000	54.3500	12D6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C493	A	76.2000	51.9000	12D5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C494	A	76.2000	47.8000	12D5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C520	A	46.9000	62.7500	13D3	15pF	50V	5%	116485411	CAP, CHIP CERAMIC 15PF CH 1005	-
C521	A	46.9000	61.9500	13D2	15pF	50V	5%	116485411	CAP, CHIP CERAMIC 15PF CH 1005	-
C522	A	46.9000	61.1500	13D2	15pF	50V	5%	116485411	CAP, CHIP CERAMIC 15PF CH 1005	-
C1100	B	103.9000	70.6500	14F3	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C1101	B	103.3000	71.6000	14F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1102	B	103.2000	8.2000	14A3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1110	B	103.9000	42.4500	14F3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1111	B	103.9000	35.1500	14F3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1112	B	90.9000	43.7000	14F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1113	B	90.9000	39.0000	14F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1114	B	102.9500	35.3000	14F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1115	B	102.9500	42.3000	14F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1120	B	115.5500	41.8000	14F6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1121	B	115.5500	39.8000	14F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1122	B	129.3000	42.5500	14F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1123	B	129.3000	37.9500	14F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1124	B	129.3000	41.1500	14F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1125	B	115.5500	37.8000	14F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1126	B	129.3000	36.5500	14F4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1130	B	90.9500	46.4000	14E6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1131	B	89.6000	42.3500	14E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1132	B	89.6000	40.2500	14E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C1133	B	89.6000	37.7000	14E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1134	B	89.6000	36.7500	14E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1135	B	90.5500	27.6000	14E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1136	B	88.7500	36.5500	14E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1150	A	108.1000	62.4000	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1151	A	125.3000	56.6500	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1152	A	108.1000	49.9000	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1153	A	108.1000	42.0000	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1154	A	119.5500	36.8500	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1155	A	109.9500	22.3500	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1156	A	108.1000	25.6500	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1157	A	119.0000	71.1000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1158	A	114.5000	8.5000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1159	B	129.3000	68.8500	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1160	B	108.0000	64.4000	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1161	B	126.0500	56.6500	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1162	B	109.7000	43.3000	15A8	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1163	B	122.6500	43.3000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1164	B	109.8000	35.8000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1165	B	107.4000	11.6000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1166	B	122.7000	9.1000	15A7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1180	B	108.0000	39.9500	14E6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C1200	A	111.7000	70.1500	15F8	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1201	A	113.8000	70.1500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1202	A	114.9000	70.1500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1203	A	118.6000	70.1500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1204	A	121.0000	70.1500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1205	A	116.1000	56.6500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1206	A	123.0000	56.6500	15F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1207	A	111.7000	56.6500	15F6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1208	A	120.1000	56.6500	15E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1210	A	110.2500	56.0500	15F6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1211	A	110.6000	56.6500	15F6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1212	A	113.9000	56.6500	15F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1213	A	121.9000	56.6500	15F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1214	A	111.7000	43.1500	15F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1215	A	113.8000	43.1500	15F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1216	A	117.5000	43.1500	15F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1217	A	123.4000	43.1500	15F4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1218	A	118.6000	43.1500	15E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1219	A	108.5500	56.6500	15F6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1220	A	112.2000	35.9500	15F4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1221	A	113.8000	35.9500	15F4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1222	A	114.9000	35.9500	15F4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1223	A	118.4000	35.9500	15F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1224	A	121.0000	35.9500	15F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1225	A	111.7000	22.4500	15F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1226	A	116.1000	22.4500	15F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1227	A	122.9000	22.4500	15F3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1228	A	120.1000	22.4500	15E3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1229	A	126.2500	22.4500	15F4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1230	A	110.8000	22.4500	15F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1231	A	113.9000	22.4500	15F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1232	A	121.2000	22.4500	15F2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1233	A	112.7000	9.0000	15F1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1234	A	113.5500	8.4500	15F1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1235	A	115.5000	8.4000	15F1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1236	A	117.5000	9.0000	15F1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1237	A	124.0500	9.0000	15F1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1238	A	118.6000	9.0000	15E1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1240	B	112.0000	70.1500	15C8	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1241	B	113.1000	70.1500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1242	B	114.9000	70.1500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1243	B	117.8000	70.1500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1244	B	121.9500	70.1500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1245	B	114.6000	56.6500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1246	B	115.7000	56.6500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1247	B	121.0000	56.6500	15C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1248	B	118.9000	70.1500	15C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1250	B	111.3000	56.6500	15C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1251	B	116.8000	56.6500	15C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1252	B	122.9000	56.6500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1253	B	112.2000	43.1500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1254	B	113.8000	43.1500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1255	B	115.4000	43.1500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1256	B	118.3500	43.1500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1257	B	120.5000	43.1500	15C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1258	B	119.0000	56.6500	15C5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1259	B	107.9500	56.6500	15C6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1260	B	112.2000	35.9500	15C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1261	B	113.8000	35.9500	15C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1262	B	115.1500	35.9500	15C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1263	B	117.5000	35.9500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1264	B	122.9000	35.9500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1265	B	114.6000	22.4500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1266	B	115.7000	22.4500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1267	B	121.0000	22.4500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1268	B	118.6000	35.9500	15C3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1269	B	108.9500	22.4500	15C4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1270	B	111.3000	22.4500	15C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1271	B	116.8000	22.4500	15C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1272	B	122.9000	22.4500	15C2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1273	B	112.2000	8.9500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1274	B	113.8000	8.9500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1275	B	115.4000	8.9500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1276	B	118.3500	8.9500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1277	B	120.5000	8.9500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1278	B	119.0000	22.4500	15C1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1280	A	117.5000	70.1500	15D7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1281	A	112.8000	56.6500	15D7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1282	A	115.0000	56.6500	15D5	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1283	A	116.4000	43.1500	15D5	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1284	A	117.3000	35.9500	15D3	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1285	A	112.8000	22.4500	15D3	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1286	A	115.0000	22.4500	15D1	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1287	A	116.4000	9.0000	15D1	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1289	A	117.5500	56.6500	15D7	2pF	50V	0.25p	116484211	CAP,CHIP CERAMIC 2.0PF CK 1005	-
C1290	B	116.0000	70.1500	15A7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1291	B	113.5000	56.6500	15A7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1292	B	112.4000	56.6500	15A5	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1293	B	117.2500	43.1500	15A5	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1294	B	116.2500	35.9500	15A3	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1295	B	113.5000	22.4500	15A3	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1296	B	112.4000	22.4500	15A1	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1297	B	117.2500	8.9500	15A1	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1299	A	117.5500	22.4500	15D3	2pF	50V	0.25p	116484211	CAP,CHIP CERAMIC 2.0PF CK 1005	-
C1300	B	76.3500	70.7500	19C6	12pF	50V	5%	116485211	CAP, CHIP CERAMIC 12PF CH 1005	-
C1301	B	80.1000	73.0000	19C6	12pF	50V	5%	116485211	CAP, CHIP CERAMIC 12PF CH 1005	-
C1305	B	73.4000	71.1500	19D5	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1310	B	71.7500	73.2000	19E6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	DNI
C1311	B	72.0500	72.0500	19E6	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1312	B	72.0500	71.0500	19E6	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C1313	B	70.2000	69.8000	19E5	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C1314	B	70.2000	70.6000	19E5	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1315	B	70.0000	71.7500	19E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1321	B	70.2000	69.0000	19D5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C1322	B	70.2000	68.0000	19D4	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C1323	B	72.8500	62.6000	19D4	220pF	16V	5%	116488211	CAP,CHIP CERAMIC 220PF CH 1005	-
C1412	A	76.3000	7.4000	16E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1413	A	76.3000	8.0000	16D7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1500	B	50.6000	36.0000	17C6	10pF	50V	0.5p	116485011	CAP, CHIP CERAMIC 10PF CH 1005	-
C1501	B	53.9000	38.8000	17C5	10pF	50V	0.5p	116485011	CAP, CHIP CERAMIC 10PF CH 1005	-
C1570	A	42.2000	21.8000	17B2	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C1580	B	73.7000	37.0500	17B4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1600	B	50.0000	22.4000	18F6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1601	B	69.0000	31.0500	18F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1610	A	75.5000	39.1000	18E6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1612	A	46.0000	4.1500	18E7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1613	A	45.7000	5.3000	18E7	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C1620	B	49.5500	10.6500	18D7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1621	B	48.4500	12.0000	18D7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1622	B	48.4500	10.8000	18D7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1623	B	48.4500	11.4000	18D6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1625	B	50.7000	10.6500	18D7	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1630	A	43.1000	30.7500	18C7	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C1631	A	43.3500	31.6000	18C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1632	A	43.3500	32.2500	18C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1640	A	43.7500	27.4500	18E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1641	A	43.6500	28.8500	18E4	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C1642	A	41.2500	28.0500	18E4	220uF	2.5V	20%	111256111	CAP, TANTALUM ELECT 220MF	-
C1643	A	43.8500	11.4000	18E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1644	A	43.8500	12.5000	18E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1645	A	42.9000	11.3000	18E4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1650	B	74.6500	32.0000	18D4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1651	B	71.4000	27.5500	18D4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1652	B	74.9000	11.1500	18D5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1653	A	43.8500	19.5000	18D4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1654	A	43.7500	26.3500	18D5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1660	B	64.0500	28.6500	18C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1661	B	59.7000	29.2000	18C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1662	B	59.7000	28.6500	18C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1663	B	55.9500	35.6500	18C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1664	B	59.7000	29.7500	18C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1665	B	57.6000	32.6500	18B4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1670	B	53.4500	32.9000	18B4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1671	B	53.4500	32.3000	18B4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1701	B	82.1500	52.6000	20A7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1702	B	81.6500	71.4000	20A7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1711	B	91.0000	69.4000	20F8	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1712	B	87.0500	52.6000	20F8	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1713	B	72.8500	58.4500	20F8	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1714	B	72.8500	59.4500	20F7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1715	B	77.2000	52.9500	20F7	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C1716	B	89.5000	52.6000	20F7	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C1717	B	88.7000	52.6000	20F7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1718	B	90.3000	52.6000	20F7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1721	B	82.4500	71.4000	20F5	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1722	B	91.0000	67.7000	20F5	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1725	B	72.8500	60.4500	20F4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1726	B	78.5500	52.6000	20F4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C1750	A	76.7500	79.2500	20E2	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C1751	A	65.4500	85.7500	20D1	220pF	16V	5%	116488211	CAP,CHIP CERAMIC 220PF CH 1005	-
C1752	A	84.8500	82.3000	20B1	220pF	16V	5%	116488211	CAP,CHIP CERAMIC 220PF CH 1005	-
C1753	A	79.7000	79.6500	20D1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1758	A	75.4500	80.1000	20D3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1759	A	79.7000	79.1000	20E2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1821	B	130.0000	17.0500	21D3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C1822	B	130.6000	16.1000	21D3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1850	B	91.0000	62.7000	21C6	2200pF	50V	10%	116493911	CAP, CHIPCERAMIC 2200PF B 1005	-
C1851	B	91.0000	59.8000	21C5	2200pF	50V	10%	116493911	CAP, CHIPCERAMIC 2200PF B 1005	-
C1900	B	117.8500	43.1500	23E6	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C1852	B	91.1000	55.2000	21C5	2200pF	50V	10%	116493911	CAP, CHIPCERAMIC 2200PF B 1005	-
C1900	B	32.3000	80.0500	22C4	10pF	50V	0.5p	116485011	CAP, CHIP CERAMIC 10PF CH 1005	-
C1901	B	27.2000	81.2000	22C3	10pF	50V	0.5p	116485011	CAP, CHIP CERAMIC 10PF CH 1005	-
C1910	B	38.6500	81.3500	22E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1911	B	34.8000	81.1000	22E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1912	B	42.6500	61.0000	22B5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1913	B	49.3500	81.8500	22F5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1914	B	48.5500	60.7500	22E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1915	B	47.7500	60.4500	22F5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C1917	B	32.6500	62.1000	22C7	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C1990	B	52.0500	68.5000	22B7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C1991	B	55.3000	60.8000	22B8	0.047uF	10V	10%	111992311	CAP, CERAMIC 0.047MF B 1005	-
C1992	B	52.4000	62.0500	22B8	0.047uF	10V	10%	111992311	CAP, CERAMIC 0.047MF B 1005	-
C1993	B	52.4000	63.8500	22B8	0.047uF	10V	10%	111992311	CAP, CERAMIC 0.047MF B 1005	-
C2111	B	39.5500	85.0500	23E2	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C2120	A	36.8000	76.5000	23C7	0.022uF	16V	10%	110781911	CAP,CHIP CERAMIC 22000PF B1005	-
C2125	A	41.5500	87.3500	23E6	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C2150	B	57.1500	79.1500	23A7	3300pF	16V	10%	116494011	CAP,CHIP CERAMIC 3300PF B 1005	DNI
C2170	A	57.3000	80.2500	23C4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	DNI
C2172	A	52.6500	79.7500	23D3	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C2173	B	60.2500	84.4500	23D2	0.1uF	50V	10%	111533911	CAP, CERAMIC 0.1MF B (2012)	DNI
C2175	A	57.3000	78.8000	23C4	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C2178	A	63.2000	76.3500	23D2	1.5uF	50V	-	111274311	CAP,SPECIAL CERAMIC 1.5MF 3526	-
C2179	B	63.2500	80.8000	23C2	470pF	50V	10%	116296211	CAP, CERAMIC 470PF B 1608	DNI
C2251	A	88.8000	7.3000	24D6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C2310	A	55.1500	5.2000	25E7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2311	A	2.3000	81.8500	25E5	22uF	6.3V	20%	110061191	CAP, CERAMIC 22MF C (2012)	-
C2312	A	4.2000	81.8500	25E5	22uF	6.3V	20%	110061191	CAP, CERAMIC 22MF C (2012)	-
C2313	A	6.8000	82.4000	25E4	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C2330	A	80.8000	5.6000	25D3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2500	B	106.5000	22.4500	27E4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C2513	A	76.1500	19.3500	27E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2514	B	105.5500	22.1000	27E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2515	A	76.1500	20.4500	27E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2520	A	108.6500	22.3500	27E4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C2521	A	108.1000	15.4000	27E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C2522	B	69.7000	23.8000	27E3	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C2532	A	107.8000	21.9000	27E4	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2533	B	80.8500	23.2500	27E3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2551	A	107.8000	23.0000	27E2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2600	B	130.1000	27.9500	28E3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2601	B	130.1000	28.7000	28E3	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C2910	A	124.2000	3.3500	29C7	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C3900	B	19.4000	72.4000	30D5	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C3901	B	18.9500	69.9500	30D7	2200pF	6.3V	10%	112862811	CAP, CERAMIC 2200PF B (0603)	-
C3902	B	16.3000	70.4500	30D7	0.22uF	6.3V	10%	116588711	CAP, CERAMIC 0.22MF (1005)	-
C3903	B	19.8500	66.0500	30C7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C3904	B	19.0500	64.4500	30C6	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C3905	B	17.1500	62.8000	30B3	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C3906	B	23.8000	64.4500	30C5	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C3907	B	24.4000	63.4000	30C5	4700pF	6.3V	10%	112863011	CAP, CERAMIC 4700PF B (0603)	-
C3908	B	17.5000	65.9500	30C6	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	DNI
C3909	B	18.6500	65.9500	30C6	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C3951	B	24.5500	73.6000	30D4	0.22uF	16V	10%	112771511	CAP,CHIP CERAMIC 0.22MF B 1608	-
C3952	B	26.9500	73.1500	30D5	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C3960	A	27.8500	73.1500	30E4	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C3961	A	24.7000	74.8000	30E4	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C3962	A	24.0000	77.9500	30E4	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C3970	B	28.3000	59.9000	30F7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C3971	B	29.0500	61.7500	30F6	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C3990	A	24.6500	68.4000	30D1	680uF	2.5V	20%	111286211	CAP, TANTALUM ELECT 680MF (734	-
C4101	B	58.8000	3.5500	31D7	220uF	2.5V	20%	111256111	CAP, TANTALUM ELECT 220MF	-
C4103	B	63.6500	5.6500	31D7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4104	B	49.9000	2.0500	31E6	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4105	B	54.3000	3.7500	31E6	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C4106	B	40.3000	27.2500	31E5	0.1uF	16V	20%	110050591	CAP, CERAMIC 0.1MF C (1005)	-
C4107	B	50.3500	13.4500	31D6	0.22uF	16V	10%	112771511	CAP,CHIP CERAMIC 0.22MF B 1608	-
C4108	B	39.7500	30.0000	31D6	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C4109	B	43.9000	35.0500	31E5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4110	B	42.2000	26.0000	31E4	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C4111	B	44.6000	34.7000	31C5	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	-
C4112	B	45.2000	34.7000	31C5	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	-
C4113	B	47.5000	35.0500	31C6	0.22uF	6.3V	10%	116588711	CAP, CERAMIC 0.22MF (1005)	-
C4121	B	45.8500	24.2000	31D2	330uF	2.5V	20%	110069521	CAP, TANTALUM ELECT 330MF	-
C4123	B	52.2500	28.6000	31D2	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4124	B	44.5250	16.8000	31E3	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4125	B	46.3500	12.3000	31E3	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C4126	B	47.4000	29.4500	31E4	0.1uF	16V	20%	110050591	CAP, CERAMIC 0.1MF C (1005)	-
C4127	B	62.7000	17.9000	31D3	0.22uF	16V	10%	112771511	CAP,CHIP CERAMIC 0.22MF B 1608	-
C4128	B	46.9500	31.5000	31D3	3300pF	16V	10%	116494011	CAP,CHIP CERAMIC 3300PF B 1005	-
C4150	B	40.4000	39.0000	31B7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C4151	B	44.9500	39.1500	31B6	100pF	50V	5%	116487411	CAP,CHIP CERAMIC 100PF CH 1005	-
C4220	B	84.8500	40.5000	32D4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4221	B	84.8500	39.3000	32D4	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4222	B	84.8000	47.1000	32E5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4223	B	88.3000	39.9500	32E5	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4224	B	88.7000	46.7000	32E5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4225	B	87.1500	40.2500	32E6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4250	B	57.5000	39.9500	32C2	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4251	B	55.8500	37.2000	32C3	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4252	B	55.8500	39.0500	32C3	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4260	B	84.2500	83.8000	32B7	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C4261	B	85.4500	76.9500	32C7	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4262	B	82.3500	79.3500	32C7	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4263	B	82.9500	80.7000	32C7	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	-
C4264	B	90.2000	83.4000	32C6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4265	B	85.9500	83.8000	32C5	220pF	16V	5%	116488211	CAP,CHIP CERAMIC 220PF CH 1005	-
C4266	B	87.4000	77.5000	32C6	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4267	B	87.9000	76.6500	32C6	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4268	B	84.6500	76.9500	32B6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4269	B	98.1000	80.9000	32B5	220uF	2.5V	20%	111256111	CAP, TANTALUM ELECT 220MF	-
C4270	B	96.9000	78.7000	32B5	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4271	B	85.5000	73.2500	32C5	47uF	6.3V	20%	111201121	CAP, TANTALUM ELECT 47MF(3528)	-
C4272	B	89.2500	73.2500	32C5	47uF	6.3V	20%	111201121	CAP, TANTALUM ELECT 47MF(3528)	-
C4301	B	70.3000	20.0250	33D7	330uF	6.3V	20%	110039521	CAP, ELECT 330MF 7.3X4.3	-
C4302	B	66.3500	23.8500	33D8	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C4303	B	62.3500	19.0000	33D8	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4304	B	67.4500	1.0500	33E6	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4305	B	74.3000	3.0500	33E6	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C4306	B	83.8500	2.7000	33D6	0.022uF	16V	10%	110781911	CAP,CHIP CERAMIC 22000PF B1005	-
C4307	B	85.2000	2.3500	33C7	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C4308	B	81.4500	1.8500	33D5	0.22uF	16V	10%	112771511	CAP,CHIP CERAMIC 0.22MF B 1608	-
C4309	B	83.5000	2.0000	33C6	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C4310	B	87.7000	5.1000	33C6	0.22uF	6.3V	10%	116588711	CAP, CERAMIC 0.22MF (1005)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C4311	B	79.8000	3.8000	33D5	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C4312	B	79.2000	6.8000	33D5	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4321	B	84.8000	25.1000	33D1	220uF	4.0V	20%	110069821	CAP, TANTALUM ELECT 220MF	-
C4322	B	77.2000	22.1000	33D1	10uF	6.3V	20%	111253411	CAP, CHIP CERAMIC 10MF B(1608)	-
C4323	B	77.3000	27.7500	33D1	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4324	B	75.8000	15.6000	33E3	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4325	B	76.2000	8.4000	33E3	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C4326	B	83.9500	9.8000	33D3	0.022uF	16V	10%	110781911	CAP,CHIP CERAMIC 22000PF B1005	-
C4327	B	85.1000	9.9000	33C2	220pF	16V	10%	112862311	CAP, CERAMIC 220PF B (0603)	-
C4328	B	82.2000	10.6500	33D3	0.22uF	16V	10%	112771511	CAP,CHIP CERAMIC 0.22MF B 1608	-
C4330	B	83.8500	10.7500	33C3	1000pF	16V	10%	112862711	CAP, CERAMIC 1000PF B (0603)	-
C4352	B	96.4500	2.0500	33A7	1000pF	50V	10%	116493711	CAP, CHIPCERAMIC 1000PF B 1005	-
C4353	B	92.4500	1.5500	33A7	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4391	B	89.6000	10.1000	33D4	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C4392	B	87.8500	7.9000	33D4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	DNI
C4401	B	82.5500	32.2500	34A7	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4432	B	57.6500	42.5500	34F7	2200pF	50V	10%	116493911	CAP, CHIPCERAMIC 2200PF B 1005	-
C4451	B	74.8000	42.2500	34E5	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4461	B	79.8000	34.8000	34D6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4501	B	56.7000	52.5000	35F3	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C4521	B	60.2500	53.1000	35D3	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C4531	B	64.9000	52.2500	35B3	0.47uF	6.3V	10%	110041511	CAP, CHIP CERAMIC 0.47MF(1005)	-
C4611	B	119.6000	72.2000	36D3	10pF	50V	0.5p	116485011	CAP, CHIP CERAMIC 10PF CH 1005	-
C4621	A	129.0500	67.1500	36C2	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C4624	B	126.3000	75.9000	36C6	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C4625	B	128.7000	75.5500	36C5	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4633	B	120.5000	74.8000	36D4	820pF	50V	10%	116473311	CAP,CERAMIC 820PF B 1608	DNI
C4634	B	120.5000	73.6000	36D4	820pF	50V	10%	116473311	CAP,CERAMIC 820PF B 1608	DNI
C4650	B	127.5000	70.6000	36C3	100pF	50V	5%	116487411	CAP,CHIP CERAMIC 100PF CH 1005	-
C4662	B	122.5500	75.7500	36C4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C4681	B	128.8000	74.1500	36B4	0.22uF	6.3V	10%	116588711	CAP, CERAMIC 0.22MF (1005)	-
C4702	B	73.3500	82.2500	37C6	4700pF	16V	10%	116494111	CAP,CHIP CERAMIC 4700PF B 1005	-
C4703	B	73.3500	83.0500	37C6	220pF	16V	5%	116488211	CAP,CHIP CERAMIC 220PF CH 1005	-
C4704	B	71.1500	83.8500	37C7	0.022uF	16V	10%	110781911	CAP,CHIP CERAMIC 22000PF B1005	-
C4705	B	73.3500	81.4500	37C6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4706	B	81.0500	84.3000	37C5	0.1uF	16V	20%	110050591	CAP, CERAMIC 0.1MF C (1005)	DNI
C4710	B	75.7500	77.8000	37D6	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4712	B	75.7500	76.6000	37D5	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4715	B	81.0000	81.2000	37C5	0.1uF	16V	20%	110050591	CAP, CERAMIC 0.1MF C (1005)	DNI
C4716	B	73.0500	79.2500	37D6	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4717	B	74.2000	74.9500	37E6	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C4731	A	95.7500	79.6500	37C3	22uF	16V	20%	110005521	CAP, CHIP CERAMIC 22MF B 3225	-
C4732	B	79.7000	77.8000	37D4	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4733	B	78.0000	77.8000	37D5	0.1uF	16V	20%	110050591	CAP, CERAMIC 0.1MF C (1005)	-
C4734	B	73.0500	80.4500	37D5	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C4770	A	120.6500	81.2500	37B1	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4771	A	100.6000	81.8000	37B3	470pF	16V	10%	112862511	CAP, CERAMIC 470PF B (0603)	-
C4781	B	81.8500	86.7000	37C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4790	A	97.5000	71.8500	37D4	10uF	25V	10%	110054412	CAP, SPECIAL CERAMIC 10MF 3626	-
C4791	B	76.0500	85.0000	37C7	0.1uF	6.3V	20%	110050491	CAP, CERAMIC 0.1MF C (0603)	-
C4792	A	98.2500	73.9500	37D3	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4801	A	9.3500	74.0000	38E6	0.01uF	25V	10%	116297011	CAP, CHIP CERAMIC 10000PF B	-
C4802	B	23.5500	84.7500	38E5	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4804	B	74.0000	85.0000	38C7	4.7uF	6.3V	10%	111274611	CAP, CERAMIC 4.7MF B (1608)	-
C4807	B	10.6500	79.6500	38B6	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4808	B	21.5500	84.4500	38E5	0.1uF	25V	10%	110059711	CAP, CHIP CERAMIC 0.1MF B 1608	-
C4893	B	19.2000	82.0500	38D5	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	-
C4902	B	77.1000	46.1000	39D7	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-
C4903	B	81.0000	46.4000	39D6	0.01uF	16V	10%	116494311	CAP,CHIP CERAMIC 10000PF B1005	DNI
C4910	B	77.2000	35.8000	39E3	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C4951	B	84.3000	34.8000	39C4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
C4955	B	87.0000	37.3500	39B3	1.0uF	10V	10%	116590811	CAP, CERAMIC 1000000PF B 1608	-
C4956	B	128.8000	7.7500	39B3	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	DNI
C4976	B	122.2000	81.5500	39B5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C4977	B	125.2000	78.0000	39B5	1.0uF	6.3V	20%	110050691	CAP, CERAMIC 1MF C (1005)	-
C5001	A	2.3500	62.9500	40C5	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	DNI
C5002	A	2.3500	62.1500	40C4	0.1uF	10V	10%	112577711	CAP, CHIP CERAMIC 0.1MF B 1005	DNI
CN60	A	42.6000	2.4500	6B4	-	-	-	177061911	PIN, CONNECTOR 2P	-
CN70	A	42.6000	57.0000	6B3	-	-	-	169480221	KITAGAWA_OG-363040	DNI
CN1100	B	97.0500	39.5500	14C2	-	-	-	181950811	SO-DIMM CONNECTOR (DDR) 200P	-
CN1701	A	74.9900	83.5250	20C2	-	-	-	182045211	CONNECTOR, FPC (ZIF) 80P	-
CN1900	A	114.1500	39.5500	22F7	-	-	-	181826021	CONNECTOR,BOARDTOBOARD20P	NS
CN2100	A	37.3500	82.7500	29B2	-	-	-	181945311	CONNECTOR,BOARDTOBOARD30P	-
CN2200	A	93.3400	3.0750	24D3	-	-	-	182045311	CONNECTOR, FPC (ZIF) 70P	-
CN2300	A	5.3500	85.6750	25E3	-	-	-	182014951	FFC/FPCCN13P	-
CN2330	A	68.2000	1.8000	25C3	-	-	-	181863751	CONNECTOR, FFC/FPC (ZIF) 50P	-
CN2400	A	70.4000	77.7000	26E1	-	-	-	177933251	CONNECTOR, FFC/FPC 16P	-
CN2490	A	59.9000	41.0000	26B4	-	-	-	181620552	CONNECTOR, FFC/FPC (ZIF) 24P	-
CN2500	A	92.1500	13.9000	27D5	-	-	-	182025711	CARD CONNECTOR(MINI-CARD)	-
CN2590	A	131.1000	18.3000	27B5	-	-	-	177933651	CONNECTOR, FFC/FPC 24P	-
CN2600	A	132.9500	38.3500	28D2	-	-	-	181863251	CONNECTOR, FFC/FPC (ZIF) 54P	-
CN2900	A	114.2500	3.6500	29E3	-	-	-	181981511	CONNECTOR,BOARDTOBOARD60P	-
CN4700	B	104.6000	79.6000	37B1	-	-	-	181945411	CONNECTOR, BATTERY (PLUG) 6P	-
CN4858	A	16.8000	80.9000	38E7	-	-	-	177062321	PIN, CONNECTOR 6P	-
CN4971	A	131.7000	75.6000	39B7	-	-	-	177061911	PIN, CONNECTOR 2P	-
CN5001	A	55.1500	74.7000	40D3	-	-	-	179484421	CONNECTOR,BOARDTOBOARD30P	-
CN5002	A	4.6000	77.6000	40D6	-	-	-	181702111	CONNECTOR, BOARDTOBOARD20P	-
CN5503	B	2.5000	55.2000	40B5	-	-	-	177933821	JST_28FLT-SM1-TB	DNI
D60	B	42.0000	5.6500	6B5	-	-	-	650138601	MTS_MA21D3800LS0	-
D111	B	74.5000	48.2500	7B2	-	-	-	650029901	MTS_MA2711100LS0	-
D2120	A	60.9000	76.9500	23D7	-	-	-	650128501	SCG_MM5Z47VT1	-
D2121	A	37.2500	78.0500	23C7	-	-	-	650127801	MTS_MAZD0620MLS0	-
D2171	B	60.2500	80.6500	23D2	-	-	-	650090901	MTS_MA22D1700LS0	-
D2175	A	62.5500	83.8500	23C3	-	-	-	650113201	SCG_MM5Z5V1ST1	-
D2310	A	8.9000	81.8000	25D4	-	-	-	650056201	NEC_NSAD500S-T1	-
D2430	A	73.1000	73.9000	26D3	-	-	-	871908171	TSB_DF8A6.8FK(TE85R)	-
D2431	A	64.6750	80.6500	26D4	-	-	-	650127801	MTS_MAZD0620MLS0	-
D2630	A	131.9000	61.0500	28C6	-	-	-	650143101	MTS_MAU2D3000BS0	-
D2630	A	131.9000	61.0500	28C6	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D2630
D2910	A	125.9000	7.1500	29C8	-	-	-	650029901	MTS_MA2711100LS0	-
D3900	B	22.0000	75.5500	30B7	-	-	-	650029901	MTS_MA2711100LS0	-
D3950	A	31.2000	71.5500	30D3	-	-	-	650138601	MTS_MA21D3800LS0	-
D3951	B	26.6000	75.2500	30E4	-	-	-	650081301	MTS_MA2SD32008S0	-
D3952	A	31.2000	73.4000	30D2	-	-	-	650138601	MA21D3800LS0	DNI
D3970	B	30.8000	61.7500	30F6	-	-	-	650143101	MTS_MAU2D3000BS0	-
D3970	B	30.8000	61.7500	30F6	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D3970
D3991	B	20.9500	77.3000	30A7	-	-	-	650029901	MTS_MA2711100LS0	-
D4101	B	41.1500	21.5000	31E5	-	-	-	650081301	MTS_MA2SD32008S0	-
D4102	B	46.4500	27.4000	31E4	-	-	-	650081301	MTS_MA2SD32008S0	-
D4104	B	40.5000	23.3500	31E5	-	-	-	650029901	MTS_MA2711100LS0	-
D4141	B	38.4000	32.8000	31C5	-	-	-	650031401	ROM_DAN222MT2L	-
D4142	B	39.1500	36.4500	31B5	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4142	B	39.1500	36.4500	31B5	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4142
D4150	B	38.7500	38.6000	31B7	-	-	-	650029901	MTS_MA2711100LS0	-
D4300	B	65.1000	3.7500	33D6	-	-	-	650138601	MTS_MA21D3800LS0	-
D4301	B	90.5500	6.0500	33B6	-	-	-	650029901	MTS_MA2711100LS0	-
D4303	B	78.6500	15.9500	33D2	-	-	-	650138601	MTS_MA21D3800LS0	-
D4311	B	91.3500	1.6500	33A6	-	-	-	650029901	MTS_MA2711100LS0	-
D4320	B	80.8500	10.7500	33F4	-	-	-	650031401	ROM_DAN222MT2L	-
D4321	B	80.3000	1.8500	33D5	-	-	-	650029901	MTS_MA2711100LS0	-
D4351	B	99.7500	0.8000	33B8	-	-	-	650029901	MTS_MA2711100LS0	-
D4352	B	99.7500	2.2500	33A7	-	-	-	650127801	MTS_MAZD0620MLS0	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
D4411	B	72.8500	27.7000	34D1	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4411	B	72.8500	27.7000	34D1	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4411
D4412	B	64.6500	30.5500	34C1	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4412	B	64.6500	30.5500	34C1	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4412
D4413	B	72.6000	29.8500	34C1	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4413	B	72.6000	29.8500	34C1	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4413
D4414	B	65.9000	30.9500	34B1	-	-	-	650081301	MTS_MA2SD32008S0	-
D4415	B	62.1500	27.3000	34B1	-	-	-	650081301	MTS_MA2SD32008S0	-
D4421	B	62.7000	43.6000	34E7	-	-	-	650127901	MTS_MAZD0910MLS0	-
D4521	B	58.0500	54.7500	35C3	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4521	B	58.0500	54.7500	35C3	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4521
D4531	B	65.9000	53.0500	35B3	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4531	B	65.9000	53.0500	35B3	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4531
D4551	B	55.7000	51.3500	35E3	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4551	B	55.7000	51.3500	35E3	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4551
D4607	A	128.2000	70.2000	36C2	-	-	-	650029901	MTS_MA2711100LS0	-
D4611	A	124.0000	74.1000	36E5	-	-	-	650029901	MTS_MA2711100LS0	-
D4621	A	130.5000	70.2000	36C7	-	-	-	650029901	MTS_MA2711100LS0	-
D4622	A	129.3500	70.2000	36C7	-	-	-	650029901	MTS_MA2711100LS0	-
D4623	A	131.5000	68.2500	36B7	-	-	-	650031401	ROM_DAN222MT2L	-
D4624	A	132.2000	70.1500	36C7	-	-	-	650031401	ROM_DAN222MT2L	-
D4640	A	128.8000	66.0000	36B3	-	-	-	650143101	MAU2D3000BS0	DNI
D4641	A	121.4000	74.1000	36E5	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4641	A	121.4000	74.1000	36E5	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4641
D4642	A	122.7000	74.1000	36D6	-	-	-	650113201	SCG_MM5Z5V1ST1	-
D4645	A	125.3000	74.1000	36D5	-	-	-	650113201	SCG_MM5Z5V1ST1	-
D4700	B	71.3000	78.5000	37D6	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4700	B	71.3000	78.5000	37D6	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4700
D4722	B	103.0000	76.3500	37C2	-	-	-	650029901	MTS_MA2711100LS0	-
D4731	B	78.4000	76.7000	37D5	-	-	-	650081301	MTS_MA2SD32008S0	-
D4770	A	116.0500	74.1000	37B2	-	-	-	650128201	MTS_MAZD36000LS0	-
D4771	B	98.8000	77.3500	37B2	-	-	-	650035201	SCG_MSQA6V1W5T2	-
D4782	B	81.3500	77.2000	37D8	-	-	-	650031401	ROM_DAN222MT2L	-
D4790	A	103.5500	74.1500	37F2	-	-	-	650106701	TSB_CMS05-TE12R	-
D4791	A	105.7000	73.2500	37E2	-	-	-	650128001	MTS_MAZD1800LLS0	-
D4801	A	9.4000	72.8500	38E6	-	-	-	650128201	MTS_MAZD36000LS0	-
D4802	A	18.4000	74.0000	38E5	-	-	-	650128601	MTS_MA22D3900LS0	-
D4803	B	25.6500	84.1500	38E4	-	-	-	650128001	MTS_MAZD1800LLS0	-
D4811	B	14.1000	78.8500	38B7	-	-	-	650031401	ROM_DAN222MT2L	-
D4822	B	19.1500	83.9000	38B7	-	-	-	650128001	MTS_MAZD1800LLS0	-
D4844	B	34.4000	83.3000	38D2	-	-	-	650031401	ROM_DAN222MT2L	-
D4901	B	80.0000	30.2500	39E6	-	-	-	650031401	ROM_DAN222MT2L	-
D4902	B	78.2500	30.2500	39E5	-	-	-	650031401	ROM_DAN222MT2L	-
D4903	B	81.5000	30.6500	39E4	-	-	-	650029901	MTS_MA2711100LS0	-
D4904	B	76.1500	33.4000	39E4	-	-	-	650031401	ROM_DAN222MT2L	-
D4905	B	74.4000	33.4000	39E3	-	-	-	650031401	ROM_DAN222MT2L	-
D4906	B	81.1500	44.6000	39D7	-	-	-	650127801	MTS_MAZD0620MLS0	-
D4914	B	76.4500	37.1000	39E3	-	-	-	650127801	MTS_MAZD0620MLS0	-
D4950	B	86.7500	36.2000	39B3	-	-	-	650143101	MTS_MAU2D3000BS0	-
D4950	B	86.7500	36.2000	39B3	-	-	-	650127201	ROM_RB520CS-30T2R	Alt D4950
D4971	B	122.3500	80.1000	39B6	-	-	-	650031401	ROM_DAN222MT2L	-
D4972	B	122.0500	78.0000	39A6	-	-	-	650031401	ROM_DAN222MT2L	-
D4973	B	123.4500	78.0000	39B5	-	-	-	650143101	MAU2D3000BS0	DNI
F2171	A	49.5500	79.3500	23D3	2A	DC32V	-	157641521	FUSE, MICRO (1608)	-
F4801	A	14.5000	71.1000	38E5	6.3A	AC125V	-	157681711	FUSE (SMD/FAST ACTING)	-
FB200	B	39.6000	56.1500	8E6	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB210	B	43.2500	44.3000	8E5	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB420	B	59.8500	76.7000	11E5	220	2.0A	-	140018021	INDUCTOR, EMI FERRITE (1608)	-
FB421	B	61.5500	60.9000	11E6	220	2.0A	-	140018021	INDUCTOR, EMI FERRITE (1608)	-
FB440	A	46.3000	59.9000	11D7	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB450	B	66.4000	48.2000	11C7	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
FL2322	A	10.9500	86.6500	28E5	160	120mA	-	140063321	COMMON MODE CHOKE COIL	-
FB451	B	64.9000	46.8000	11C7	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB452	A	46.6500	68.0000	11D7	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB453	B	57.0000	72.0000	11D7	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB1300	B	73.4000	72.8500	19E6	120	1.2A	-	140092911	BEAD, FERRITE (CHIP) (1005)	-
FB1610	A	46.0000	2.8500	18F7	600	0.2A	-	141444511	FERRITE, EMI (SMD) (1608)	-
FB1620	B	49.0000	13.4500	18D7	220	2.0A	-	140018021	INDUCTOR, EMI FERRITE (1608)	-
FB2310	A	5.8500	82.1500	25E5	220	2.0A	-	140018021	INDUCTOR, EMI FERRITE (1608)	-
FB4751	A	115.9500	75.9500	37B1	50	6.0A	-	146945811	FERRITE, EMI (SMD) (3216)	-
FB4801	A	11.7500	73.8500	38E7	50	6.0A	-	146945811	FERRITE, EMI (SMD) (3216)	-
FL2100	A	32.2500	78.4500	29B3	120	140mA	-	145706412	CHOKE COIL (EXC28CE121)	-
FL2101	A	34.8000	78.4500	29B3	120	140mA	-	145706412	CHOKE COIL (EXC28CE121)	-
FL2310	A	10.6500	79.2000	25D5	90	150mA	-	145722311	COMMON MODE CHOKE COIL	-
FL2320	B	11.3000	86.1000	25E5	180	250mA	-	145611111	COIL, COMMON MODE CHOKE	-
FL2321	B	11.3000	83.7000	25E5	180	250mA	-	145611111	COIL, COMMON MODE CHOKE	-
FL2610	A	130.1000	52.8000	28E4	0	1/32W	5%	123440021	CONDUCTOR, NETWORK (2010X4)	-
IC1	A	21.3000	45.6000	7D7,7C4	-	-	-	670937101	LE80538UE0042MSL8W7	Rep IC1 for U13_512
IC1	A	21.3000	45.6000	7D7,7C4	-	-	-	670951101	LE80538VE0041MSL8XW	Rep IC1 for 423_512
IC1	A	21.3000	45.6000	7D7,7C4	-	-	-	670953001	LE80538UE0092MSL8W6	Rep IC1 for U14_512
IC50	A	41.8500	36.3500	6E5	-	-	-	670321501	LM86CIMMX	-
IC200	B	44.6500	50.0500	8D6	-	-	-	670932501	ICS9LPR321	-
IC300	A	61.7500	58.0500	10D6,11D3,12D7,12D4,12D2,13D4,9E4,9D7	-	-	-	670958301	QG82945GMSSL8TC	-
IC1180	B	110.4000	40.4500	14D5	-	-	-	75560701	TMP101	DNI
IC1200	A	117.5500	63.4000	15E7	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1200	A	117.5500	63.4000	15E7	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1200 for 423_512
IC1201	A	117.5500	49.9000	15E6	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1201	A	117.5500	49.9000	15E6	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1201 for 423_512
IC1202	A	117.5500	29.2000	15E4	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1202	A	117.5500	29.2000	15E4	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1202 for 423_512
IC1203	A	117.5500	15.7000	15E2	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1203	A	117.5500	15.7000	15E2	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1203 for 423_512
IC1204	B	117.5500	63.4000	15B7	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1204	B	117.5500	63.4000	15B7	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1204 for 423_512
IC1205	B	117.5500	49.9000	15B6	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1205	B	117.5500	49.9000	15B6	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1205 for 423_512
IC1206	B	117.5500	29.2000	15B4	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1206	B	117.5500	29.2000	15B4	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1206 for 423_512
IC1207	B	117.5500	15.7000	15B2	-	-	-	670959201	HYB18T1G160AF-3.7	VAR
IC1207	B	117.5500	15.7000	15B2	-	-	-	670980701	HYB18T512160AF-3.7	Rep IC1207 for 423_512
IC1394	B	82.2500	62.0000	19D6,20C6,21C6	-	-	-	670931001	PCI8412ZHK	-
IC1400	A	60.0000	22.7500	16E2,16D6,17D3,17D7,18D5,18C2	-	-	-	670918801	NH82801GBMSL8YB	-
IC1531	B	52.8500	43.2500	17D5	-	-	-	875969510	TMS_M93C46-WDW6T	-
IC1570	A	42.8500	24.2500	17B3	-	-	-	875964944	SN74AHC1G02DCKR	-
IC1571	A	40.2000	22.1500	17B1	-	-	-	875964947	SN74AHC1G14DCKR	-
IC1580	B	69.6500	37.2500	17B5	-	-	-	670930501	M25P80-VMP6TG	-
IC1580	B	69.6500	37.2500	17B5	-	-	-	670925401	SST25VF080B-50-4C-QAF	Alt IC1580
IC1581	B	71.4000	45.0000	17A5	-	-	-	670591101	M24C02-WDW6TP	-
IC1701	B	83.1500	49.9500	20C8	-	-	-	670591101	M24C02-WDW6TP	-
IC1752	A	80.4000	74.0500	20E3	-	-	-	670855901	TPS2220BDBRG4	-
IC1821	B	129.8000	21.0000	21D3	-	-	-	670956601	TPS2056ADRG4	-
IC1900	B	41.5500	71.0500	22D5,22A5	-	-	-	670867001	HD64F2111BVTE10CV	-
IC1990	B	54.8500	64.5500	22B7	-	-	-	670938111	LIS302ALBTR	-
IC2120	A	46.8500	73.8000	23D7	-	-	-	875964933	SN74AHCT1G08DCKR	-
IC2121	A	39.3500	77.9000	23D6	-	-	-	875964947	SN74AHC1G14DCKR	-
IC2122	A	44.8000	87.7500	23D6,23D6	-	-	-	875959842	TC7WH00FK(TE85R)	-
IC2123	A	47.5500	77.1500	23E6,23D5	-	-	-	875959844	TC7WH08FK(TE85R)	-
IC2124	A	42.2000	77.5000	23F7	-	-	-	875964934	SN74AHCT1G14DCKR	-
IC2125	A	44.9000	77.5000	23E7	-	-	-	875964935	SN74AHCT1G32DCKR	-
IC2171	A	59.5000	81.3500	23C3	-	-	-	670000011	MAX1698AEUB-TG069	-
IC2210	A	102.8000	3.4500	24B7,24C6	-	-	-	875959844	TC7WH08FK(TE85R)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
IC2251	A	92.1000	7.3000	24D7	-	-	-	875964943	SN74AHC1G00DCKR	-
IC2310	A	51.0000	4.1000	25E7	-	-	-	670637901	BD6516F	-
IC2500	A	103.1500	6.8000	27D7	-	-	-	875964946	SN74AHC1G08DCKR	-
IC2610	A	129.5500	60.5000	28D7	-	-	-	875964933	SN74AHCT1G08DCKR	-
IC2620	A	129.5500	57.8000	28D7	-	-	-	875964933	SN74AHCT1G08DCKR	-
IC2640	A	129.5500	55.1000	28A7	-	-	-	875964944	SN74AHC1G02DCKR	-
IC2950	B	121.0500	3.6500	29B7	-	-	-	875964936	SN74AHCT1G86DCKR	-
IC3900	B	23.8000	68.7000	30D6	-	-	-	670993901	MAX8736AGTL+C3X	-
IC3970	B	26.3500	61.3500	30F5,30F6,30F7	-	-	-	875965654	TC7WH14FK(TE85R)	-
IC4101	B	43.3500	31.0000	31D5	-	-	-	670931201	MAX1540AETJ+TG069	-
IC4220	B	86.5000	44.3000	32E5	-	-	-	670737301	TPS51100DGQR	-
IC4250	B	57.8000	37.9500	32C3	-	-	-	660036401	TAR5S25U	-
IC4261	B	86.0000	80.5500	32C6	-	-	-	670822001	MAX1515ETG+TG069	-
IC4301	B	84.1000	6.2500	33D4	-	-	-	670948201	MAX8744ETJ+TG069	-
IC4302	B	94.5000	1.6000	33A7	-	-	-	670835401	R3112Q421A-TR-FA	-
IC4500	B	60.4500	39.8500	35D7	-	-	-	875964946	SN74AHC1G08DCKR	-
IC4501	B	64.6000	40.5000	35C6,35D6,35E7	-	-	-	875965654	TC7WH14FK(TE85R)	-
IC4511	B	58.4000	52.1500	35E3,35C3,35E2	-	-	-	875965654	TC7WH14FK(TE85R)	-
IC4521	B	63.2000	52.1500	35C2,35B2,35B3	-	-	-	875965654	TC7WH14FK(TE85R)	-
IC4601	B	124.4000	72.9500	36C4	-	-	-	670994201	MAX4211FETE+C3C	-
IC4681	B	131.5000	74.9000	36B4	-	-	-	875964947	SN74AHC1G14DCKR	-
IC4700	B	77.5500	81.4500	37D6	-	-	-	670490801	MAX1908ETI+TG069	-
IC4901	B	79.1000	46.2500	39D6	-	-	-	670830801	R3112Q251A-TR-FA	-
IC4952	B	83.6000	36.6000	39B3,39B2,39B4	-	-	-	875965654	TC7WH14FK(TE85R)	-
JR1	A	41.6500	40.1000	6E4	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
JR330	A	62.5000	72.9500	9E1	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
JR2900	A	119.0000	7.6500	29E8	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
JR2901	A	131.6500	6.5000	29D8	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	DNI
JR3900	B	18.8000	74.1000	30D6	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
JR3901	B	23.7500	61.6000	30E6	0	1A	-	169453511	CONDCTOR, CHIP (0603)	-
JR3902	B	23.7500	60.6000	30E6	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
JR3940	B	20.7500	64.4500	30C5	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
JR4221	B	85.6500	47.8000	32E4	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
JR4260	B	88.7500	83.6000	32C7	0	1A	-	169453511	CONDCTOR, CHIP (0603)	-
JR4261	B	87.9000	83.8500	32B7	0	1A	-	169453511	CONDCTOR, CHIP (0603)	DNI
L60	B	41.8000	9.8000	6B4	10uH	0.59A	20%	142891221	COIL, CHOKE 10UH	-
L2171	A	53.3000	85.3000	23D3	22.0uH	1.9A	20%	140094211	COIL, CHOKE 22UH	-
L3950	A	38.1000	69.0000	30D2	1.6uH	-	-	145727911	COIL, CHOKE 1.6UH	-
L4101	B	57.5500	10.8500	31D6	10uH	4A	20%	141994021	COIL, CHOKE 10UH	-
L4102	B	56.1000	21.6000	31D3	10uH	4A	20%	141994021	COIL, CHOKE 10UH	-
L4261	B	92.3000	79.5000	32C5	3.0uH	3.0A	20%	145711311	COIL, CHOKE 3UH	-
L4301	B	69.1000	11.5500	33D7	6.4uH	4.8A	20%	145684321	COIL,CHOKE 6.4UH	-
L4302	B	86.0000	17.7000	33D2	10uH	4A	20%	141994021	COIL, CHOKE 10UH	-
L4730	A	89.3000	76.8500	37C4	12uH	2.8A	20%	145684211	COIL, CHOKE 12UH	-
Q41	A	40.2500	60.4000	6A6	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q50	A	41.6500	41.3000	6F4	-	-	-	655140201	TSB_RN2104FS(TPL3)	-
Q51	A	40.2000	40.8500	6E4	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q60	B	41.1000	2.8000	6B4	-	-	-	655071801	ROM_RSR025N03TL	-
Q1570	A	42.9500	41.4000	17B2	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q1580	B	79.8500	28.1000	17B7,17B7	-	-	-	655079601	TSB_RN1904FS(TPLR3)	-
Q1900	B	30.6500	64.0500	22C2	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q1990	B	52.1500	69.6000	22B7,22B7	-	-	-	655078601	TSB_RN4984FS(TPLR3)	-
Q2111	B	40.0500	83.0500	23E3,23E1	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q2112	B	37.1500	84.4000	23F2	-	-	-	655000301	SCG_NTHS5404T1	-
Q2112	B	37.1500	84.4000	23F2	-	-	-	655138501	SCN_SI5404BDC-T1-E3	Alt Q2112
Q2113	B	41.7000	84.9500	23E3	-	-	-	655079501	TSB_RN1104FS(TPL3)	-
Q2153	B	54.5000	80.3000	23B6,23B7	-	-	-	655137401	TSB_SSM6N25TU	-
Q2154	B	51.4000	80.3000	23B4,23B5	-	-	-	655137401	TSB_SSM6N25TU	-
Q2155	B	54.5000	84.7000	23B7	-	-	-	872901517	NEC_2SC4783-T1L5/L6	-
Q2156	B	56.8000	84.7000	23B6	-	-	-	872901517	NEC_2SC4783-T1L5/L6	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
Q2157	B	49.9000	84.7000	23B5	-	-	-	872901517	NEC_2SC4783-T1L5/L6	-
Q2158	B	52.2000	84.7000	23B4	-	-	-	872901517	NEC_2SC4783-T1L5/L6	-
Q2159	B	57.1500	80.8500	23A7	-	-	-	655079501	TOSHIBA_RN1104FS	DNI
Q2171	A	61.4000	87.0000	23C2	-	-	-	655138401	NEC_2SK2857	-
Q2251	A	83.2500	4.1000	24E6	-	-	-	655013301	NEC_UPA1870GR(2)-9JG-E2	-
Q2251	A	83.2500	4.1000	24E6	-	-	-	655111901	FCD_FDW2501N-NBDE006A	Alt Q2251
Q2252	A	86.9000	7.1250	24D5,24D7	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q2411	A	68.3000	74.2500	26D6,26D6	-	-	-	655078401	TSB_RN2902FS(TPLR3)	-
Q2412	A	62.1000	79.4250	26C7,26D7	-	-	-	655078401	TSB_RN2902FS(TPLR3)	-
Q2421	A	64.9750	82.0500	26C6,26B6	-	-	-	655078401	TSB_RN2902FS(TPLR3)	-
Q2422	A	62.1000	82.3000	26B7,26A7	-	-	-	655078401	TSB_RN2902FS(TPLR3)	-
Q2500	A	108.6000	8.7000	27D2	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q2610	A	131.9000	58.0000	28E6	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q2620	A	130.2000	64.4000	28B7,28B6	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q2900	A	120.7000	8.0500	29E7,29E7	-	-	-	655078601	TSB_RN4984FS(TPLR3)	-
Q2901	A	129.8500	6.5000	29D7	-	-	-	655079501	TSB_RN1104FS(TPL3)	-
Q2910	A	125.6500	3.6500	29C7,29C7	-	-	-	655078601	TSB_RN4984FS(TPLR3)	-
Q2920	A	122.3500	8.0000	29D7,29E7	-	-	-	655078401	TSB_RN2902FS(TPLR3)	-
Q3900	B	18.8000	62.8000	30B3,30B2	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q3901	B	17.3000	73.4000	30A5,30C8	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q3902	B	14.1500	68.3000	30D8	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q3950	A	29.0000	76.1000	30E3	-	-	-	655153101	VSY_SI7806DN-T1-E3	-
Q3951	A	31.1500	68.6500	30D3	-	-	-	655152301	SCN_SI7114DN-T1-E3	-
Q4101	B	48.2750	5.3500	31E6	-	-	-	655080001	VSY_SI4830ADY-T1	-
Q4102	B	47.8250	18.3500	31E3	-	-	-	655080001	VSY_SI4830ADY-T1	-
Q4105	B	25.8000	30.9500	31D8,31D1	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4150	B	45.3500	41.4000	31B6	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q4152	B	39.8500	40.9000	31A7	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4153	B	42.7000	39.6500	31A5	-	-	-	655000301	SCG_NTHS5404T1	-
Q4153	B	42.7000	39.6500	31A5	-	-	-	655138501	SCN_SI5404BDC-T1-E3	Alt Q4153
Q4201	A	98.8000	80.0500	32B4,32C2	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4300	B	70.8000	3.2000	33E6	-	-	-	655152301	SCN_SI7114DN-T1-E3	-
Q4301	B	67.4500	4.0500	33D6	-	-	-	655108301	TSB_TPCF8001(TE85R)	-
Q4302	B	76.9500	13.0500	33E3	-	-	-	655153101	VSY_SI7806DN-T1-E3	-
Q4303	B	76.7000	19.0000	33D3	-	-	-	655152301	SCN_SI7114DN-T1-E3	-
Q4310	B	89.9500	2.1000	33C3,33C6	-	-	-	655079601	TSB_RN1904FS(TPLR3)	-
Q4371	B	77.4500	1.7000	33F6,33D5	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4391	B	90.0000	8.0000	33E4	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q4401	B	64.0000	23.7000	34B6,34D6	-	-	-	655085901	SCG_NTHD4508NT1G	-
Q4402	B	74.4000	24.5500	34B5	-	-	-	655013301	NEC_UPA1870GR(2)-9JG-E2	-
Q4402	B	74.4000	24.5500	34B5	-	-	-	655111901	FCD_FDW2501N-NBDE006A	Alt Q4402
Q4411	B	84.2000	31.0000	34A6,34A4	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4412	B	80.1000	33.2000	34A7,34D7	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4432	B	60.0000	43.2000	34E7,34E7	-	-	-	655104101	TSB_RN4904(T5RSONY,D,F)	-
Q4433	B	59.6500	45.7500	34E7	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4451	B	76.5000	43.5500	34E5	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q4452	B	75.7000	39.9500	34F4,34F3	-	-	-	655085901	SCG_NTHD4508NT1G	-
Q4461	B	80.0000	39.9000	34D4	-	-	-	655000301	SCG_NTHS5404T1	-
Q4461	B	80.0000	39.9000	34D4	-	-	-	655138501	SCN_SI5404BDC-T1-E3	Alt Q4461
Q4462	B	84.2000	33.2000	34D4,34D5	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4501	B	62.7000	39.2000	35A7	-	-	-	655079501	TSB_RN1104FS(TPL3)	-
Q4601	A	130.3000	72.2500	36D7,36E7	-	-	-	655078601	TSB_RN4984FS(TPLR3)	-
Q4613	B	131.0000	72.4000	36D6,36C5	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4614	B	124.2500	76.6500	36D5	-	-	-	655140201	TSB_RN2104FS(TPL3)	-
Q4621	A	131.4000	66.7000	36B7,36C7	-	-	-	655078601	TSB_RN4984FS(TPLR3)	-
Q4622	A	131.9000	72.2000	36B7	-	-	-	655079501	TSB_RN1104FS(TPL3)	-
Q4623	A	126.8000	72.4000	36B6	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q4640	A	121.4000	76.3500	36E5	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4641	A	124.0000	76.3500	36E5	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4650	B	128.8500	72.2000	36C3	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-
Q4702	A	100.6000	80.4500	37B3	-	-	-	655078901	TSB_SSM3K15FV(TPL3)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
Q4712	A	93.3000	71.0500	37D4	-	-	-	655108301	TSB_TPCF8001(TE85R)	-
Q4713	A	89.0000	71.0500	37D4	-	-	-	655108301	TSB_TPCF8001(TE85R)	-
Q4720	B	70.2000	75.7000	37E7,37E7	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4781	B	83.1000	86.2000	37D7	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q4782	B	81.0000	79.0500	37D7	-	-	-	655079501	TSB_RN1104FS(TPL3)	-
Q4792	A	110.0500	74.1500	37E2	-	-	-	655137201	TSB_TPC8112(TE12L,Q)	-
Q4792	A	110.0500	74.1500	37E2	-	-	-	655108001	NEC_UPA2716GR-E2-A	Alt Q4792
Q4793	B	105.9000	71.0500	37E3	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q4801	B	28.0500	84.4000	38E4	-	-	-	655070801	TSB_TPCF8104(TE85R)	-
Q4802	B	31.6500	84.4000	38E3	-	-	-	655070801	TSB_TPCF8104(TE85R)	-
Q4805	B	12.7000	80.8500	38B6	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4821	B	20.7000	78.9000	38B4,38C3	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4822	B	25.9000	78.9500	38D3,38D2	-	-	-	655104101	TSB_RN4904(T5RSONY,D,F)	-
Q4880	B	20.8000	82.3500	38D4	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q4881	B	20.8000	80.8000	38D4	-	-	-	655079101	TSB_SSM3J15FV(TPL3)	-
Q4901	B	83.1000	42.5000	39B2,39D5	-	-	-	655079001	TSB_SSM6N15FE(TE85R)	-
Q4902	B	83.2000	45.1000	39D6	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
Q4975	A	122.1500	78.9000	39B6	-	-	-	655023701	ROM_TRANSISTOR 2SC5658T2LQ/R	-
R1	A	39.6500	36.9000	6D5	56	1/20W	5%	124068011	RES, CHIP 56 (0603)	-
R2	A	39.5500	35.4500	6D5	68	1/16W	5%	121893911	RES, CHIP 68	-
R3	A	2.9500	56.0500	6D5	150	1/20W	5%	124068511	RES, CHIP 150 (0603)	-
R5	A	2.9500	54.9500	6C5	680	1/20W	5%	124069311	RES, CHIP 680 (0603)	-
R30	A	9.3500	27.0500	6C4	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R31	A	7.5500	27.0500	6C4	2.0k	1/16W	0.5%	120889411	RES, CHIP 2.0K (1005)	-
R32	A	30.7500	27.2500	6C3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	DNI
R33	A	29.6500	27.2500	6C3	56	1/20W	5%	124068011	RES, CHIP 56 (0603)	-
R34	A	19.9000	27.0500	6C2	27	1/16W	0.5%	122088011	RES, CHIP 27 (1005)	-
R35	A	17.3500	27.0500	6C2	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R36	A	16.8500	64.5000	6C2	27	1/16W	0.5%	122088011	RES, CHIP 27 (1005)	-
R37	A	15.6000	64.5000	6C2	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R41	A	41.7000	61.4500	6B7	56	1/20W	5%	124068011	RES, CHIP 56 (0603)	-
R42	A	41.7000	60.8500	6B6	470	1/20W	5%	124069111	RES, CHIP 470 (0603)	-
R50	A	40.3500	42.2500	6E4	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R60	B	43.3000	2.1000	6A5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R61	B	43.3000	3.5000	6A5	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R111	B	73.8500	49.8000	7B3	2.2k	1/16W	0.5%	120869111	RES,METAL FILM CHIP 2.2K(1005)	-
R220	B	50.7500	54.8000	8E7	1.0M	1/20W	5%	124072911	RES, CHIP 1M (0603)	DNI
R221	B	50.7500	55.9000	8E7	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R230	B	50.4500	53.0500	8C5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R231	B	50.4500	50.2000	8C4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R232	B	50.4500	47.0000	8C4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R234	B	47.8500	44.2000	8C4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R235	B	50.1000	51.3000	8C5	10k	1/16W	5%	121896511	RES, CHIP 10K	DNI
R240	B	43.5000	56.1500	8E3	33	1/16W	5%	121893511	RES, CHIP 33	-
R241	B	42.5000	56.1500	8E3	33	1/16W	5%	121893511	RES, CHIP 33	-
R242	B	38.8500	47.8500	8D3	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R243	B	38.8500	47.2500	8D3	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R244	B	50.4500	52.4500	8C3	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R245	B	48.4500	44.2000	8B5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R246	B	46.6000	43.9500	8B5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R300	B	56.9000	60.9000	9C3	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R301	B	54.0500	50.4000	9B7	33	1/16W	0.5%	120864711	RES, METAL FILM CHIP 33 (1005)	-
R302	B	52.4000	50.4000	9B7	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	-
R303	A	63.3750	72.9500	9E2	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R304	B	52.4000	51.4000	9A7	15	1/16W	0.5%	122087411	RES, CHIP 15 (1005)	-
R305	B	54.0500	51.4000	9A7	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R306	A	64.1750	72.9500	9E2	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R307	B	52.7500	47.1500	9D5	100	1/16W	0.5%	121894111	RES, CHIP 100	-
R308	B	52.7500	46.3500	9D5	200	1/16W	0.5%	122017411	RES, CHIP 200	-
R311	B	56.8000	48.0500	9B7	33	1/16W	0.5%	120864711	RES, METAL FILM CHIP 33 (1005)	-
R312	B	56.8000	46.3500	9B7	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R314	B	56.0000	46.3500	9A7	15	1/16W	0.5%	122087411	RES, CHIP 15 (1005)	-
R315	B	56.0000	48.0500	9A7	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R321	A	46.8500	57.8000	9B6	220	1/16W	0.5%	121894511	RES, CHIP 220	-
R322	A	46.8500	57.0000	9B6	100	1/16W	0.5%	121894111	RES, CHIP 100	-
R323	B	54.5500	47.9500	9A6	220	1/16W	0.5%	121894511	RES, CHIP 220	-
R324	B	54.5500	47.1500	9A6	100	1/16W	0.5%	121894111	RES, CHIP 100	-
R331	B	75.5000	52.1500	9B5	47	1/16W	0.5%	120885511	RES, CHIP 47 (1005)	-
R332	B	75.5000	52.9500	9B5	33	1/16W	0.5%	120864711	RES, METAL FILM CHIP 33 (1005)	-
R334	B	73.2000	55.3500	9A5	47	1/16W	0.5%	120885511	RES, CHIP 47 (1005)	-
R335	B	72.4000	55.3500	9A5	33	1/16W	0.5%	120864711	RES, METAL FILM CHIP 33 (1005)	-
R340	B	57.4000	65.8000	9D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R342	A	61.1500	74.2500	9D4	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R501	B	57.9500	66.8500	13E6	1.5k	1/16W	0.5%	120868711	RES,METAL FILM CHIP 1.5K(1005)	-
R510	A	60.7000	72.8500	13E4	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R511	A	61.5000	72.8500	13E3	15	1/16W	0.5%	122087411	RES, CHIP 15 (1005)	-
R512	B	57.9500	64.3500	13C4	220	1/16W	0.5%	121894511	RES, CHIP 220	-
R513	B	57.9500	63.3500	13C4	33	1/16W	0.5%	120864711	RES, METAL FILM CHIP 33 (1005)	-
R530	A	50.6500	72.3500	13E7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R532	B	56.4000	68.5000	13E7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	DNI
R1280	B	117.9000	56.6500	15D7	200	1/20W	0.5%	124076711	RES, CHIP 200 (0603)	-
R1281	A	119.0000	56.6500	15D6	200	1/20W	0.5%	124076711	RES, CHIP 200 (0603)	-
R1290	B	117.9000	22.4500	15D3	200	1/20W	0.5%	124076711	RES, CHIP 200 (0603)	-
R1291	A	119.0000	22.4500	15D3	200	1/20W	0.5%	124076711	RES, CHIP 200 (0603)	-
R1300	B	78.0500	70.7500	19C6	1M	1/16W	5%	121898911	RES, CHIP 1M	-
R1301	B	79.7500	70.7500	19C6	150	1/16W	5%	121894311	RES, CHIP 150	-
R1311	B	74.2000	72.8500	19C6	6.2k	1/16W	0.5%	120870211	RES,METAL FILM CHIP 6.2K(1005)	-
R1312	B	74.2000	71.1500	19C6	150	1/16W	0.5%	120866311	RES, METAL FILM CHIP 150(1005)	-
R1321	B	72.8500	67.0000	19D4	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R1322	B	72.8500	65.8000	19D4	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R1323	B	72.8500	64.8000	19D4	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R1324	B	72.8500	63.6000	19D4	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R1325	B	72.8500	61.5500	19D4	4.7k	1/16W	0.5%	120869911	RES,METAL FILM CHIP 4.7K(1005)	-
R1326	B	71.5000	62.1500	19C4	220	1/16W	0.5%	121894511	RES, CHIP 220	-
R1400	A	79.1500	6.9750	16F7	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R1401	A	79.1500	7.7750	16F7	15	1/16W	0.5%	122087411	RES, CHIP 15 (1005)	-
R1403	A	75.7750	39.9500	16D3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1425	A	74.5500	39.6500	16E6	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	-
R1440	A	80.8000	6.2000	16F3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R1450	A	80.9000	7.6000	16A5	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R1451	A	80.3000	7.6000	16A5	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R1452	A	46.8000	6.4000	16A5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R1453	A	46.2000	6.4000	16A5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R1461	A	78.0000	7.5000	16C3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1462	A	77.4000	7.5000	16C3	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1463	B	74.6000	5.5000	16B3	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1500	B	53.9000	36.7500	17C5	10M	1/10W	5%	121957011	RES, CHIP 10M (1608)	-
R1501	B	52.3000	36.0000	17C6	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
R1504	A	41.4500	10.2500	17D5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R1505	A	41.4500	10.8500	17D5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1506	A	42.4000	20.6500	17D5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1507	A	43.5000	20.3500	17D5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R1512	B	53.4500	33.5000	17C6	1.0M	1/20W	5%	124072911	RES, CHIP 1M (0603)	-
R1520	B	51.5000	33.9500	17E4	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	-
R1530	B	55.7500	30.5500	17D4	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R1531	B	55.1500	30.5500	17D4	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R1532	B	54.5500	30.5500	17D4	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R1533	B	53.9500	30.5500	17D4	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R1551	A	43.6500	9.8000	17C4	56	1/20W	5%	124068011	RES, CHIP 56 (0603)	-
R1553	A	41.4500	9.6500	17D4	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R1554	A	42.5500	9.8000	17C4	56	1/20W	5%	124068011	RES, CHIP 56 (0603)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R1560	B	57.9500	34.1000	17E1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	VAR
R1561	B	57.3500	34.1000	17E1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	Rep R1561 for 423_512
R1562	A	55.7500	6.0000	17E1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	Rep R1562 for 423_512
R1563	A	56.3500	6.0000	17E1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	VAR
R1564	B	57.9500	35.2000	17E1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1565	B	57.3500	35.2000	17D1	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R1570	A	40.0000	23.8000	17B2	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R1590	A	81.5000	7.6000	17A7	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1701	B	79.6000	53.1500	20C5	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R1702	B	84.1500	52.9000	20C7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R1703	B	82.9500	52.9000	20C7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R1704	B	84.7500	52.9000	20C7	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R1705	B	85.6500	52.9000	20C8	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R1706	B	81.7000	73.0500	20C8	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1707	B	87.8500	52.9000	20B7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R1731	B	83.2500	71.4000	20E5	33	1/16W	5%	121893511	RES, CHIP 33	-
R1732	B	91.1000	66.3000	20D5	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1733	B	91.1000	65.2000	20D5	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1821	B	127.1000	24.0500	21D3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R1822	B	128.5000	17.9500	21D4	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R1850	B	91.1000	64.1000	21D6	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1851	B	91.0000	61.2500	21D5	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1852	B	91.1000	56.6500	21D5	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1853	B	83.5500	52.9000	21D6	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R1854	B	91.0000	58.1000	21C5	47	1/16W	5%	121893711	RES, CHIP 47	-
R1855	B	91.1000	53.5000	21C5	47	1/16W	5%	121893711	RES, CHIP 47	-
R1900	B	31.3000	78.3000	22C3	1M	1/16W	5%	121898911	RES, CHIP 1M	DNI
R1901	B	30.3000	78.3000	22C3	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
R1910	B	42.3000	81.7500	22C7	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R1911	B	51.8500	65.9000	22E6	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	DNI
R1917	B	32.5500	62.8000	22D7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1920	B	41.0000	81.3500	22E3	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1921	B	41.6500	81.3500	22E3	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1922	B	31.4000	74.7000	22E2	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1923	B	31.4000	75.4000	22E2	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R1930	B	48.5000	81.6000	22B2	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R1931	B	47.4000	81.6000	22B2	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R1990	B	51.8500	65.3000	22C8	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R2111	B	41.7000	83.4500	23E3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R2112	B	40.5500	85.0500	23F2	150k	1/16W	5%	121897911	RES, CHIP 150K	-
R2113	B	39.8000	81.5000	23E1	100	1/16W	5%	121894111	RES, CHIP 100	-
R2120	A	39.2000	75.3500	23D7	8.2k	1/16W	0.5%	120890911	RES, CHIP 8.2K (1005)	-
R2121	A	39.2000	76.1500	23C7	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K(1005)	-
R2122	A	38.0000	76.2000	23D7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R2123	A	40.6000	75.8000	23C7	6.8k	1/16W	0.5%	120870311	RES,METAL FILM CHIP 6.8K(1005)	-
R2125	A	42.2500	88.0000	23E5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R2126	A	47.1500	88.2500	23C5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R2150	B	56.3500	80.5500	23A7	1.0M	1/20W	5%	124072911	RES, CHIP 1M (0603)	-
R2151	B	56.3500	79.1500	23A7	12k	1/16W	5%	121896611	RES, CHIP 12K	-
R2153	B	53.3000	82.5500	23B7	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R2154	B	54.1000	82.5500	23B7	15	1/16W	0.5%	122087411	RES, CHIP 15 (1005)	-
R2155	B	55.7000	82.5500	23B6	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R2156	B	54.9000	82.5500	23B6	16	1/16W	0.5%	122087511	RES, CHIP 16 (1005)	-
R2157	B	50.1000	82.5500	23B5	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R2158	B	50.9000	82.5500	23B5	16	1/16W	0.5%	122087511	RES, CHIP 16 (1005)	-
R2159	B	52.5000	82.5500	23B4	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R2160	B	51.7000	82.5500	23B4	16	1/16W	0.5%	122087511	RES, CHIP 16 (1005)	-
R2172	A	59.7500	77.6000	23C4	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R2179	B	63.2500	82.1000	23D2	10	1/10W	0.5%	121196911	-	DNI
R2200	A	94.5500	6.4000	24D2	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R2251	A	89.8000	7.3000	24E6	150k	1/16W	5%	121897911	RES,CHIP 150K	-
R2262	A	85.4500	6.5000	24D5	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R2330	A	80.8500	1.3000	25C4	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R2411	A	69.5250	74.2750	26D5	100	1/16W	5%	121894111	RES, CHIP 100	-
R2412	A	67.1000	74.2500	26D5	330	1/16W	5%	121894711	RES, CHIP 330	-
R2413	A	65.7000	74.0000	26C5	270	1/16W	5%	121894611	RES, CHIP 270 (1005)	-
R2414	A	65.7000	74.8000	26C5	330	1/16W	5%	121894711	RES, CHIP 330	-
R2421	A	63.4000	82.2500	26B5	68	1/16W	5%	121893911	RES, CHIP 68	-
R2422	A	64.3500	79.7000	26B5	68	1/16W	5%	121893911	RES, CHIP 68	-
R2423	A	62.4500	81.0500	26B5	68	1/16W	5%	121893911	RES, CHIP 68	-
R2500	A	104.9500	7.2500	27D7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R2610	A	131.4000	59.6000	28D7	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R2620	A	131.3500	56.4000	28D7	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R2630	A	131.7500	62.4500	28C6	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R2631	A	131.1500	62.4500	28C6	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R2640	A	131.6500	64.2000	28C7	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R2641	A	128.7500	64.6500	28B7	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R2900	A	124.4000	6.6500	29E6	100	1/16W	5%	121894111	RES, CHIP 100	-
R2910	A	124.4000	5.0000	29C6	750	1/16W	0.5%	120888411	RES, CHIP 750 (1005)	-
R2911	A	125.7500	2.4000	29C7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R2912	A	125.8000	5.7000	29C8	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R2920	A	124.4000	7.4500	29E6	330	1/16W	5%	121894711	RES, CHIP 330	-
R2921	A	124.4000	5.8000	29D6	100	1/16W	5%	121894111	RES, CHIP 100	-
R2960	A	110.5500	7.4500	29D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R3900	B	19.4000	74.1000	30E5	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R3901	B	17.1000	70.4500	30D7	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R3902	B	17.9000	70.4500	30D7	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R3903	B	18.5000	68.3500	30D7	33k	1/16W	0.5%	120892311	RES, CHIP 33K (1005)	-
R3906	B	16.8000	68.3500	30D7	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R3907	B	18.5000	69.1500	30C7	220k	1/16W	0.5%	120894311	RES, CHIP 220K (1005)	-
R3908	B	16.8000	69.1500	30C7	220k	1/16W	0.5%	120894311	RES, CHIP 220K (1005)	-
R3909	B	17.3000	75.2000	30B5	68	1/16W	5%	121893911	RES, CHIP 68	-
R3910	B	18.5000	67.5500	30C7	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R3911	B	16.8000	67.5500	30C7	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R3912	B	18.2500	66.6500	30C6	12k	1/16W	0.5%	120870911	RES,METAL FILM CHIP 12K(1005)	-
R3913	B	16.5500	66.6500	30C7	220	1/16W	0.5%	121894511	RES,CHIP 220	-
R3914	B	15.6000	65.7500	30C7	100	1/16W	5%	121894111	RES,CHIP 100	-
R3915	B	17.9000	64.7500	30C7	100	1/16W	5%	121894111	RES,CHIP 100	-
R3918	B	23.5000	74.9500	30B6	1.5k	1/16W	0.5%	120868711	RES,METAL FILM CHIP 1.5K(1005)	-
R3919	B	28.1000	65.2500	30B5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R3920	B	16.1000	63.2500	30B3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R3921	B	23.2000	63.4000	30C4	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R3922	B	23.8000	63.4000	30C4	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R3923	B	15.5000	69.6000	30C7	180k	1/16W	0.5%	120894111	RES, CHIP 180K (1005)	-
R3924	B	15.5000	67.9000	30D7	82k	1/16W	0.5%	120893311	RES, CHIP 82K (1005)	-
R3931	B	22.0000	73.4000	30B7	0	1A	-	169453511	CONDCTOR, CHIP (0603)	-
R3932	B	22.6000	73.4000	30A7	1.0M	1/20W	5%	124072911	RES, CHIP 1M (0603)	-
R3933	B	16.5500	64.4500	30C7	27	1/16W	0.5%	122088011	RES, CHIP 27 (1005)	DNI
R3934	B	13.9500	66.2000	30C7	27	1/16W	0.5%	122088011	RES, CHIP 27 (1005)	DNI
R3940	B	22.0000	63.4500	30C5	47	1/16W	0.5%	120885511	RES, CHIP 47 (1005)	DNI
R3941	B	22.0000	62.6500	30C5	27k	1/16W	0.5%	121897011	RES, CHIP 27K	DNI
R3950	A	30.9000	65.6500	30D2	0.002	1/2W	1%	124608911	RES, METAL PLATE 0.002 (3216)	-
R3951	B	23.5000	73.3000	30D5	3.3	1/16W	5%	122080211	RES, CHIP 3.3	-
R3952	B	20.5000	75.9000	30E3	2.2k	1/16W	0.5%	120869111	RES,METAL FILM CHIP 2.2K(1005)	-
R3953	A	20.9000	64.1000	30C1	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R3954	B	51.5000	64.4000	30E7	470	1/20W	5%	124069111	RES, CHIP 470 (0603)	-
R3970	B	29.8500	61.7500	30F6	68k	1/16W	0.5%	120893111	RES, CHIP 68K (1005)	-
R3990	B	21.4000	73.4000	30B6	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4101	B	38.6500	28.7500	31D6	2.2k	1/16W	0.5%	120869111	RES,METAL FILM CHIP 2.2K(1005)	-
R4102	B	38.1500	30.0000	31D6	22k	1/16W	0.5%	120871511	RES,METAL FILM CHIP 22K(1005)	-
R4103	B	38.9500	30.0000	31C6	22k	1/16W	0.5%	120871511	RES,METAL FILM CHIP 22K(1005)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R4104	B	39.3000	31.2500	31D6	2.0k	1/16W	0.5%	120889411	RES, CHIP 2.0K (1005)	-
R4105	B	51.6000	13.6500	31D6	2.0k	1/16W	0.5%	120889411	RES, CHIP 2.0K (1005)	-
R4106	B	45.9000	35.0500	31D6	68k	1/16W	0.5%	120893111	RES, CHIP 68K (1005)	-
R4108	B	45.4500	36.3000	31C6	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4109	B	46.7000	35.0500	31D5	33k	1/16W	0.5%	120892311	RES, CHIP 33K (1005)	-
R4111	B	47.1500	36.3000	31C5	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4112	B	41.6000	27.1000	31E5	6.8	1/16W	5%	124058211	RES, CHIP 6.8 (1005)	-
R4113	B	42.6000	35.8500	31E4	10	1/16W	0.5%	120863511	RES,METAL FILM CHIP 10 (1005)	-
R4114	B	47.4000	28.6500	31E4	6.8	1/16W	5%	124058211	RES, CHIP 6.8 (1005)	-
R4121	B	48.0500	30.2500	31D3	1.0k	1/16W	0.5%	120868311	RES,METAL FILM CHIP 1.0K(1005)	-
R4122	B	48.5500	31.5000	31D3	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4123	B	47.7500	31.5000	31C3	22k	1/16W	0.5%	120871511	RES,METAL FILM CHIP 22K(1005)	-
R4124	B	62.4500	16.8500	31D3	2.0k	1/16W	0.5%	120889411	RES, CHIP 2.0K (1005)	-
R4125	B	47.4000	32.7500	31D4	2.0k	1/16W	0.5%	120889411	RES, CHIP 2.0K (1005)	-
R4126	B	42.6000	34.7000	31D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R4127	B	40.1000	35.2500	31D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4129	B	43.2000	34.7000	31D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4130	B	40.9500	35.0000	31C5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4133	B	39.8500	33.6500	31C5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4134	B	39.8500	32.5500	31C5	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4135	B	40.9500	35.5500	31C4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R4150	B	39.0500	39.5500	31B7	150k	1/16W	0.5%	120893911	RES, CHIP 150K (1005)	-
R4151	B	37.9500	41.4000	31A7	680	1/20W	5%	124069311	RES, CHIP 680 (0603)	-
R4152	B	37.9500	40.8000	31A7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4153	B	45.8000	39.1500	31B6	150k	1/16W	0.5%	120893911	RES, CHIP 150K (1005)	-
R4181	B	60.9500	1.4000	31D7	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4182	B	25.8000	29.3000	31D8	47	1/16W	5%	121893711	RES, CHIP 47	-
R4183	B	44.5250	21.2500	31C2	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4184	B	27.4000	31.2500	31D1	22	1/16W	5%	121893311	RES, CHIP 22	-
R4185	B	41.8000	34.9000	31D4	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	DNI
R4230	B	85.0000	38.3500	32E4	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4251	A	99.8000	78.4000	32C2	100	1/16W	5%	121894111	RES, CHIP 100	-
R4261	B	82.2500	80.9500	32C7	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R4262	B	83.0500	76.9500	32B7	68k	1/16W	0.5%	120893111	RES, CHIP 68K (1005)	-
R4263	B	83.8500	76.9500	32B6	300k	1/16W	0.5%	120894611	RES, CHIP 300K (1005)	DNI
R4264	B	91.6500	83.3500	32B4	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4265	A	97.8000	81.7000	32B4	47	1/16W	5%	121893711	RES, CHIP 47	-
R4266	B	87.2000	84.2000	32C5	12k	1/16W	0.5%	120870911	RES, METAL FILM CHIP 12K(1005)	-
R4267	B	85.9500	84.6000	32B5	1.2k	1/16W	0.5%	121884911	RES, CHIP 1.2K (1608)	-
R4268	B	84.2500	84.6000	32B5	20k	1/16W	0.5%	120891811	RES, CHIP 20K (1005)	-
R4301	B	64.9000	19.9000	33D7	0.008	1/2W	1%	124608611	RES, METAL PLATE 0.008 (3216)	-
R4302	B	86.3500	0.9500	33C7	390	1/16W	0.5%	121894811	RES, CHIP 390	-
R4303	B	86.7500	2.1500	33C7	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K(1005)	-
R4304	B	85.9500	2.1500	33C7	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K(1005)	-
R4305	B	84.5000	1.4500	33D7	2.2	1/16W	5%	124416111	RES, CHIP 2.2 (1005)	-
R4307	B	82.4000	2.1500	33D5	2.2	1/16W	5%	124416111	RES, CHIP 2.2 (1005)	-
R4321	B	79.4000	23.3000	33D2	0.006	1/2W	1%	124608711	RES, METAL PLATE 0.006 (3216)	-
R4322	B	86.5500	11.7000	33C2	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4323	B	86.9500	10.5000	33C2	1.5k	1/16W	0.5%	120868711	RES,METAL FILM CHIP 1.5K(1005)	-
R4324	B	86.1500	10.5000	33C2	18k	1/16W	0.5%	120871311	RES,METAL FILM CHIP 18K(1005)	-
R4325	B	85.2500	11.3000	33D2	2.2	1/16W	5%	124416111	RES, CHIP 2.2 (1005)	-
R4327	B	83.1500	11.0500	33D4	2.2	1/16W	5%	124416111	RES, CHIP 2.2 (1005)	-
R4331	B	89.0500	3.9000	33C6	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K(1005)	-
R4332	B	89.0500	4.7000	33C6	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4333	B	88.2000	2.7500	33C3	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K(1005)	-
R4334	B	88.2000	0.9500	33C3	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	DNI
R4335	B	88.2000	1.8500	33C3	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4336	B	88.6000	6.0500	33C4	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4337	B	89.4000	6.0500	33C4	3.3k	1/16W	0.5%	120869511	RES,METAL FILM CHIP 3.3K(1005)	-
R4350	B	97.6000	0.8000	33B7	2.7k	1/16W	0.5%	121895811	RES, CHIP 2.7K	-
R4351	B	98.0500	2.0500	33B7	8.2k	1/16W	0.5%	120890911	RES, CHIP 8.2K (1005)	-

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R4352	B	97.2500	2.0500	33A7	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4372	B	77.6000	3.6500	33E5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4373	B	78.9000	10.6000	33E5	1k	1/10W	5%	121682111	RES, CHIP 1.0K (1608)	-
R4374	B	78.9000	9.3000	33E5	1k	1/10W	5%	121682111	RES, CHIP 1.0K (1608)	-
R4375	B	78.9000	8.0000	33E5	1k	1/10W	5%	121682111	RES, CHIP 1.0K (1608)	-
R4380	B	63.5500	26.4500	33D8	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4381	B	69.8500	26.4500	33D1	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4391	B	88.2000	11.7000	33D4	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K (1005)	-
R4392	B	87.7500	10.5000	33D4	1.0k	1/16W	0.5%	120868311	RES, METAL FILM CHIP 1.0K (1005)	-
R4393	B	88.5500	10.5000	33D4	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4394	B	88.6500	8.0000	33E4	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4401	B	81.7500	33.2000	34B7	150k	1/16W	0.5%	120893911	RES, CHIP 150K (1005)	-
R4402	B	90.1500	25.2500	34B6	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470 (1005)	-
R4404	B	67.9500	25.6000	34B4	100	1/16W	5%	121894111	RES, CHIP 100	-
R4411	B	64.6500	26.4500	34D2	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4412	B	64.9000	29.1000	34C2	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4413	B	71.4000	29.4250	34C2	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4433	B	62.0500	42.1000	34E7	33k	1/20W	5%	124071311	RES, CHIP 33K (0603)	-
R4434	B	60.3500	47.0500	34E7	1.0M	1/20W	5%	124072911	RES, CHIP 1M (0603)	-
R4435	B	58.1500	43.6000	34E7	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R4451	B	76.4500	42.2500	34F5	150k	1/16W	0.5%	120893911	RES, CHIP 150K (1005)	-
R4461	B	79.8000	35.6000	34D7	150k	1/16W	0.5%	120893911	RES, CHIP 150K (1005)	-
R4462	B	90.9500	25.2500	34D5	100	1/16W	5%	121894111	RES, CHIP 100	-
R4464	B	81.9000	39.6000	34D4	100	1/16W	5%	121894111	RES, CHIP 100	-
R4500	B	61.8000	37.7500	35D7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4501	B	62.7000	37.7500	35B7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4510	B	62.8000	40.9500	35C6	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4521	B	58.1500	49.6000	35D4	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4522	B	57.6500	55.9000	35C3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4523	B	58.4500	55.9000	35C3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R4531	B	63.4000	49.6000	35B4	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4532	B	66.2000	51.6500	35B3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4533	B	65.6000	51.6500	35B3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R4551	B	60.0000	51.3000	35F4	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4552	B	56.0000	52.7500	35E3	220k	1/20W	5%	124072211	RES, CHIP 220K (0603)	-
R4553	B	55.4000	52.7500	35E3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R4601	A	129.1000	71.9500	36E7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4602	A	128.5000	71.9500	36E7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R4611	B	120.8500	72.6000	36E3	4.7k	1/16W	0.5%	120869911	RES, METAL FILM CHIP 4.7K (1005)	-
R4612	B	120.8500	71.8000	36E3	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4631	B	122.5500	76.5500	36C4	47	1/16W	0.5%	120885511	RES, CHIP 47 (1005)	-
R4639	B	127.9000	75.5500	36C5	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4640	B	120.8500	71.0000	36D3	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4641	B	119.1500	71.0000	36C3	4.7k	1/16W	0.5%	120869911	RES, METAL FILM CHIP 4.7K (1005)	-
R4644	A	128.8500	68.3500	36C2	33k	1/20W	5%	124071311	RES, CHIP 33K (0603)	-
R4645	A	128.2500	68.3500	36C2	220k	1/20W	5%	124072211	RES, CHIP 220K (0603)	-
R4647	B	129.5000	75.5500	36C5	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4648	B	124.2500	75.7500	36D6	220k	1/16W	0.5%	120894311	RES, CHIP 220K (1005)	-
R4651	B	128.3000	70.6000	36C3	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4653	B	123.4000	70.1500	36C3	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4654	B	125.3000	70.1500	36C3	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4661	B	121.1500	76.2000	36E4	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4662	B	120.3500	76.2000	36E4	4.7k	1/16W	0.5%	120869911	RES, METAL FILM CHIP 4.7K (1005)	-
R4663	A	122.7000	76.2000	36E6	3.9k	1/16W	5%	121896011	RES, CHIP 3.9K	-
R4664	A	125.3000	76.2000	36E5	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4665	B	119.5500	76.2000	36D4	6.8k	1/16W	0.5%	120870311	RES, METAL FILM CHIP 6.8K (1005)	-
R4671	A	132.8000	67.6000	36C7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4672	A	132.8000	68.8000	36C7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R4681	B	127.5000	73.4000	36B4	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4682	B	128.8000	73.3500	36B4	220k	1/16W	0.5%	120894311	RES, CHIP 220K (1005)	-
R4695	B	127.5000	72.0000	36D3	10	1/20W	5%	124067211	RES, CHIP 10 (0603)	-
R4702	B	73.0500	78.1000	37D6	4.7	1/16W	5%	122080311	RES, CHIP 4.7	-
R4703	B	81.1000	82.6000	37D5	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4704	B	77.9000	85.3000	37D7	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470 (1005)	-
R4705	B	78.7000	85.3000	37D7	6.8k	1/16W	0.5%	120870311	RES, METAL FILM CHIP 6.8K (1005)	-
R4706	B	79.5000	85.3000	37C7	20k	1/16W	0.5%	120891811	RES, CHIP 20K (1005)	-
R4707	B	72.7500	83.8500	37C7	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R4708	B	77.1000	85.3000	37D7	20k	1/16W	0.5%	120891811	RES, CHIP 20K (1005)	-
R4710	A	101.0500	73.4000	37E6	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
R4711	A	100.1500	73.4000	37E5	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R4713	B	73.4000	74.9500	37E6	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4714	B	72.6000	74.9500	37E7	1.5k	1/16W	0.5%	120868711	RES, METAL FILM CHIP 1.5K (1005)	-
R4715	B	71.1500	82.2500	37B6	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4716	B	71.1500	81.4500	37B6	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K (1005)	-
R4719	B	71.1500	83.0500	37C6	0	1A	-	121899011	CONDUCTOR, CHIP (1005)	-
R4722	B	69.2000	77.4000	37E7	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4723	B	73.5000	76.2000	37F6	10k	1/16W	0.5%	120891111	RES, CHIP 10K (1005)	-
R4724	B	71.8000	75.7500	37F7	2.2k	1/16W	0.5%	120869111	RES, METAL FILM CHIP 2.2K (1005)	-
R4730	A	92.5500	81.9000	37C3	0.022	1/5W	1%	124545421	RES, METAL FILM 0.022 (1608)	-
R4733	B	80.2500	76.8000	37E4	33	1/20W	5%	124067811	RES, CHIP 33 (0603)	-
R4734	A	91.1500	71.6500	37D5	10	1/16W	0.5%	120863511	RES, METAL FILM CHIP 10 (1005)	-
R4740	A	99.9500	76.1000	37F6	0.012	1/2W	1%	124601211	RES, METAL PLATE 0.012 (3216)	-
R4741	B	101.8500	77.0500	37E5	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4742	B	101.8500	76.4500	37E5	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4750	A	116.7000	72.7000	37E1	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4751	B	106.1500	69.7000	37E3	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R4752	B	104.5000	71.6000	37E2	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R4762	B	101.5000	75.7500	37C2	1.2k	1/16W	0.5%	121884911	RES, CHIP 1.2K (1608)	-
R4770	B	96.5000	76.4000	37B3	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4771	B	96.5000	77.0000	37B3	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4772	B	96.5000	77.6000	37B3	100	1/20W	5%	124068311	RES, CHIP 100 (0603)	-
R4773	A	100.6000	79.1000	37B3	1.0k	1/20W	5%	124069511	RES, CHIP 1K (0603)	-
R4781	B	82.2500	82.4000	37D7	33k	1/16W	0.5%	120892311	RES, CHIP 33K (1005)	-
R4782	B	82.2500	83.2000	37D7	3.9k	1/16W	0.5%	120869711	RES, METAL FILM CHIP 3.9K (1005)	-
R4783	B	81.8500	85.2500	37D7	20k	1/16W	0.5%	120891811	RES, CHIP 20K (1005)	-
R4784	B	81.0500	86.0000	37C7	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K (1005)	-
R4785	B	82.8500	84.9000	37D7	47k	1/20W	5%	124071411	RES, CHIP 47K (0603)	-
R4786	B	82.2500	84.0000	37D7	4.7k	1/16W	0.5%	120869911	RES, METAL FILM CHIP 4.7K (1005)	-
R4791	B	75.4500	85.0000	37C7	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R4792	B	75.7500	85.8500	37C8	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4801	B	24.5500	84.7500	38E4	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K (1005)	-
R4802	B	24.5500	83.0500	38E4	8.2k	1/16W	5%	121896411	RES, CHIP 8.2K	-
R4806	B	33.9500	84.9500	38E2	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K (1005)	-
R4807	B	34.8500	84.9500	38E2	8.2k	1/16W	5%	121896411	RES, CHIP 8.2K	-
R4809	B	73.0000	85.2500	38C7	68k	1/16W	0.5%	120893111	RES, CHIP 68K (1005)	-
R4810	B	72.2000	85.2500	38C7	12k	1/16W	0.5%	120870911	RES, METAL FILM CHIP 12K (1005)	-
R4811	B	71.4000	85.2500	38C7	2.2k	1/16W	0.5%	120869111	RES, METAL FILM CHIP 2.2K (1005)	-
R4816	B	11.3500	81.0500	38B7	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4817	B	10.6500	81.0500	38B6	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4818	B	11.3500	79.8500	38A6	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4819	B	22.5500	84.7500	38E5	4.7	1/16W	5%	122080311	RES, CHIP 4.7	-
R4821	B	18.9500	78.8000	38D3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4822	B	23.7500	78.2500	38D3	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R4823	B	24.0000	79.2500	38D3	220k	1/20W	5%	124072211	RES, CHIP 220K (0603)	-
R4841	A	16.3500	71.9500	38E5	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4854	B	18.4000	82.0500	38D5	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R4871	B	22.7000	79.7000	38B4	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K (1005)	-
R4872	B	22.5000	78.9000	38B4	4.7k	1/20W	5%	124070311	RES, CHIP 4.7K (0603)	-
R4873	B	18.9500	79.4000	38B4	33k	1/20W	5%	124071311	RES, CHIP 33K (0603)	-
R4886	B	18.7500	80.7500	38C4	100k	1/16W	0.5%	120893511	RES, CHIP 100K (1005)	-
R4901	B	76.6500	44.7500	39E7	1.0k	1/16W	0.5%	120868311	RES, METAL FILM CHIP 1.0K (1005)	-
R4902	B	83.5500	46.4500	39D6	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-

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Text Stamp

*NOTE: □□ □□
Location
Schematic Diagram Sheet Number

DNI=Do Not Install ALT=Alternative VAR=Variable NS=Not Supplied

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
R4903	B	83.5500	47.0500	39D6	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4910	B	82.0000	29.0000	39E4	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4911	B	82.0000	28.2000	39E4	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4912	B	77.9000	34.7500	39E4	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4913	B	77.9000	33.9500	39E4	47k	1/16W	0.5%	120892711	RES, CHIP 47K (1005)	-
R4914	B	77.9000	33.1500	39E3	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4915	B	77.9000	32.3500	39E3	20k	1/16W	0.5%	120891811	RES, CHIP 20K (1005)	-
R4916	B	75.6000	35.3500	39E3	27k	1/16W	0.5%	121897011	RES, CHIP 27K	-
R4917	B	74.8000	35.3500	39E3	18k	1/16W	5%	121896811	RES, CHIP 18K	-
R4922	B	76.3500	45.8500	39E7	2.2k	1/20W	5%	124069911	RES, CHIP 2.2K (0603)	-
R4955	B	87.9500	35.5500	39B3	470k	1/20W	5%	124072611	RES, CHIP 470K (0603)	-
R4956	B	81.2500	36.6000	39C3	10k	1/20W	5%	124070711	RES, CHIP 10K (0603)	-
R4958	B	86.7500	35.3000	39B3	100k	1/20W	5%	124071811	RES, CHIP 100K (0603)	-
R4970	A	126.1000	78.2500	39A7	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470(1005)	-
R4971	A	125.3000	78.2500	39B6	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470(1005)	-
R4972	B	124.4000	78.0000	39B5	22k	1/16W	0.5%	120871511	RES, METAL FILM CHIP 22K(1005)	-
R4973	A	124.5000	78.2500	39B6	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470(1005)	-
R4974	A	121.8500	80.9500	39C7	15k	1/16W	0.5%	120871111	RES, METAL FILM CHIP 15K(1005)	-
R4975	A	122.7500	80.9500	39C6	470	1/16W	0.5%	120867511	RES, METAL FILM CHIP 470(1005)	-
R4976	A	123.5000	78.7000	39B6	150	1/20W	5%	124068511	RES, CHIP 150 (0603)	-
R5001	A	2.7000	60.4500	40C6	150	1/20W	5%	124068511	RES, CHIP 150 (0603)	-
R5002	A	1.7500	45.6500	40C5	56	1/16W	5%	121893811	RES, CHIP 56	DNI
R5003	A	2.7500	45.6500	40B5	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	DNI
R5004	A	2.7500	50.2500	40B5	27	1/16W	0.5%	122088011	RES, CHIP 27 (1005)	-
R5006	A	2.7500	53.5500	40B4	22	1/16W	0.5%	120864311	RES, METAL FILM CHIP 22 (1005)	DNI
R5007	A	2.7500	51.9000	40C4	56	1/16W	0.5%	121893811	RES, CHIP 56	-
R5008	A	2.7500	47.9500	40C4	39	1/16W	0.5%	122088411	RES, CHIP 39 (1005)	-
R5009	A	2.3500	61.3500	40C4	150	1/16W	5%	121894311	RES, CHIP 150	DNI
RB240	B	45.9000	56.3500	8E3	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB241	B	38.4000	52.0500	8D3	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB242	B	40.4000	43.5000	8D3	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB243	B	47.6000	42.6500	8C3	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB244	B	50.9000	48.6000	8C3	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB1120	B	117.0000	41.8000	14F7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1121	B	117.0000	39.8000	14E7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1122	B	117.0000	37.8000	14E7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1123	B	127.9000	42.5500	14E7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1124	B	127.9000	40.5500	14E7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1125	B	127.9000	38.5500	14D7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1126	B	127.9000	36.5500	14D7	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1130	B	90.8500	45.0500	14F6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1131	B	90.8500	42.3500	14E6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1132	B	90.8500	40.3000	14E6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1133	B	90.8500	37.7000	14E6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1134	B	90.8500	35.6500	14E6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1135	B	89.2500	35.4000	14D6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1136	B	90.5500	28.5000	14D6	56	1/32W	5%	124597911	RES, NETWORK 56 (0603X4)	-
RB1150	B	103.2500	69.0000	14C8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1151	B	103.2500	65.0000	14C8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1152	B	103.2500	63.0000	14C8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1153	B	103.2500	59.0000	14B8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1154	B	103.2500	54.6500	14B8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1155	B	103.2500	50.6500	14B8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1156	B	103.2500	48.6500	14A8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1157	B	103.2500	44.6500	14A8	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1158	B	103.2500	32.7000	14C6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1159	B	103.2500	28.7000	14C6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1160	B	103.2500	26.7000	14C6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1161	B	103.2500	22.7000	14B6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1162	B	103.2500	20.3500	14B6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1163	B	103.2500	16.3500	14B6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-

Ref.No.	A/B	X-cordinate Value	Y-cordinate Value	Schamatics Diagram Address	Value	Rating	Tol.	Part No.	Description	Notes
RB1164	B	103.2500	14.3500	14A6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1165	B	103.2500	10.3500	14A6	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1166	B	103.2500	67.0000	14C5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1167	B	103.2500	61.0000	14C5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1168	B	103.2500	52.6500	14C5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1169	B	103.2500	46.6500	14B5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1170	B	103.2500	30.7000	14B5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1171	B	103.2500	24.7000	14B5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1172	B	103.2500	18.3500	14A5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1173	B	103.2500	12.3500	14A5	22	1/32W	5%	124597811	RES, NETWORK 22 (0603X4)	-
RB1401	B	72.8000	31.7500	16C5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1402	B	74.2000	29.8000	16C5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1403	B	72.5000	33.6000	16B5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1404	B	70.6500	30.3000	16B5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1405	B	76.2000	30.0500	16C5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1406	A	43.6000	21.6500	16C5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1407	B	67.2500	30.7000	16B5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1408	B	62.8500	4.4000	16C3	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1409	B	66.6500	33.7000	16C3	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1410	B	69.6000	33.2500	16C3	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1510	B	55.3000	33.6000	17C6	100k	1/32W	5%	123438121	RES, NETWORK 100K (1005X4)	-
RB1520	B	62.7500	31.2000	17F5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1521	B	51.4000	31.3500	17E4	22	1/32W	5%	123437021	RES, NETWORK 22 (1005X4)	-
RB1522	B	63.8000	34.0500	17E4	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB1523	B	60.4500	31.0500	17E4	47	1/32W	5%	123437121	RES, NETWORK 47 (1005X4)	-
RB1524	B	60.4500	34.0500	17E4	33	1/32W	5%	124296321	RES, NETWORK 33 (1005X4)	-
RB1560	B	62.8500	1.7000	17D2	100k	1/32W	5%	123438121	RES, NETWORK 100K (1005X4)	-
RB1561	B	57.5000	31.0000	17D1	100k	1/32W	5%	123438121	RES, NETWORK 100K (1005X4)	-
RB1910	B	30.8000	68.0500	22E6	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1911	B	45.9500	59.8000	22E4	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1912	B	43.3500	59.8000	22E4	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1913	B	52.3500	77.7000	22E3	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1914	B	32.6000	60.4500	22E3	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1930	B	46.9000	82.9000	22A1	100k	1/32W	5%	123438121	RES, NETWORK 100K (1005X4)	-
RB1940	B	30.5000	72.7000	22C5	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1941	B	36.7500	82.0000	22C6	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB1950	B	52.3000	71.7000	22B4	100k	1/32W	5%	123438121	RES, NETWORK 100K (1005X4)	-
RB2400	A	64.8000	83.9500	26E7	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB2401	A	70.5000	74.2000	26E6	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
RB2960	A	110.6500	8.7500	29D4	10k	1/32W	5%	124609911	RES, NETWORK 10K (0603X4)	-
TH111	B	29.0500	52.5500	7B3	30mA	-	-	180447121	THERMISTOR,POSITIVE	-
TH3850	B	23.0000	82.3500	38D4	-	-	-	180426721	THERMISTOR,POSITIVE(SMD)	-
TH3950	A	28.9500	73.1000	30E3	-	-	-	180201411	THERMISTOR,POSITIVE	-
X220	B	53.1000	56.1500	8E7	14.318180	-	-	179595821	VIBRATOR,CRYSTAL	-
X1300	B	77.5500	73.0000	19C6	24.576MHz	-	-	178169221	VIBRATOR,CRYSTAL	-
X1500	B	52.0500	38.5500	17C5	32.768KHz	-	20ppm	181384311	VIBRATOR,CRYSTAL(32.768KHZ)	-
X1900	B	29.7500	80.8000	22C3	10.0MHz	-	-	181366211	VIBRATOR,CRYSTAL(10MHZ)	-

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SONY PROPRIETARY INFORMATION

SONY CONFIDENTIAL

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

VGN-TX36C/TX36GP/TX36SP/TX37CP/TX37GP/TX37LP/TX37SP/TX37TP/TX38CP/TX3HP/TX3XP/TX3XRP/TX52B/TX72B/TX72PZ/TX850FP/TX850P/TX92PS*/TX92S*

SCHEMATICS

MAIN SYSTEM BOARD

MBX-153

REV. 1.203

TABLE OF CONTENTS

BLOCK		PAGE		REF. NO.	DESCRIPTIONS
TITLE		1		-	INDEX (THIS PAGE)
○ 1	BLOCK	2		-	BLOCK DIAGRAM
		3		-	POWER SUPPLY DIAGRAM
○ 3	CPU	6	(CPU-1)	0 - 99	CPU (1/2)
		7	(CPU-2)	100 - 199	CPU (2/2)
○ 4	CLKGEN	8	(CLKGEN-1)	200 - 299	CLOCK GENERATOR
○ 5	GMCH	9	(GMCH-1)	300 -	GMCH (1/5)
		10	(GMCH-2)	- 399	GMCH (2/5)
		11	(GMCH-3)	400 -	GMCH (3/5)
		12	(GMCH-4)	- 499	GMCH (4/5)
		13	(GMCH-5)	500 - 599	GMCH (5/5)
			(ICH-2)		
○ 6	MEMORY	14	(MEMORY-1)	1100 -	DDR2 MEMORY (1/2)
		15	(MEMORY-2)	- 1299	DDR2 MEMORY (2/2)
○ 7	ICH	16	(ICH-1)	1400 - 1499	ICH7-M (1/3)
		17		1500 - 1599	ICH7-M (2/3)
		18	(ICH-3)	1600 - 1699	ICH7-M (3/3)
○ 8	COMBO	19	(COMBO-1)	1300 - 1399	i.LINK
		20	(COMBO-2)	1700 - 1799	PC CARD
		21	(COMBO-3)	1800 - 1899	MEMORY STICK & SD
○ 9	LPC	22	(LPC-1)	1900 - 1999	EC(H8)
○ 10	CN	23	(CN-1)	2100 - 2199	LCD BACKLIGHT CTRL
		24	(CN-2)	2200 - 2299	IDE (HDD & OPT DRIVE)
		25	(CN-3)	2300 - 2399	SUB BOARD CN1
		26	(CN-4)	2400 - 2499	SUB BOARD CN2
		27	(CN-5)	2500 - 2599	MINI CARD & WWAN
		28	(CN-6)	2600 - 2699	DOCK CN
		29	(CN-7)	2900 - 2999	AUDIO & TP IF CN & LCD CN
○ 11	POWER	30	(POWER-1)	3900 - 3999	+VCPUCORE
		31	(POWER-2)	4100 - 4199	+VCCP / +1.5VRUN / +1.05VRUN
		32	(POWER-3)	4200 - 4299	+1.8VSUS / +VTTDDR / +2.5VRUN
		33	(POWER-4)	4300 - 4399	+3VALW / +5VALW
		34	(POWER-5)	4400 - 4499	LOAD_SW
		35	(POWER-6)	4500 - 4599	SUS_ON / VR_ON / PWRGD
		36	(POWER-7)	4600 - 4699	+VPWRSRC
		37	(POWER-8)	4700 - 4799	BATTERY CHARGER
		38	(POWER-9)	4800 - 4899	+VDC_IN
		39	(POWER-10)	4900 - 4999	UL CIRCUIT
○ 12	DEBUG	40	(DEBUG)	5000 - 5099	DEBUG / POWER CHECK / ITP
○ 13	VARIANCE	41	(VARIANCE-1)	-	VARIANCE

MOUNTED PWB MBX-153(COMM) : A-1193-245-A
MOUNTED PWB MBX-153(U14_512) : A-1193-246-A
MOUNTED PWB MBX-153(U13_512) : A-1193-248-A
MOUNTED PWB MBX-153(C423_512) : A-1193-250-A

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DRAWING: MBX-153 INDEX

LAST_MODIFIED=Tue May 30 11:37:09 2006

172763412 ZS-268	QTY 1/1	REV. 1.203	PART NO. 187081212

SIZE C | DESIGNER - - | SHEET 1 OF 41

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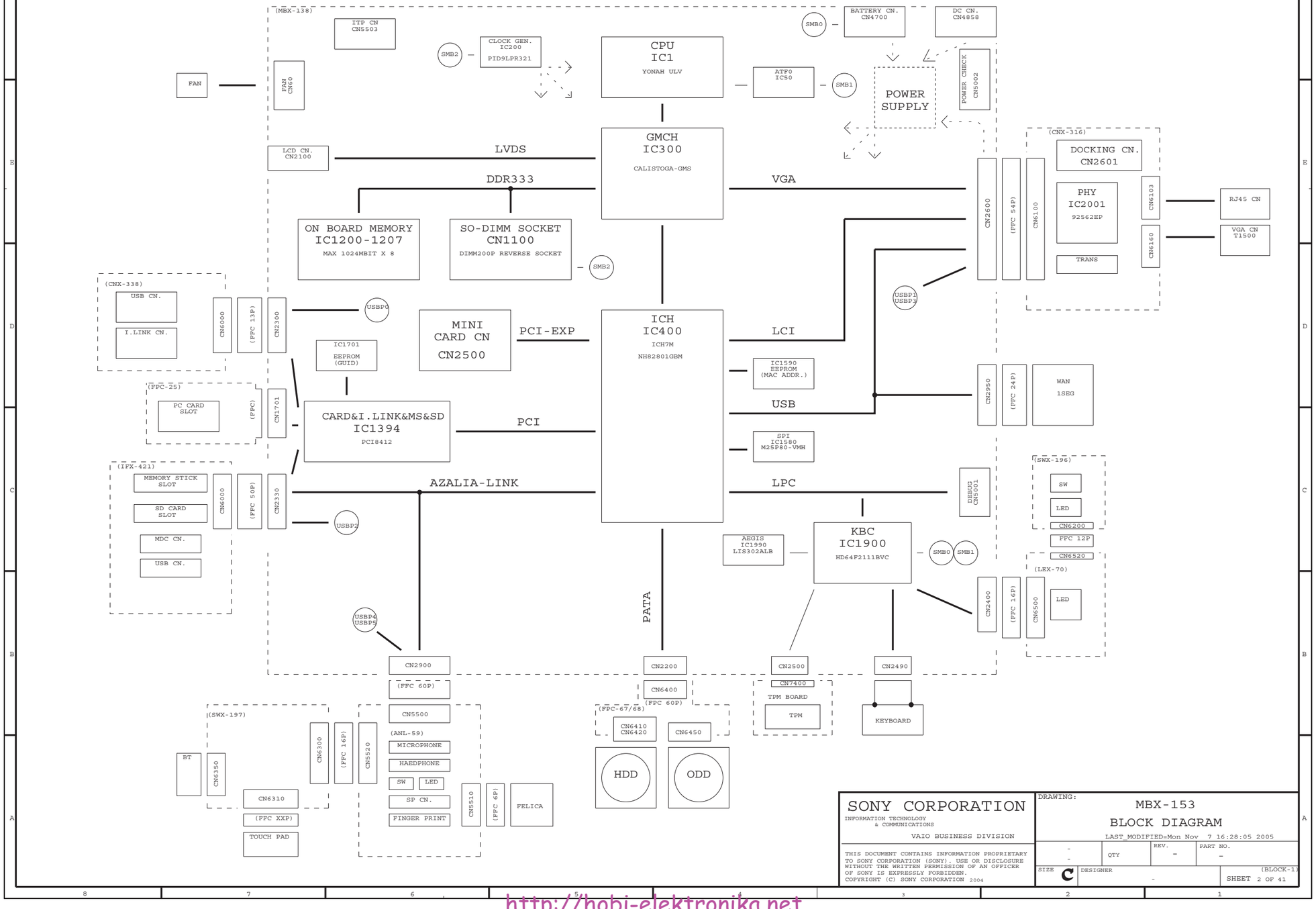

SONY CORPORATION	DRAWING: MBX-153 BLOCK DIAGRAM		
INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	LAST_MODIFIED=Mon Nov 7 16:28:05 2005		
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	SIZE C	DESIGNER -	(BLOCK-1) SHEET 2 OF 41

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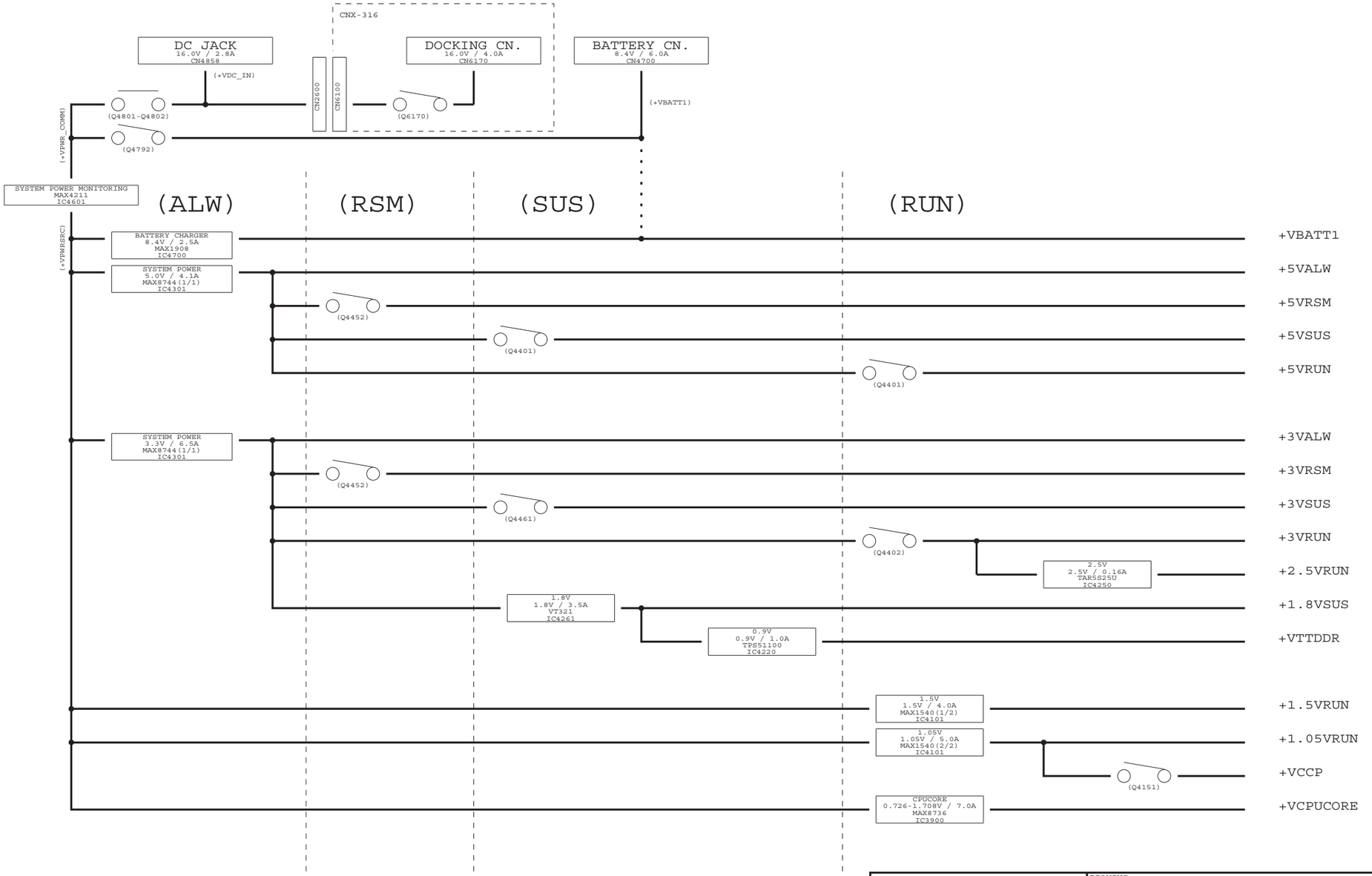

SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 POWER SUPPLY DIAGRAM LAST_MODIFIED=Fri Nov 18 11:04:50 2005		
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SIZE C	DESIGNER -	(BLOCK-2)	SHEET 3 OF 41

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ZONE	LTR	DESCRIPTION	DATE	APPR.

(CPU THERMAL SENSOR)

(FAN CONTROL)

(SIDE TYPE)

(ON BOARD CONTACT)

(REF: 0- 100)

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VAIO BUSINESS DIVISION

DRAWING: MBX-153 CPU (1/2)
LAST_MODIFIED=Tue May 30 17:20:26 2006
REV. 0.100 PART NO. -
QTY 1
SIZE C DESIGNER - - (CPU-1) SHEET 6 OF 41

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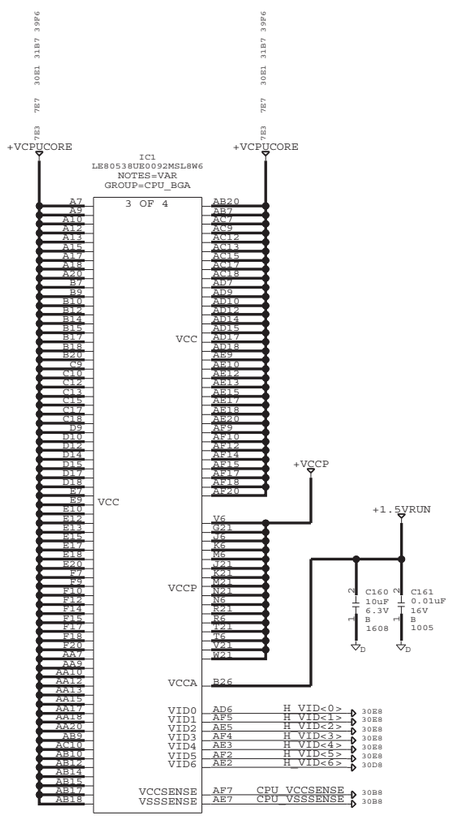

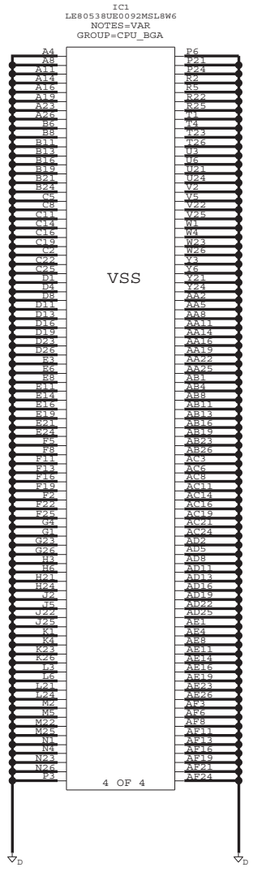

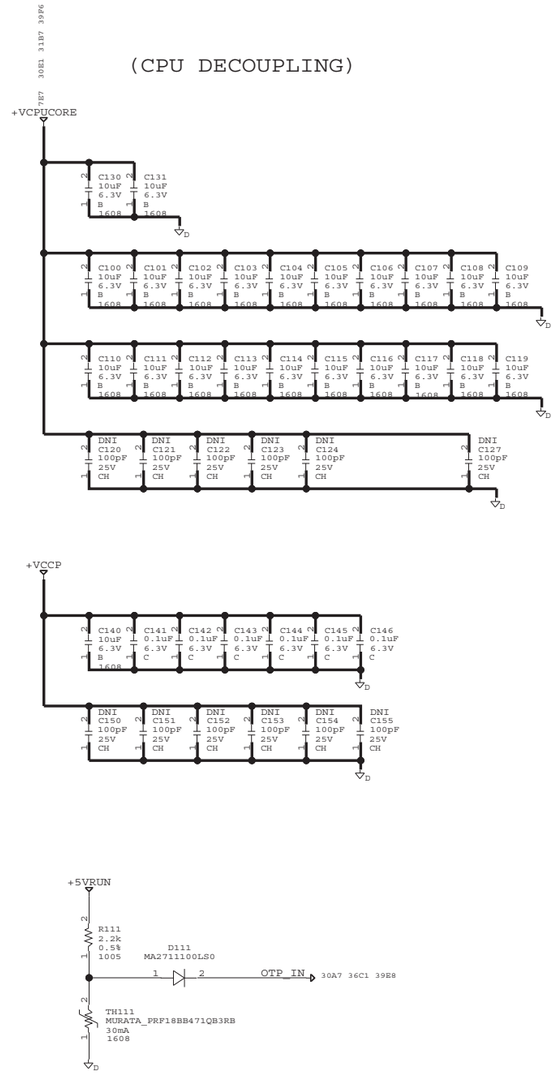

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SIZE C	DESIGNER -		(CPU-2) SHEET 7 OF 41

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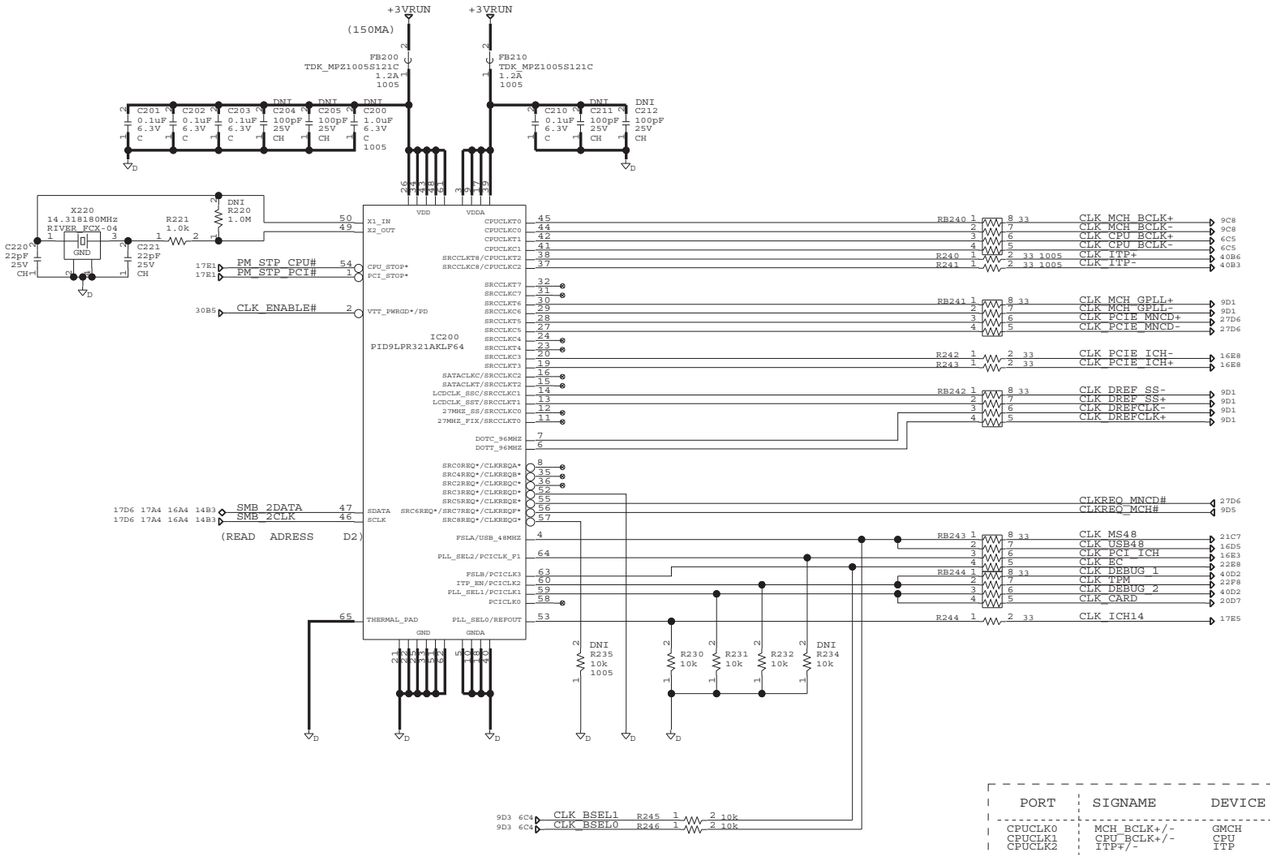

	R232	R240	R241
NORMAL MODE	M'T	DNI	DNI
ITP MODE	DNI	M'T	M'T

BSEL1 FSB 63PIN	BSEL0 FSA 4PIN	CPUCLK
0	0	100M
0	1	133M
1	0	200M
1	1	166M

PORT	SIGNAME	DEVICE
CPUCLK0	MCH_BCLK+/-	GMCH
CPUCLK1	CPU_BCLK+/-	CPU
CPUCLK2	ITP+/-	ITP
DOT_96MHZ	DREFCLK+/-	GMCH
LCDCLK	DREF_SS+/-	GMCH
SRCCLK3	PCIE_ICH+/-	ICH
SRCCLK5	PCIE_MNCD+/-	MINI-CARD
SRCCLK6	MCH_GPLL+/-	GMCH
USB_48MHZ	USB48	ICH
USB_48MHZ	MS48	MEMORY STICK
PCICLK_F0	CLK_PCI_ICH	ICH
PCICLK1	CLK_CARD	CARD
PCICLK1	CLK_DEBUG_2	DEBUG
PCICLK2	CLK_TPM	TPM
PCICLK2	CLK_DEBUG_1	DEBUG
PCICLK3	CLK_EC	EC
REFOUT	ICH14	ICH

(REF: 200- 299)

SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 CLOCK GENERATOR LAST_MODIFIED=Tue May 30 17:20:29 2006		
	- / -	QTY 1	REV. 0.100
	PART NO. -		
SIZE C	DESIGNER - / -		(CLKGEN-1) SHEET 8 OF 41

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ZONE	LTR	DESCRIPTION	DATE	APPR.

IC300
INTEL-CALISTOGA-GMS
GROUP=GMCH-M

HOST

1 OF 8

2 OF 8

RSVD
DDR_MUXING
CL
DMI
PM
MISC
CFG

STRAPPING OPTIONS

SIGNAME	DISCRIPTION	CONFIGURATION
CFG[2:0]	FSB FREQUENCY	001 = FSB533 # 011 = FSB667
CFG3	RESERVED	
CFG5	DMI SELECT	0 = DMI X2 # 1 = DMI X4 *
CFG6	RESERVED	
CFG19	DMI REVERSAL	0 = NORMAL * 1 = REVERSE

* :DEFAULT # :IRX-3600 SETTING

(REF: 300-)

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DRAWING: MBX-153
GMCH (1/5)
LAST_MODIFIED=Tue May 30 17:20:30 2006

QTY	REV.	PART NO.
1	0.100	-

SIZE C | DESIGNER - - | (GMCH-1) SHEET 9 OF 41

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Location
Schematic Diagram Sheet Number
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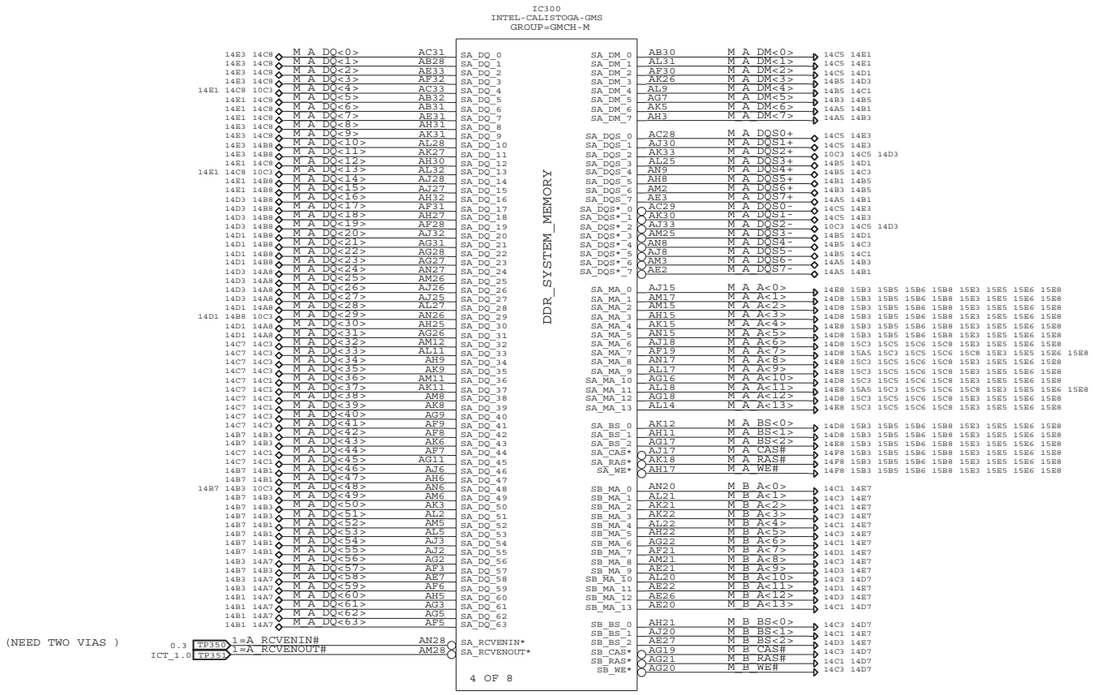
ZONE	LTR	DESCRIPTION	DATE	APPR.



(REF: - 399)

SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 GMCH (2/5) LAST_MODIFIED=Tue May 30 17:20:31 2006		
	- / -	QTY 1	REV. 0.100 / PART NO. -
SIZE C	DESIGNER - / -		(GMCH-2) SHEET 10 OF 41

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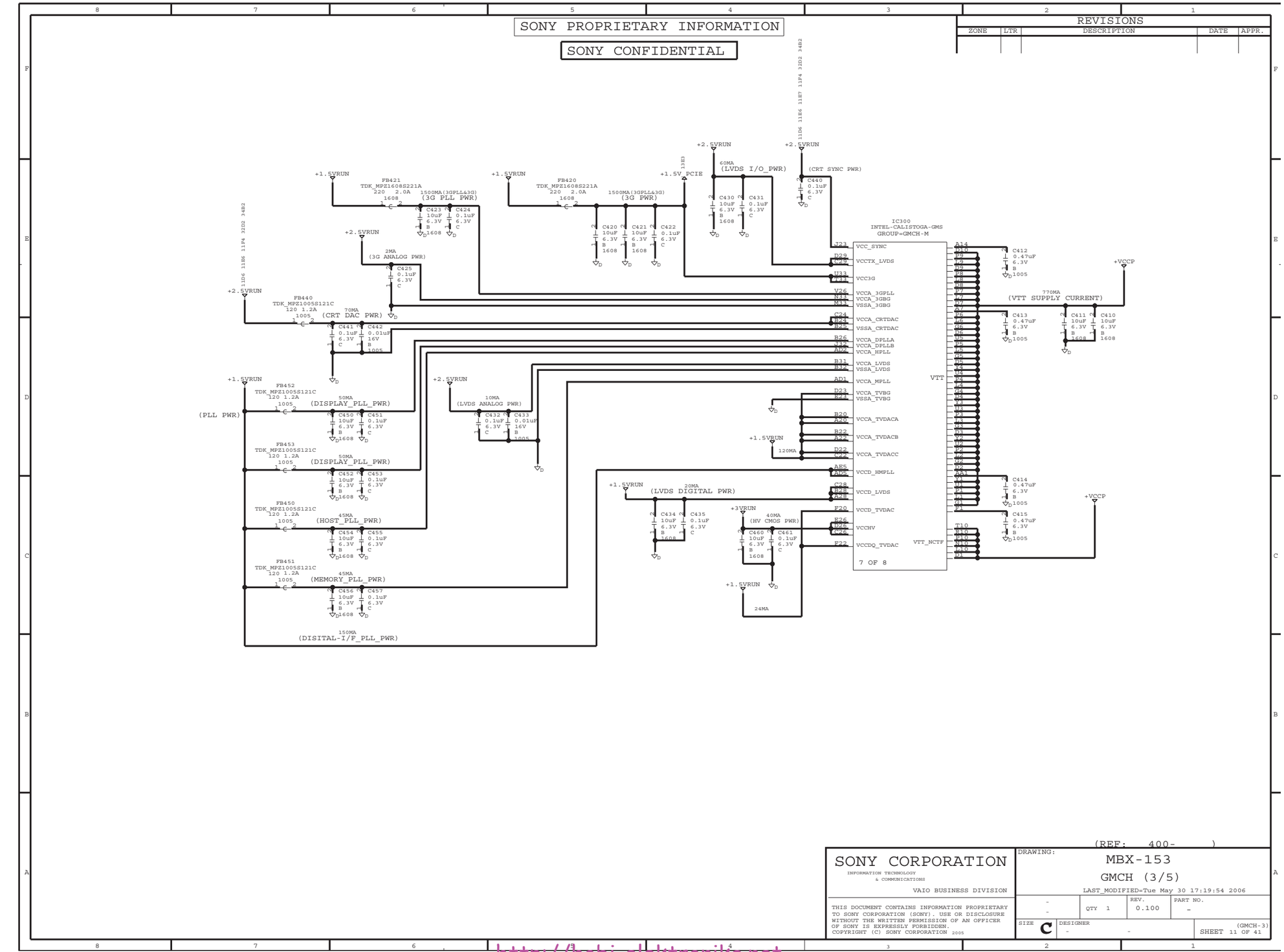

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SIZE C	DESIGNER -		(GMCH-3) SHEET 11 OF 41

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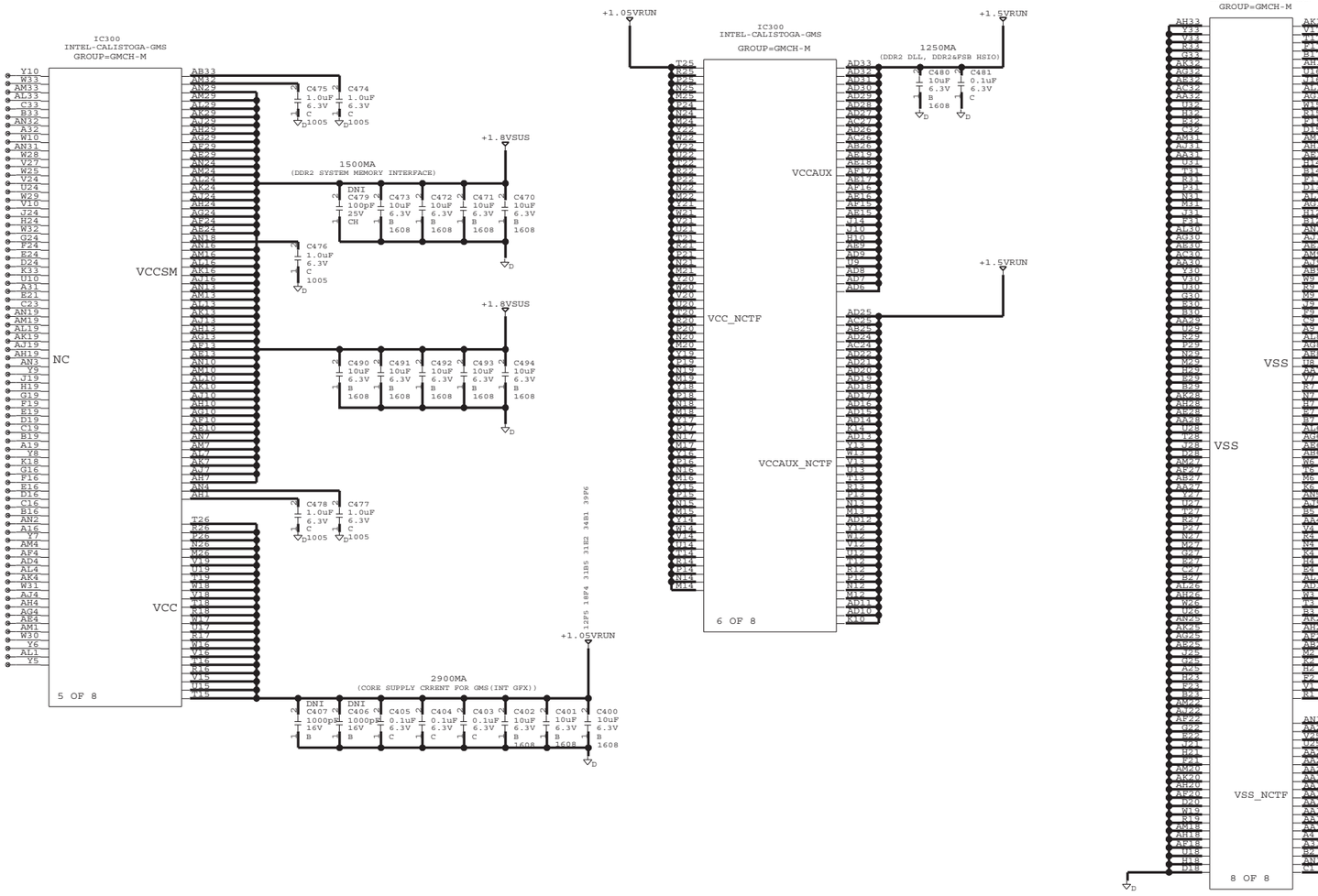
ZONE	LTR	DESCRIPTION	DATE	APPR.



(REF: - 499)

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SIZE C	DESIGNER - -	(GMCH-4) SHEET 12 OF 41

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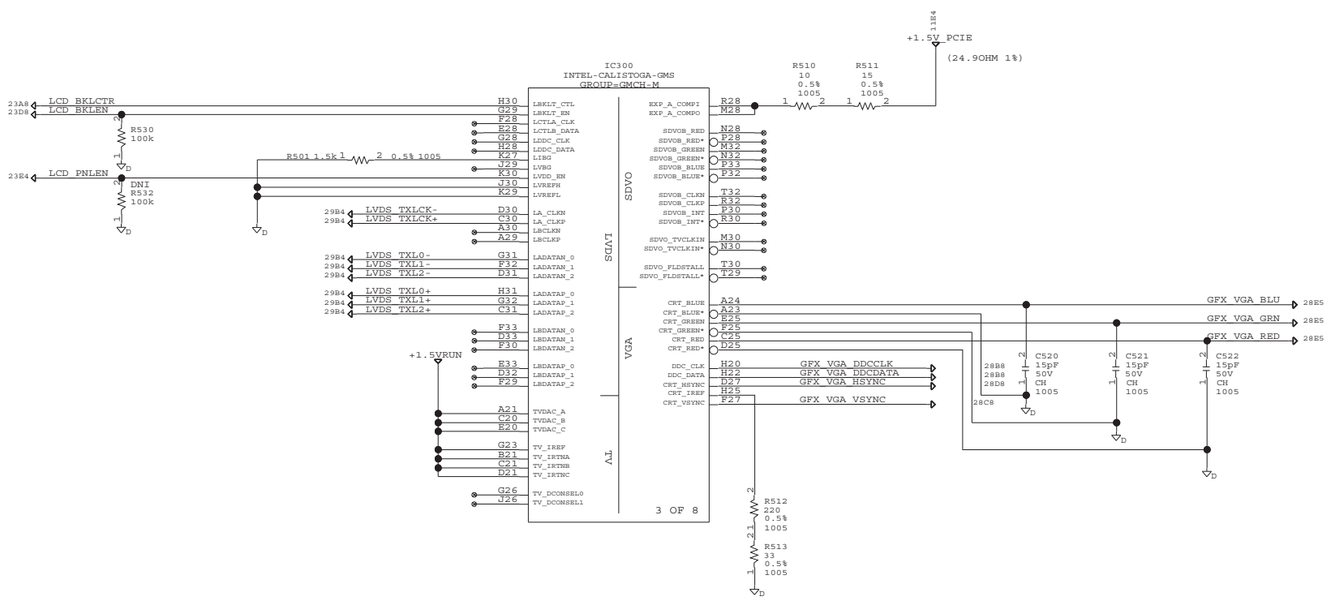
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.



(REF: 500- 599)

SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 GMCH (5/5) LAST_MODIFIED=Tue May 30 17:19:56 2006		
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	SIZE C	DESIGNER -	(GMCH-5) SHEET 13 OF 41

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

+VTTDDR

RB1120 RB1121 RB1122 RB1123 RB1124 RB1125 RB1126

M_A_CAS# M_A_RAS# M_A_WE# M_ODT1 M_CS#0 M_CS#1 M_CKE1 M_ODT0 M_CKE0 M_A_BS<2> M_A_A<13> M_A_A<11> M_A_A<8> M_A_A<0> M_A_A<9> M_A_A<4> M_A_A<6> M_A_A<2> M_A_BS<1> M_A_BS<0> M_A_A<1> M_A_A<5> M_A_A<10> M_A_A<3> M_A_A<7> M_A_A<12>

RB1130 RB1131 RB1132 RB1133 RB1134 RB1135 RB1136

M_CKE2 M_CKE3 M_B_BS<2> M_B_A<11> M_B_A<12> M_B_A<7> M_B_A<9> M_B_A<6> M_B_A<4> M_B_A<8> M_B_A<2> M_B_A<3> M_B_A<0> M_B_BS<0> M_B_A<1> M_B_A<5> M_B_CAS# M_B_WE# M_CS#2 M_ODT2 M_CS#3 M_ODT3

+VTTDDR

C1120 C1121 C1122 C1123 C1124 C1125 C1126 C1130 C1131 C1132 C1133 C1134 C1135 C1136 0.1uF 6.3V C

+3VRUN

C1180 1.0uF 6.3V C 1005

IC1180 TMP101 MEMORY AREA THERMAL SENSOR

THRM_MEMORY# 22D1
SMB_1CLK 6E6 22C1
SMB_1DATA 6E6 22C1

+1.8VSUS

(DIMM1(ROW 2,3) CHANNEL-A REVERSE TYPE) (H=5.2MM)

C1110 10uF 6.3V B
C1111 10uF 6.3V B
C1112 0.1uF 6.3V C
C1113 0.1uF 6.3V C
C1114 0.1uF 6.3V C
C1115 0.1uF 6.3V C

+VSWREF

C1100 1.0uF 10V B 1608
C1101 0.1uF 6.3V C

CN1100 AMP_1376409-4 DIMM200P_REVERSE

		VREF	1	2	VSS
		VSS	3	4	DQ4
		DQ0	5	6	DQ5
		DQ1	7	8	VSS
		VSS	9	10	DM0
		DQS0*	11	12	VSS
		DQS0	13	14	DQ6
		VSS	15	16	DQ7
		DQ2	17	18	VSS
		DQ3	19	20	DQ12
		VSS	21	22	DQ13
		DQ8	23	24	VSS
		DQ9	25	26	DM1
		VSS	27	28	VSS
		DQS1*	29	30	CK0
		DQS1	31	32	CK0*
		VSS	33	34	VSS
		DQ10	35	36	DQ14
		DQ11	37	38	DQ15
		VSS	39	40	VSS
			41		
		VSS	41	42	VSS
		DQ16	43	44	DQ20
		DQ17	45	46	DQ21
		VSS	47	48	VSS
		DQS2*	49	50	NC
		DQS2	51	52	DM2
		VSS	53	54	VSS
		DQ18	55	56	DQ22
		DQ19	57	58	DQ23
		VSS	59	60	VSS
		DQ24	61	62	DQ28
		DQ25	63	64	DQ29
		VSS	65	66	VSS
		DM3	67	68	DQS3*
		NC	69	70	DQS3
		VSS	71	72	VSS
		DQ26	73	74	DQ30
		DQ27	75	76	DQ31
		VSS	77	78	VSS
		CKE0	79	80	CKE1
		VDD	81	82	VDD
		NC	83	84	A15
		BA2	85	86	A14
		VDD	87	88	VDD
		A12	89	90	A11
		A9	91	92	A7
		A8	93	94	A6
		VDD	95	96	VDD
		A5	97	98	A4
		A3	99	100	A2
		A1	101	102	A0
		VDD	103	104	VDD
		A10/AP	105	106	BA1
		BA0	107	108	RAS*
		WE*	109	110	CS0*
		VDD	111	112	VDD
		CAS*	113	114	ODT0
		CS1*	115	116	A13
		VDD	117	118	VDD
		ODT1	119	120	NC
		VSS	121	122	VSS
		DQ32	123	124	DQ36
		DQ33	125	126	DQ37
		VSS	127	128	VSS
		DQS4*	129	130	DM4
		DQS4	131	132	VSS
		VSS	133	134	DQ38
		DQ34	135	136	DQ39
		DQ35	137	138	VSS
		VSS	139	140	DQ44
		DQ40	141	142	DQ45
		DQ41	143	144	VSS
		VSS	145	146	DQS5*
		DM5	147	148	DQS5
		VSS	149	150	VSS
		DQ42	151	152	DQ46
		DQ43	153	154	DQ47
		VSS	155	156	VSS
		DQ48	157	158	DQ52
		DQ49	159	160	DQ53
		VSS	161	162	VSS
		NC	163	164	CK1
		VSS	165	166	CK1*
		DQS6*	167	168	VSS
		DQS6	169	170	DM6
		VSS	171	172	VSS
		DQ50	173	174	DQ54
		DQ51	175	176	DQ55
		VSS	177	178	VSS
		DQ56	179	180	DQ60
		DQ57	181	182	DQ61
		VSS	183	184	VSS
		DM7	185	186	DQS7*
		VSS	187	188	DQS7
		DQS8	189	190	VSS
		DQ58	191	192	DQ62
		VSS	193	194	DQ63
		SDA	195	196	VSS
		SCL	197	198	SA0
		VDDSPD	199	200	SA1

M_A_DQ<0> M_A_DQ<1> M_A_DQS0- M_A_DQS0+ M_A_DQ<2> M_A_DQ<3> M_A_DQ<8> M_A_DQ<9> M_A_DQS1- M_A_DQS1+ M_A_DQ<10> M_A_DQ<11> M_A_DQ<16> M_A_DQ<17> M_A_DQS2- M_A_DQS2+ M_A_DQ<18> M_A_DQ<19> M_A_DQ<24> M_A_DQ<25> M_A_DM<3> M_A_DQ<26> M_A_DQ<27> M_CKE3 M_B_BS<2> M_B_A<12> M_B_A<9> M_B_A<8> M_B_A<5> M_B_A<3> M_B_A<1> M_B_A<10> M_B_BS<0> M_B_WE# M_B_CAS# M_CS#3 M_ODT3 M_A_DQ<32> M_A_DQ<33> M_A_DQS4- M_A_DQS4+ M_A_DQ<34> M_A_DQ<35> M_A_DQ<40> M_A_DQ<41> M_A_DM<5> M_A_DQ<42> M_A_DQ<43> M_A_DQ<48> M_A_DQ<49> M_A_DQS6- M_A_DQS6+ M_A_DQ<50> M_A_DQ<51> M_A_DQ<56> M_A_DQ<57> M_A_DM<7> M_A_DQ<58> M_A_DQ<59> SMB_2DATA SMB_2CLK

M_A_DQ<4> M_A_DQ<5> M_A_DM<0> M_A_DQ<6> M_A_DQ<7> M_A_DQ<12> M_A_DQ<13> M_A_DM<1> M_CLK3+ M_CLK3- M_A_DQ<14> M_A_DQ<15> M_A_DQ<20> M_A_DQ<21> PM_EXTTS#0 M_A_DM<2> M_A_DQ<22> M_A_DQ<23> M_A_DQ<28> M_A_DQ<29> M_A_DQS3- M_A_DQS3+ M_A_DQ<30> M_A_DQ<31> M_CKE3 M_A_B<11> M_B_A<7> M_B_A<6> M_A_B<4> M_B_A<2> M_B_A<0> M_B_BS<1> M_B_RAS# M_CS#2 M_ODT2 M_A_B<13> M_A_DQ<36> M_A_DQ<37> M_A_DM<4> M_A_DQ<38> M_A_DQ<39> M_A_DQ<44> M_A_DQ<45> M_A_DQS5- M_A_DQS5+ M_A_DQ<46> M_A_DQ<47> M_A_DQ<52> M_A_DQ<53> M_CLK2+ M_CLK2- M_A_DM<6> M_A_DQ<54> M_A_DQ<55> M_A_DQ<60> M_A_DQ<61> M_A_DQS7- M_A_DQS7+ M_A_DQ<62> M_A_DQ<63> +3VRUN

C1102 0.1uF 6.3V C

SMBUS ADDRESS:A2

RB1150 RB1151 RB1152 RB1153 RB1154 RB1155 RB1156 RB1157

M_A_DQ<1> M_A_DQ<5> M_A_DQ<4> M_A_DQ<0> M_A_DQ<3> M_A_DQ<7> M_A_DQ<2> M_A_DQ<6> M_A_DQ<9> M_A_DQ<13> M_A_DQ<8> M_A_DQ<12> M_A_DQ<11> M_A_DQ<15> M_A_DQ<10> M_A_DQ<14> M_A_DQ<21> M_A_DQ<20> M_A_DQ<17> M_A_DQ<16> M_A_DQ<23> M_A_DQ<19> M_A_DQ<22> M_A_DQ<18> M_A_DQ<29> M_A_DQ<25> M_A_DQ<28> M_A_DQ<24> M_A_DQ<31> M_A_DQ<30> M_A_DQ<27> M_A_DQ<26>

RB1158 RB1159 RB1160 RB1161 RB1162 RB1163 RB1164 RB1165

M_A_DQ<33> M_A_DQ<37> M_A_DQ<32> M_A_DQ<36> M_A_DQ<35> M_A_DQ<34> M_A_DQ<39> M_A_DQ<38> M_A_DQ<41> M_A_DQ<45> M_A_DQ<44> M_A_DQ<40> M_A_DQ<47> M_A_DQ<46> M_A_DQ<43> M_A_DQ<42> M_A_DQ<52> M_A_DQ<53> M_A_DQ<49> M_A_DQ<48> M_A_DQ<51> M_A_DQ<50> M_A_DQ<54> M_A_DQ<55> M_A_DQ<57> M_A_DQ<56> M_A_DQ<61> M_A_DQ<60> M_A_DQ<63> M_A_DQ<62> M_A_DQ<59> M_A_DQ<58>

RB1166 RB1167 RB1168 RB1169 RB1170 RB1171 RB1172 RB1173

M_A_DQS0+ M_A_DQS0- M_A_DM<0> M_A_DQS1+ M_A_DQS1- M_A_DM<1> M_A_DQS2+ M_A_DQS2- M_A_DM<2> M_A_DQS3+ M_A_DQS3- M_A_DM<3> M_A_DQS4+ M_A_DQS4- M_A_DM<4> M_A_DQS5+ M_A_DQS5- M_A_DM<5> M_A_DQS6+ M_A_DQS6- M_A_DM<6> M_A_DQS7+ M_A_DQS7- M_A_DM<7>

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SONY CORPORATION	DRAWING: MBX-153 DDR2 MEMORY (1/2)		
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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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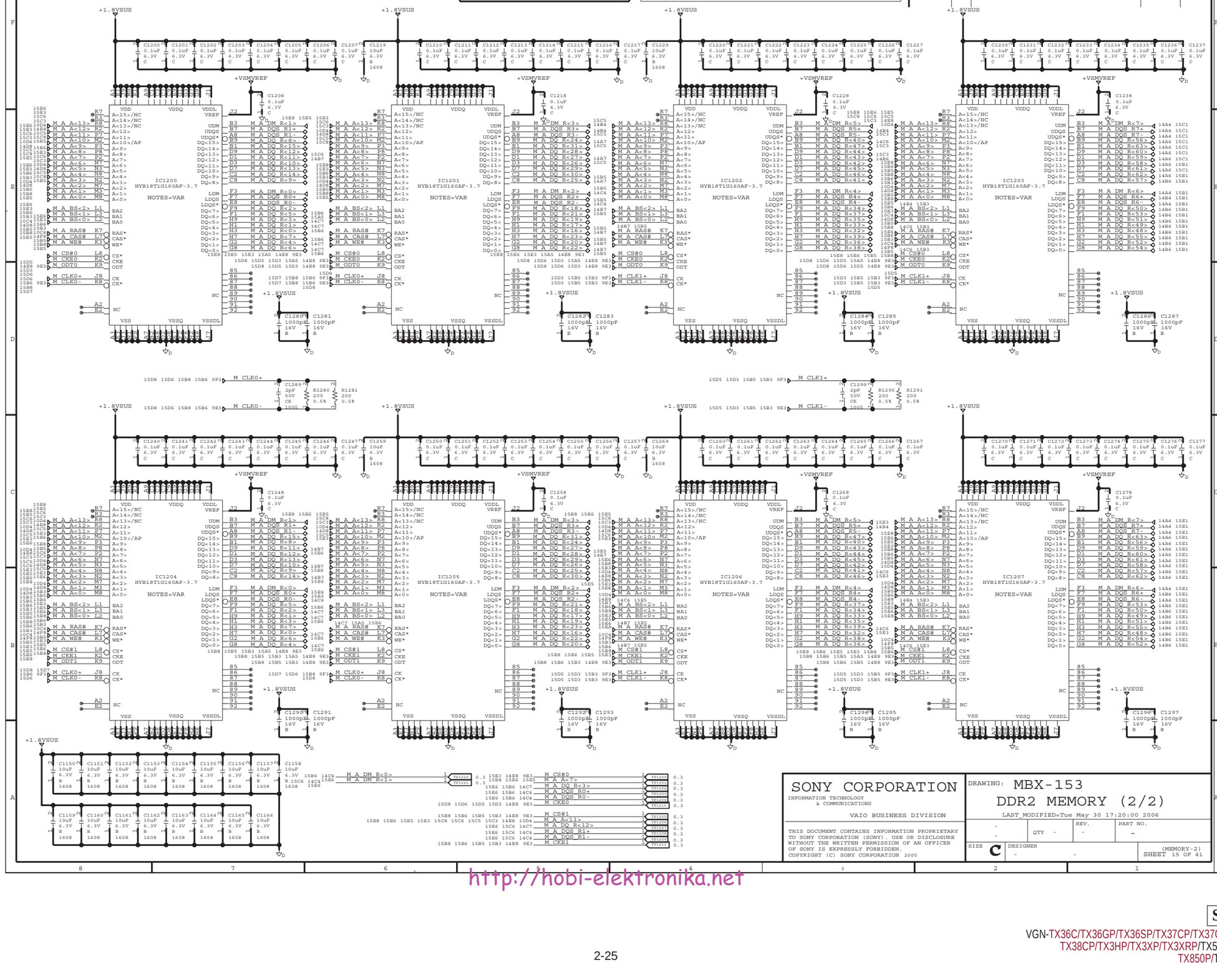

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DDR2 MEMORY (2/2)
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QTY	REV.	PART NO.
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SIZE C | DESIGNER - | (MEMORY-2) SHEET 15 OF 41

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ZONE	LTR	DESCRIPTION	DATE	APPR.

IC1400 82801GBM GROUP=ICH7-M

DMI BUS

PCI EXPRESS

2 OF 6

IC1400 82801GBM GROUP=ICH7-M PCI

1 OF 6

ICH7-M USB PORT ASSIGN
PORT0 : MAIN UNIT CN
PORT1 : DOCK CN
PORT2 : MAIN UNIT CN
PORT3 : 1SEG / WAN
PORT4 : FINGER PRINT SENSOR
PORT5 : NC
PORT6 : BLUETOOTH
PORT7 : FELICA

ICH7-M PCIE PORT ASSIGN
PORT1 : MINI CARD

(PULLUPS)

	REQ/GNT	BUS NO	DEV.NO	AD<XX>	PIRQ
CARD A	0	8	4	20	E
I.LINK	-	8	4	20	F
MEMORY STICK	-	8	4	20	G
INT LAN	-	8	8	-	E
DRAM CONT	-	0	0	-	
PEG BRIDGE	-	0	1	-	
INT GFX	-	0	2	-	
AZALIA	-	0	27	-	D
USB UHCI1	-	0	29	-	B
USB UHCI2	-	0	29	-	D
USB UHCI3	-	0	29	-	F
USB UHCI4	-	0	29	-	B
USB EHCI	-	0	29	-	H

(REF: 1400- 1499)

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DRAWING: MBX-153
ICH7-M(1/3)
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SIZE C | DESIGNER - - | (ICH-1) SHEET 16 OF 41

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Location
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ZONE	LTR	DESCRIPTION	DATE	APPR.

MODEL ID
IRX-3400 : 1100
IRX-3420 : 1111
IRX-3470 : 1000
IRX-3600 : 1010

SDRAM_ID	<1>	<0>
RESERVED	0	0
1024MBIT 4CHIP + 512MBIT 4CHIP - 768MB	0	1
512MBIT 8CHIP - 512MB	1	0
1024MBIT 8CHIP - 1024MB	1	1

IRX-3600 SYS_ID
SYS_ID<14> :RESERVED
SYS_ID<15>
0 :DDR2-400 FIXED
1 :DDR2-533/400

(* H:INT VCCSUS1_05 REG ENABLE)
(L:INT VCCSUS1_05 REG DISABLE)

(STRAPPING OPTION)
(TP3=H(INT-PU) ACZ_SDOUT=L(INT-PD) ACZ_SYNC=L(INT-PD): 4PORT OF X1 PCIE)

(* H:NO REBOOT MODE)

(SPI)

(ROMINFO)

(AEH)

(REF: 1500- 1599)

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INFORMATION TECHNOLOGY & COMMUNICATIONS	ICH7-M(2/3)
VAIO BUSINESS DIVISION	LAST_MODIFIED=Tue May 30 17:20:03 2006
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- Schematic Diagram Sheet Number

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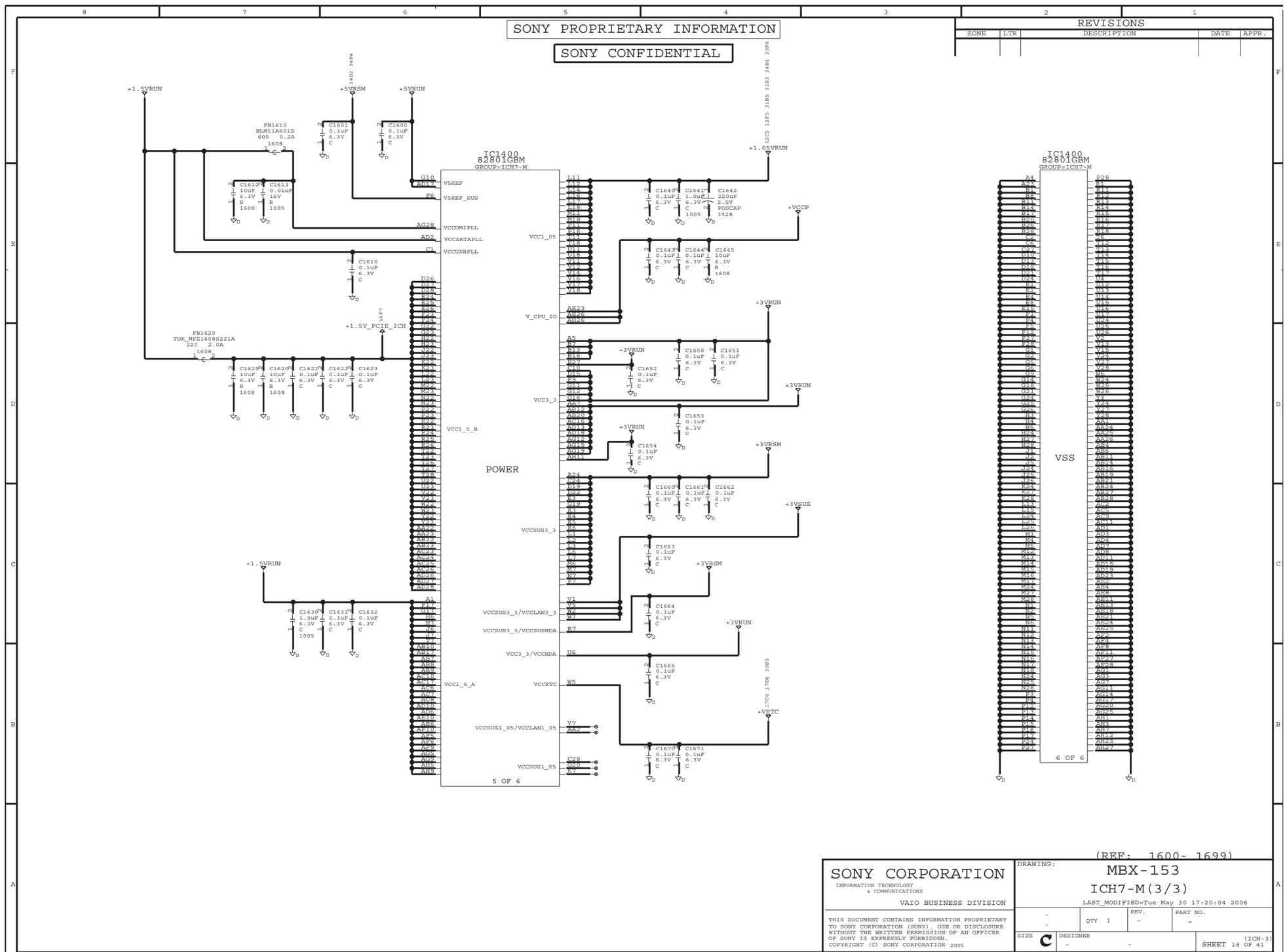

(REF: 1600- 1699)

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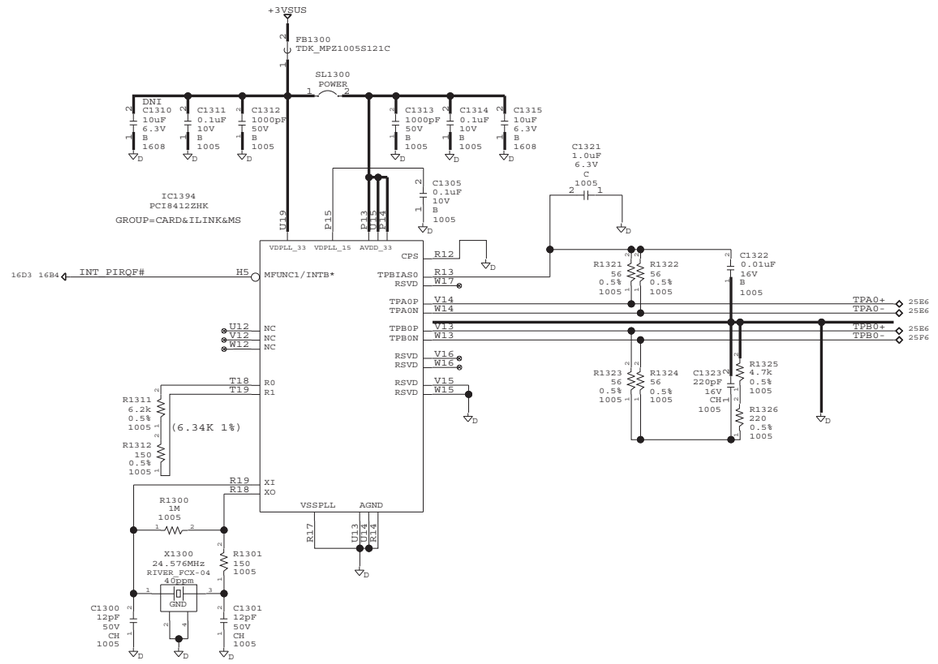

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	SIZE C	DESIGNER - -	(COMBO-1) SHEET 19 OF 41

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Location
Schematic Diagram Sheet Number
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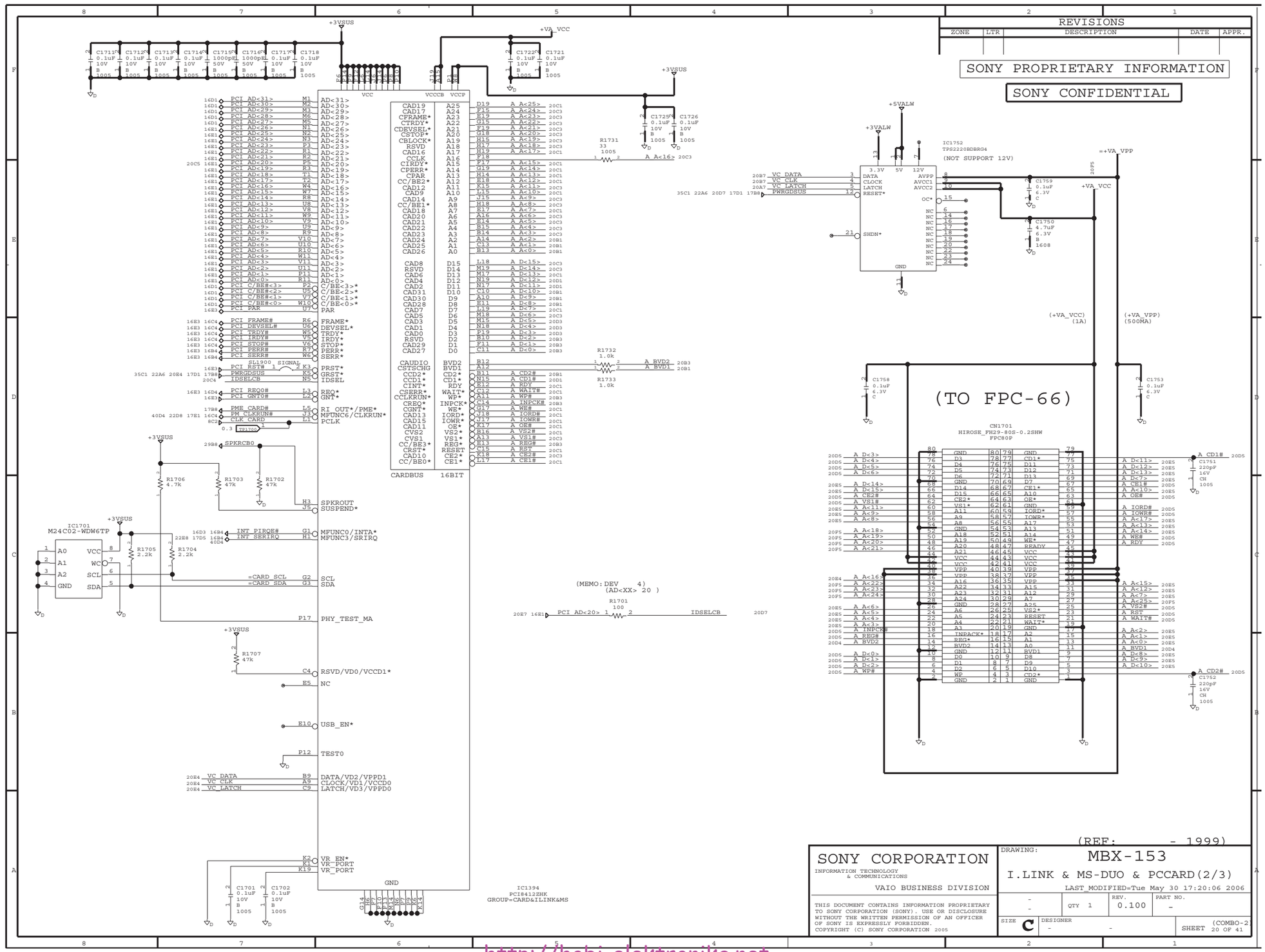

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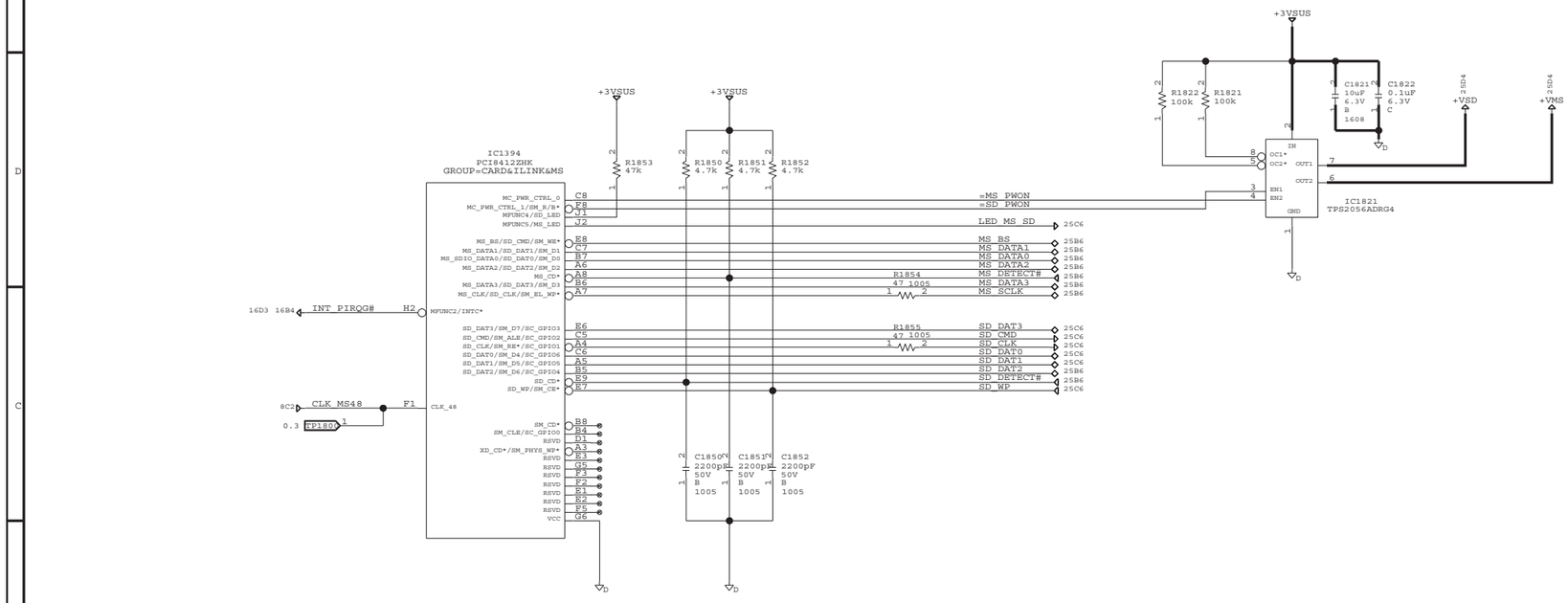

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ZONE	LTR	DESCRIPTION	DATE	APPR.

(TPM CN)
(TO IFX-448)

CN1900
NAIS_AXK6F20345J
BB20P

1	LPC AD<0>	1	2	+3VSUS	2
3	LPC AD<1>	3	4	+3VSUS	4
5	LPC FRAME#	5	6	+3VRUN	8
7	GND	7	8	TPM PRS#	10
9	CLK TPM	9	10	PM_SUSSTAT#	12
11	GND	11	12	INT_SERIRQ	14
13	LPC AD<2>	13	14	PLT_RST#	15
15	LPC AD<3>	15	16	PM_CLKRUN#	18
17	NC	17	18	GND	20
19	NC	19	20	GND	

IC1900
HD64P2111BVC
GROUP=KBC

IC1990
LIS302ALBTR

Q1990
RN4984FS
GROUP=GSENSE

Q1900
SSM3K15FV

X1900
RIVER_FCX-04C
10.0MHz

SL1910
POWER

MODEL_ID_EC	PORT	PIN	SIGNAME
MODEL_ID_EC<0>	PA0	41	MODEL_ID_EC<0>
MODEL_ID_EC<1>	PA1	40	CAM_OFF
MODEL_ID_EC<2>	PA6	34	MSK_FPBACK_5#
MODEL_ID_EC<3>	PA7	33	IDE_RST_5#

MODEL_ID_EC
IRX-3420 : 1111
IRX-3400 : 1100
IRX-3470 : 1000
IRX-3600 : 1010

FUNCTION	PORT	PIN	SIGNAME	STATE
WWAN_PRS#(EVDO)	PF6	44	EXTCOM_PRS0#	0
	PG2	56	EXTCOM_PRS1#	1
WWAN_PRS#(HSDPA)	PF6	44	EXTCOM_PRS0#	0
	PG2	56	EXTCOM_PRS1#	0
1SEG_PRS#	PF6	44	EXTCOM_PRS0#	1
	PG2	56	EXTCOM_PRS1#	0

(REF: 1900- 1999)

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EC (H8)
LAST_MODIFIED=Tue May 30 17:20:08 2006

-	QTY 1	REV. 0.180	PART NO. -

SIZE C | DESIGNER - - | (LPC-1) SHEET 22 OF 41

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ZONE	LTR	DESCRIPTION	DATE	APPR.

(BACKLIGHT ON/OFF SWITCH / OVP)

(LCD POWER SUPPLY (3.3V))

(LCD BACK LIGHT POWER)

(REF: 2100- 2199)

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LCD BACKLIGHT CTRL
LAST_MODIFIED=Tue May 30 17:20:09 2006

QTY	REV.	PART NO.
-	-	-

SIZE C | DESIGNER - - | (CN-1) SHEET 23 OF 41

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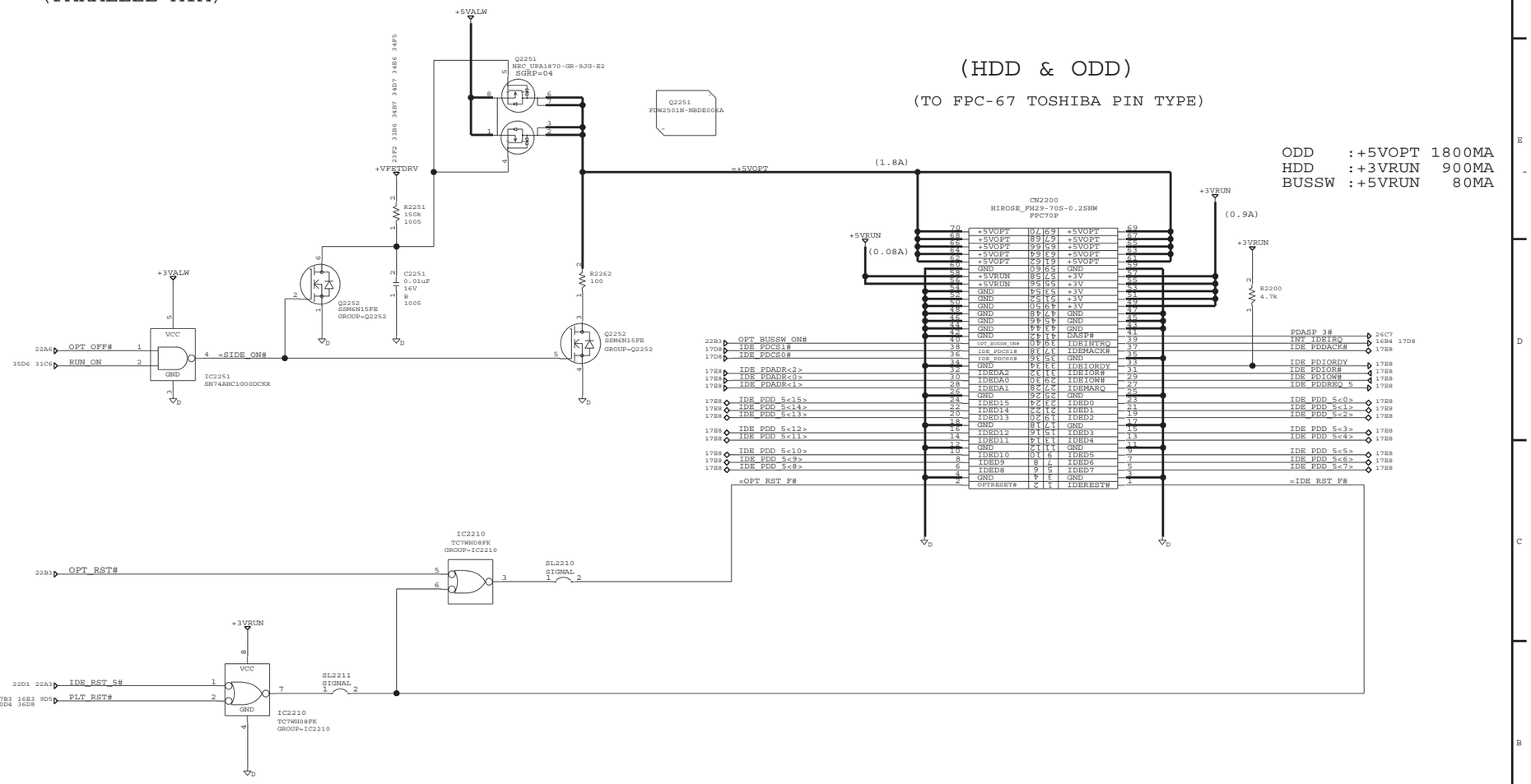
ZONE	LTR	DESCRIPTION	DATE	APPR.

(PARALLEL ATA)

(HDD & ODD)

(TO FPC-67 TOSHIBA PIN TYPE)

ODD :+5VOPT 1800MA
HDD :+3VRUN 900MA
BUSSW :+5VRUN 80MA



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- Location
- Schematic Diagram Sheet Number

DNI=Do Not Install

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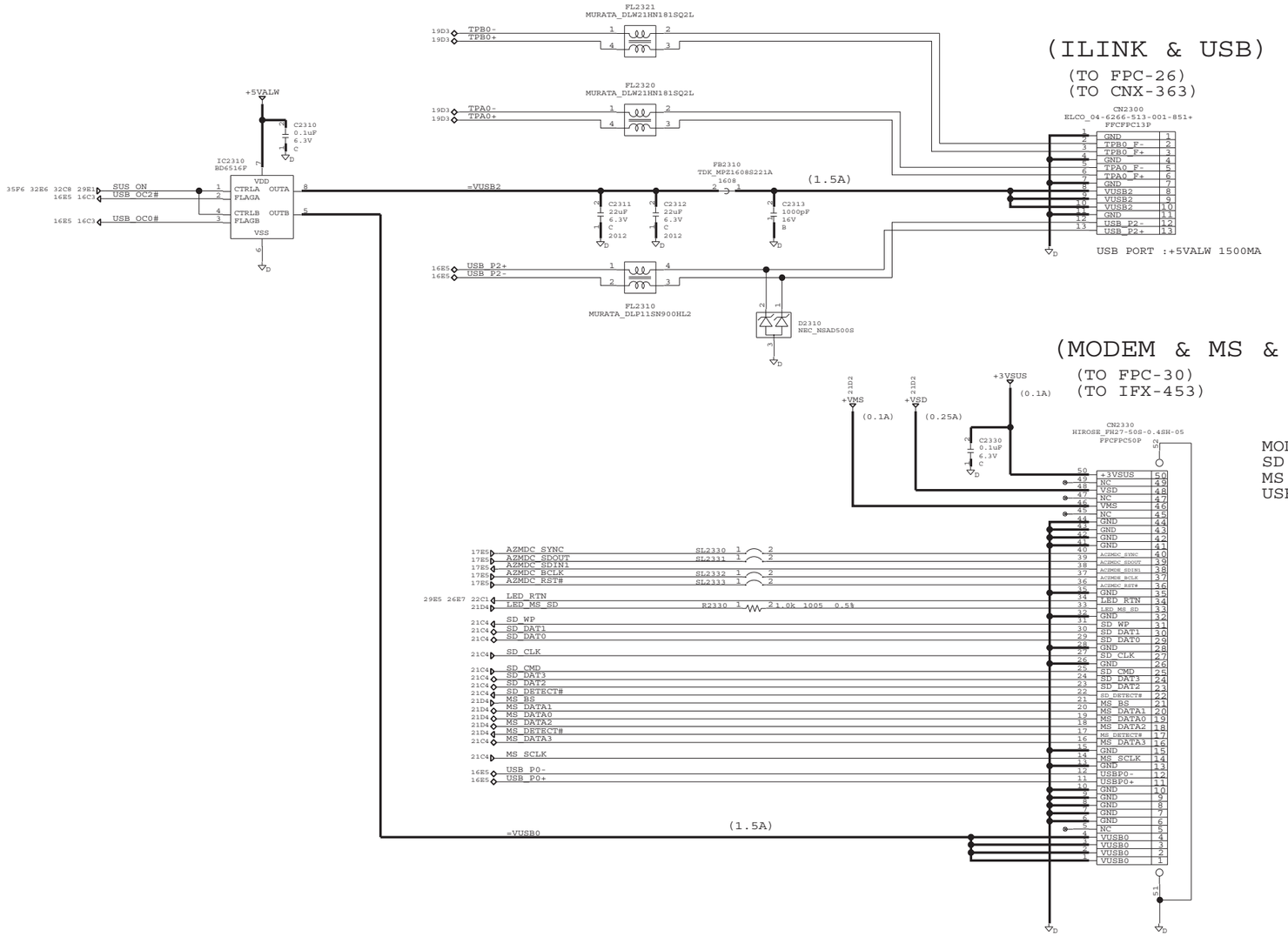
SONY PROPRIETARY INFORMATION

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.



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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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SONY PROPRIETARY INFORMATION

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

(LED & SW)

(TO LEX-70)

CN2400
JST_16FLT-SM2-TB-LP-SN
FFCFPC16P

1	BTN_PWR	1	
2	BTN_AVMODE	2	
3	BTN_PLAY	3	
4	BTN_STOP	4	
5	BTN_PREV	5	
6	BTN_NEXT	6	
7	BTN_OPT	7	
8	LED_RTN	8	
9	LED_PWR	9	
10	LED_STNDBY	10	
11	LED_BATT1	11	
12	LED_HDD	12	
13	LED_NUM	13	
14	LED_CAPS	14	
15	LED_SCRL	15	
16	GND	16	

40D7 40D2 22D8 SW_PWR#
22D1 BTN_AVMODE#
22D1 BTN_PLAY#
22D1 BTN_STOP#
22D1 BTN_PREV#
22D1 BTN_NEXT#
22B3 BTN_OPT#

29E5 25C6 22C1 LED_RTN

RB2400 10k 1406
RB2401 10k 1406

D2431 MAZD0620MLS0

D2430 TOSHIBA_DF8A6.8FK-TE85R

22D8 LED_PWR# → Q2411 RN2902FS GROUP=Q2411 → R2411 100 1005 =LED_PWR

22D8 LED_STNDBY# → Q2411 RN2902FS GROUP=Q2411 → R2412 330 1005 =LED_STNDBY

22D8 LED_BATT1# → Q2412 RN2902FS GROUP=Q2412 → R2413 270 1005 =LED_BATT1

24D1 PDASP_3# → Q2412 RN2902FS GROUP=Q2412 → R2414 330 1005 =LED_HDD

22D8 LED_NUM# → Q2421 RN2902FS GROUP=Q2421 → R2421 68 1005 =LED_NUM

22D8 LED_CAPS# → Q2421 RN2902FS GROUP=Q2421 → R2422 68 1005 =LED_CAPS

22D8 LED_SCRL# → Q2422 RN2902FS GROUP=Q2422 → R2423 68 1005 =LED_SCRL

Q2422 RN2902FS GROUP=Q2422

(KEYBOARD CN)

CN2490
HIROSE_FH12-24S-1SV-80
FFCFPC24P

1	KSO<1>	KSO<1>	22B6
2	KSO<4>	KSO<4>	22B6
3	KSO<3>	KSO<3>	22B6
4	KSO<2>	KSO<2>	22B6
5	KSO<5>	KSO<5>	22B6
6	KSO<6>	KSO<6>	22B6
7	KSO<7>	KSO<7>	22B6
8	KSI<6>	KSI<6>	22E1
9	KSI<5>	KSI<5>	22E1
10	KSI<7>	KSI<7>	22E1
11	KSI<1>	KSI<1>	22E1
12	KSI<2>	KSI<2>	22E1
13	KSI<0>	KSI<0>	22E1
14	KSI<4>	KSI<4>	22E1
15	KSI<3>	KSI<3>	22E1
16	KSO<8>	KSO<8>	22B6
17	KSO<9>	KSO<9>	22B6
18	KSO<10>	KSO<10>	22B6
19	KSO<12>	KSO<12>	22A6
20	KSO<11>	KSO<11>	22B6
21	KSO<15>	KSO<15>	22A6
22	KSO<14>	KSO<14>	22A6
23	KSO<13>	KSO<13>	22A6
24	KSO<0>	KSO<0>	22B6

(REF: 2400- 2499)

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DRAWING: MBX-153
SUBBOARD CN2
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-	QTY 1	REV. -	PART NO. -

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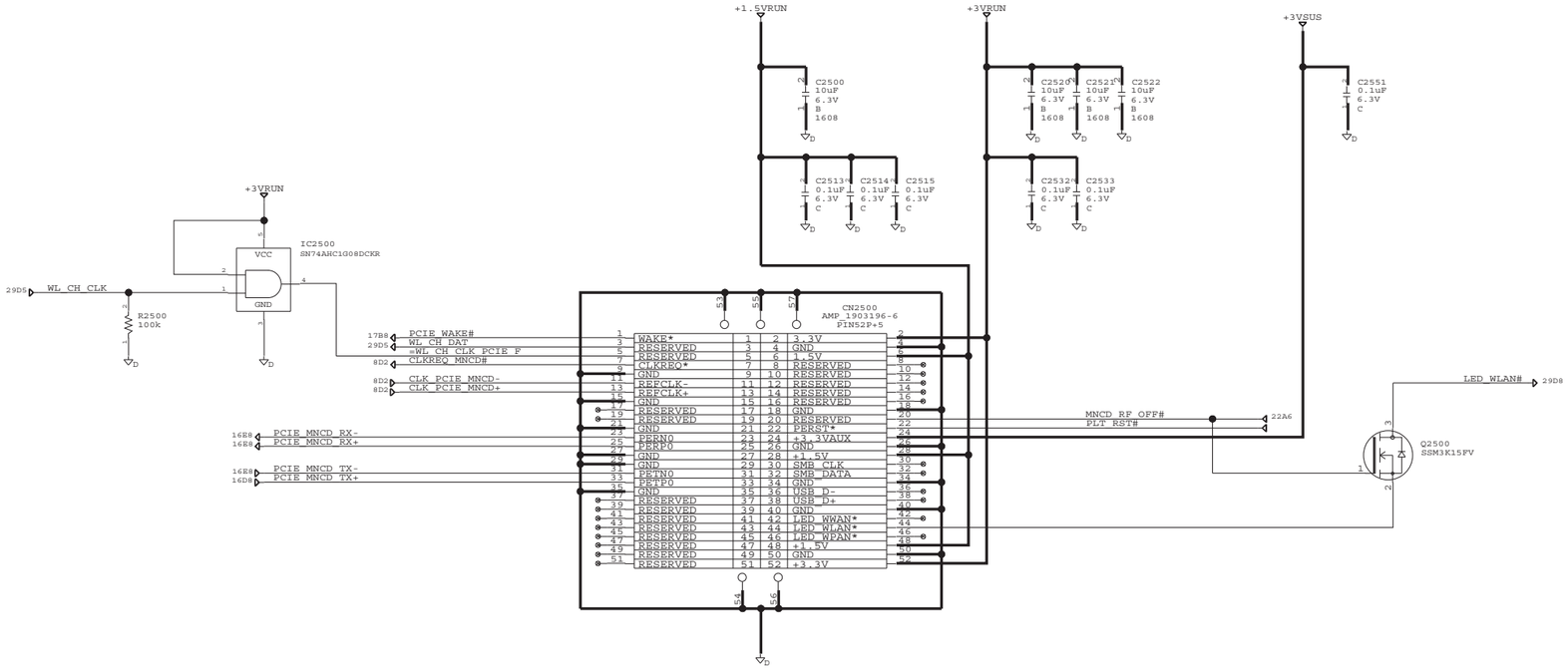
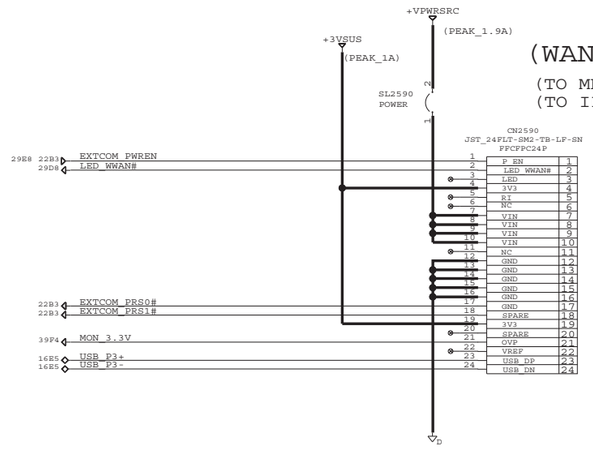
ZONE	LTR	DESCRIPTION	DATE	APPR.

(MINI CARD CN)





(WAN & 1SEG)

(TO MDL-17)
(TO IFX-454)

WLAN :+3VRUN 1000MA
+1.5VRUN 500MA
+3VSUS 330MA
WWAN :+VPWRSRC 700MA
+3VSUS 50UA
1SEG :+3VSUS 200MA

(REF: 2500- 2599)

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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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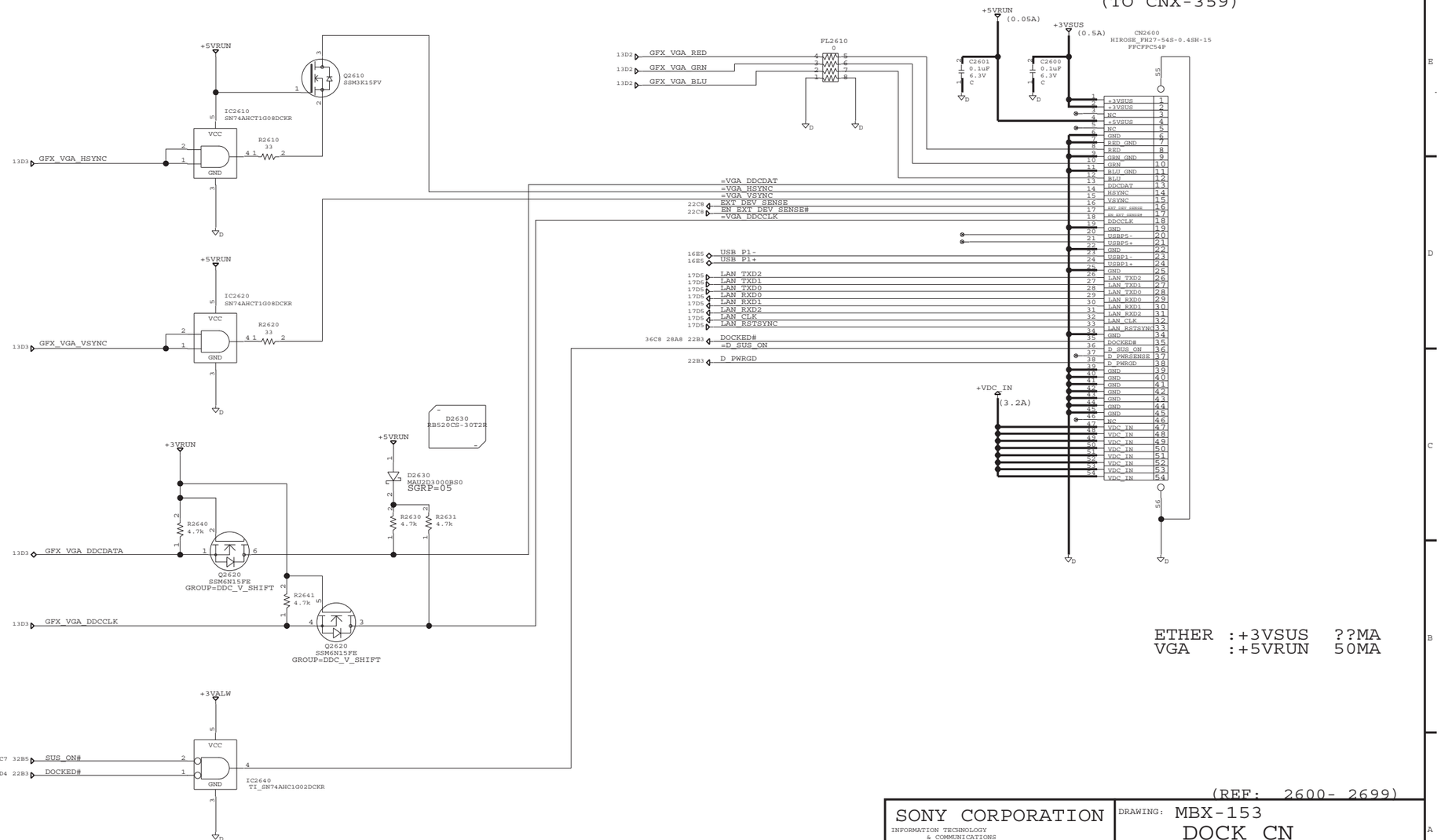
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

(ETHER & VGA CN & PORT REPLICATOR)

(TO FPC-27)
(TO CNX-359)



ETHER :+3VSUS ??MA
VGA :+5VRUN 50MA

(REF: 2600- 2699)

SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 DOCK CN LAST_MODIFIED=Tue May 30 17:20:13 2006
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Location
Schematic Diagram Sheet Number
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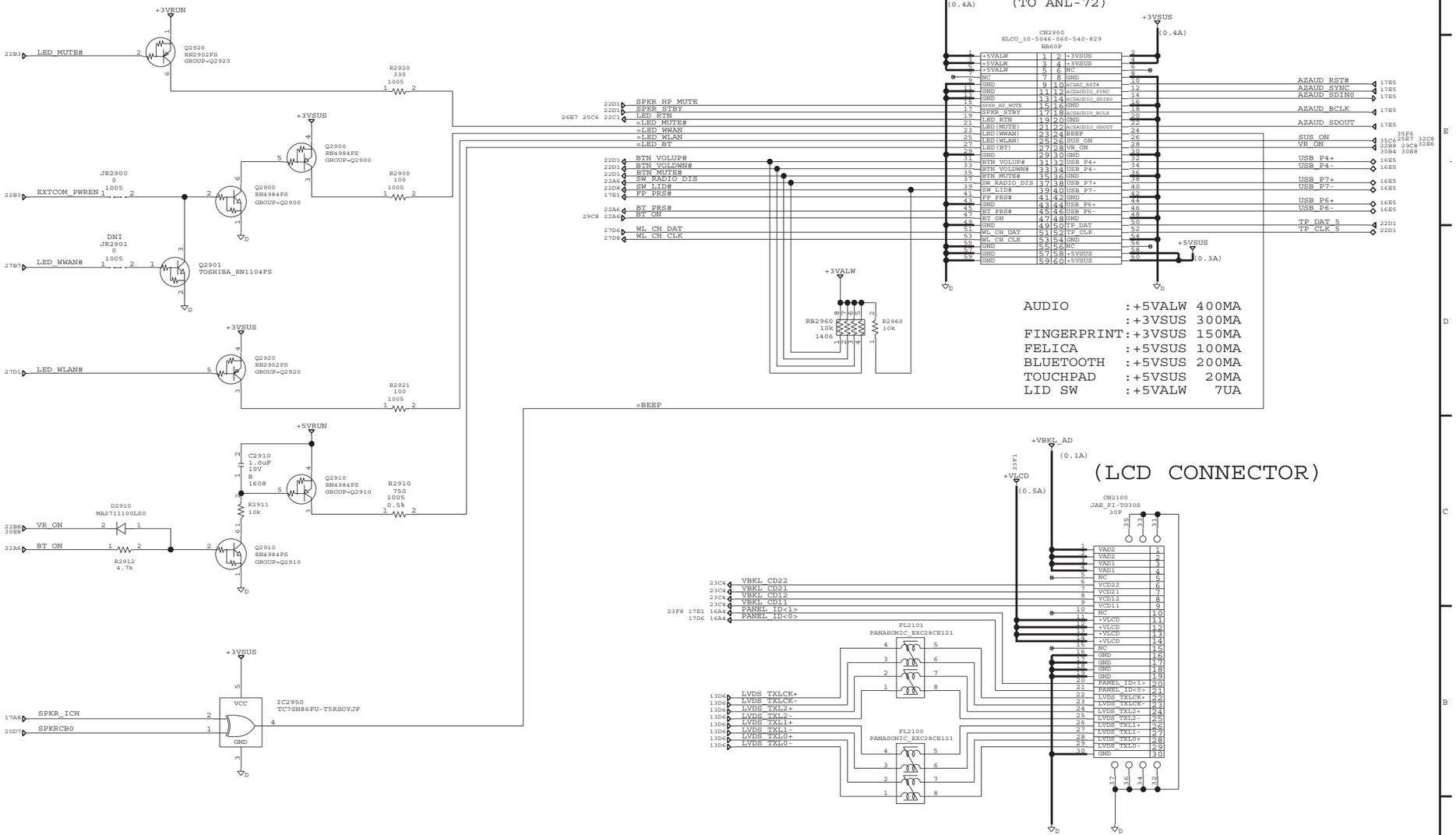
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

(AUDIO & FELICA & FINGERPRINT BLUETOOTH & TOUCHPAD)

(TO FPC-65)
(TO ANL-72)



AUDIO : +5VALW 400MA
: +3VSUS 300MA
FINGERPRINT : +3VSUS 150MA
FELICA : +5VSUS 100MA
BLUETOOTH : +5VSUS 200MA
TOUCHPAD : +5VSUS 20MA
LID SW : +5VALW 7UA

(LCD CONNECTOR)

(REF: 2900- 2999)

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	SIZE C	DESIGNER - -	(CN-7) SHEET 29 OF 41	

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(VOLTAGE IS BASED ON IMVP6 SPEC.)

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+VCPUCORE
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-	-	-

SIZE C | DESIGNER - - | (POWER-1) SHEET 30 OF 41

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(+1.5VRUN)
(4.0A)

(+1.05VRUN)
(3.0A / 1.05 V) (2.0A / VCCP)

(+VCCP)

IC4101 MAX1540AETJ+TG069

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DRAWING: MBX-153
+VCCP/+1.05VRUN/+1.5VRUN
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QTY 1 | REV. - | PART NO. -
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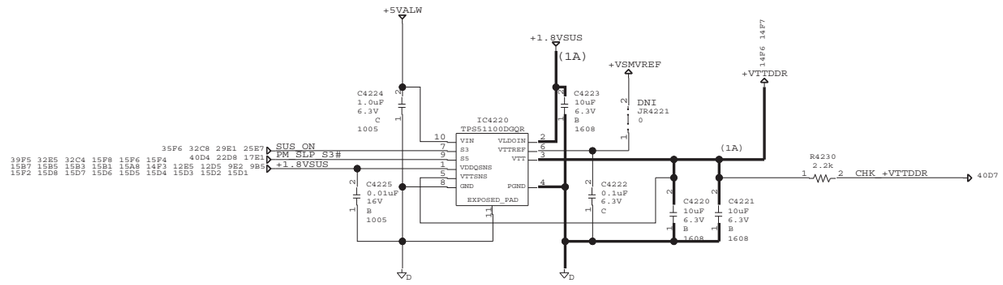
ZONE	LTR	DESCRIPTION	DATE	APPR.

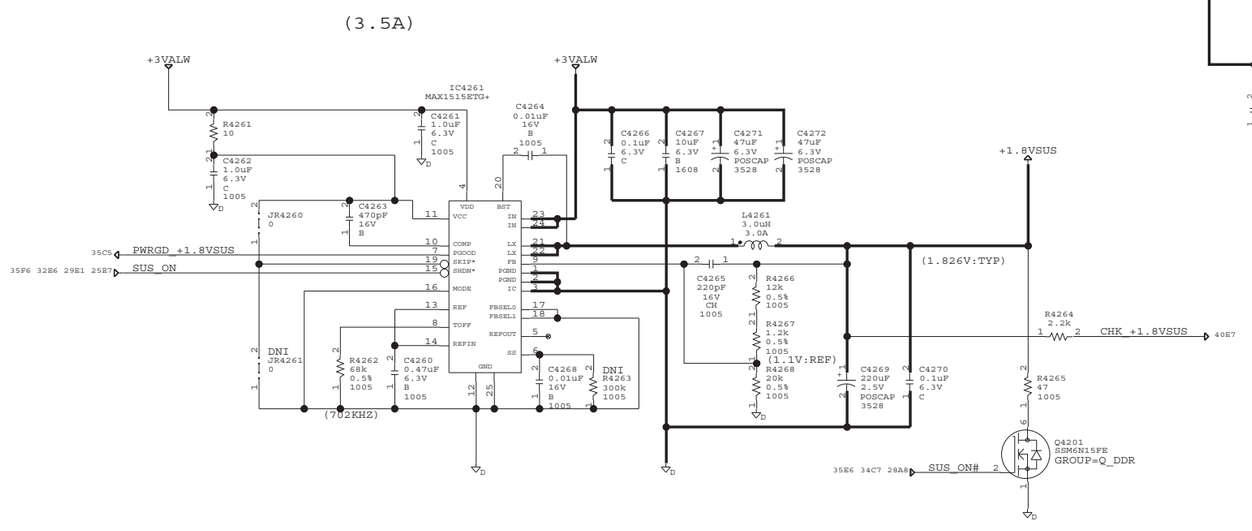
(+VTTDDR)

(1A)



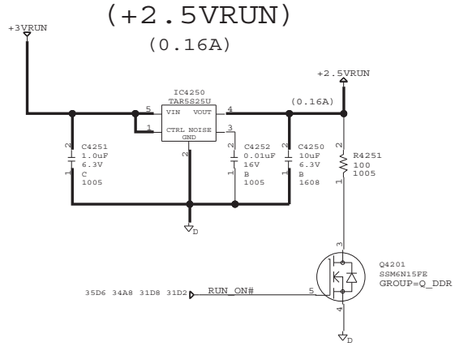
(+1.8VSUS)

(3.5A)



(+2.5VRUN)

(0.16A)



SONY CORPORATION	DRAWING: MBX-153
INFORMATION TECHNOLOGY & COMMUNICATIONS	+1.8VSUS / +VTTDDR / 2.5VRUN
VAIO BUSINESS DIVISION	LAST_MODIFIED=Tue May 30 17:20:17 2006
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Location
Schematic Diagram Sheet Number
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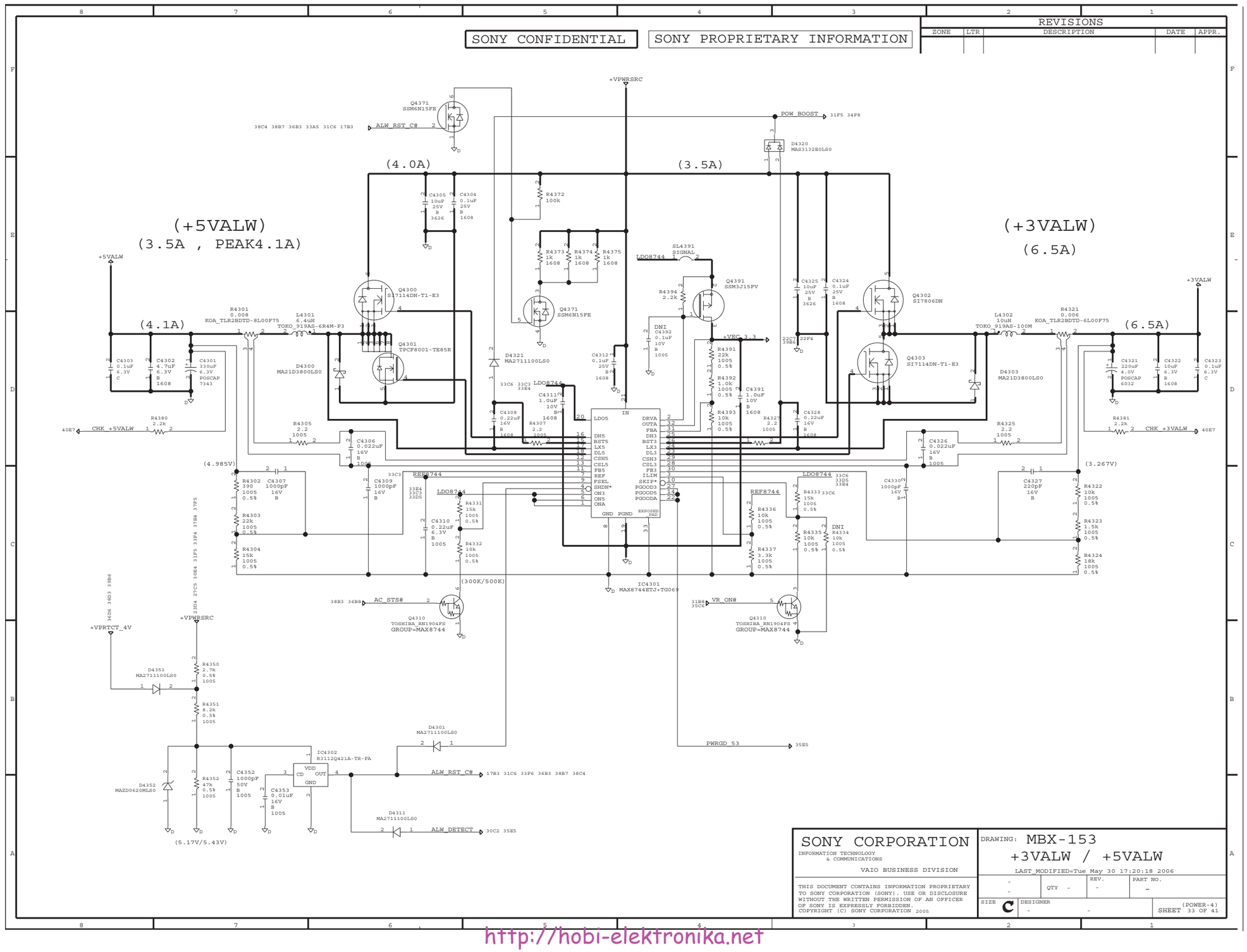
ZONE	LTR	DESCRIPTION	DATE	APPR.



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QTY	REV.	PART NO.
-	-	-

SIZE C | DESIGNER - - | (POWER-4) SHEET 33 OF 41

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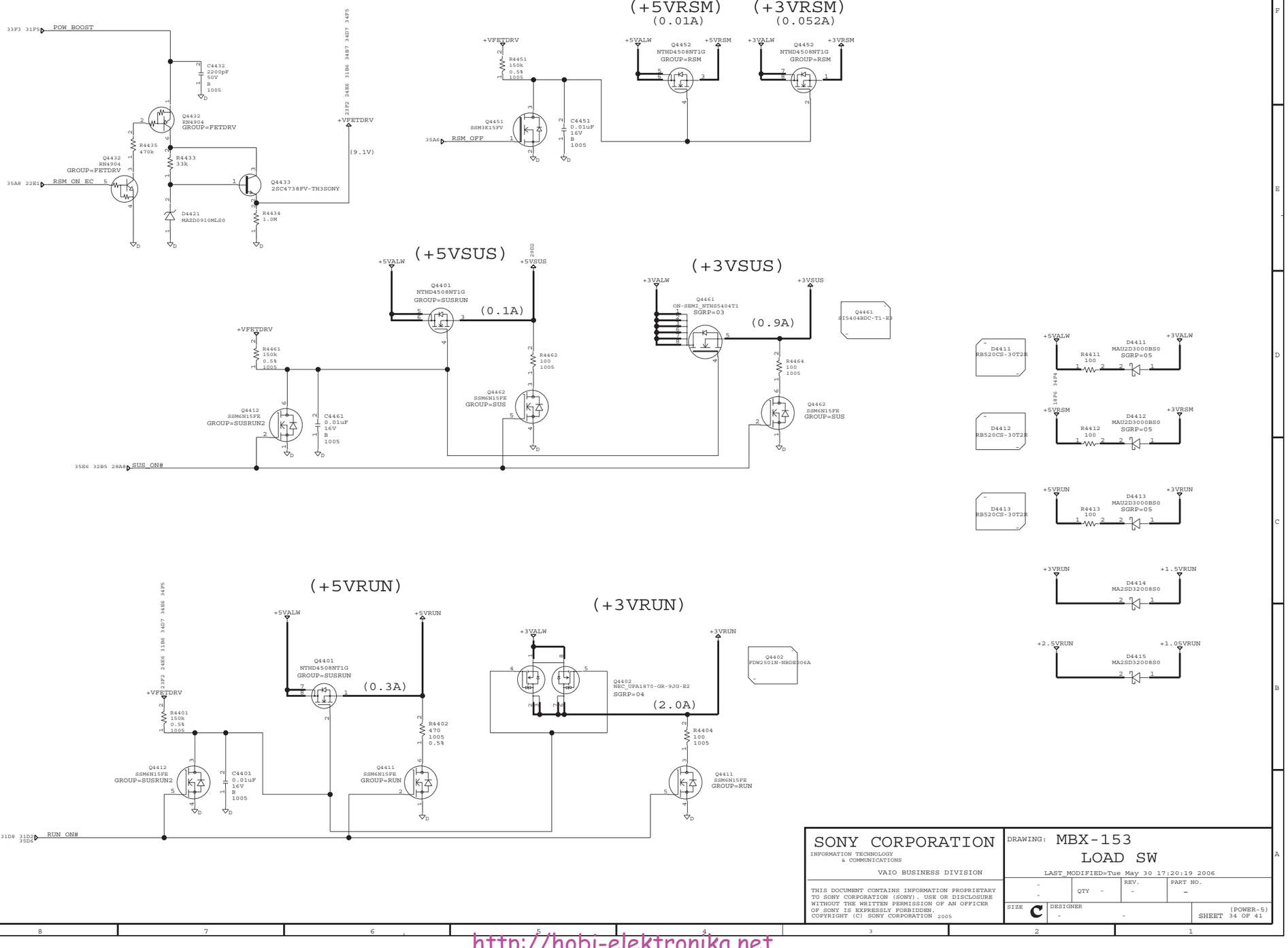

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SIZE C	DESIGNER - -	(POWER-5)	SHEET 34 OF 41

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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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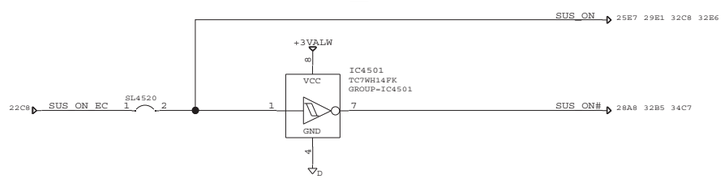
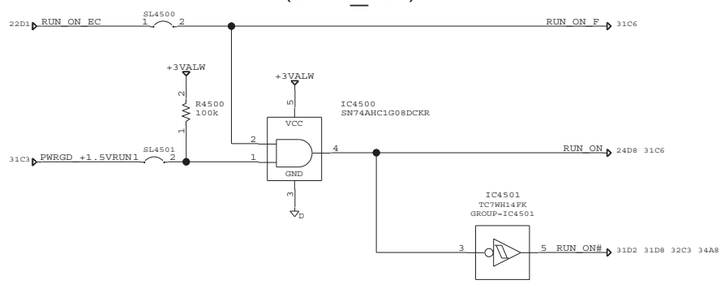
ZONE	LTR	DESCRIPTION	DATE	APPR.

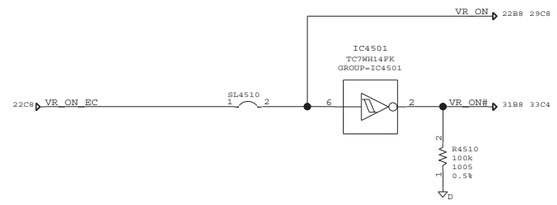
(SUS_ON)



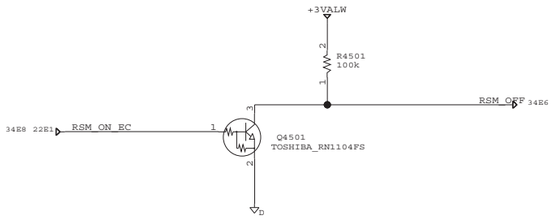
(RUN_ON)



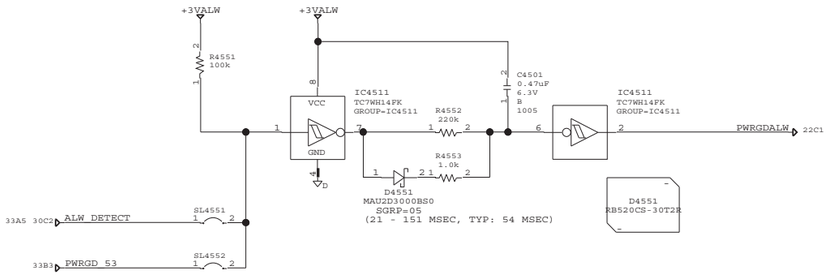
(VR_ON)



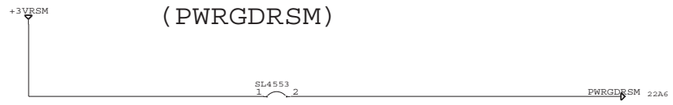
(RSM_ON)



(PWRGDALW)



(PWRGDRSM)



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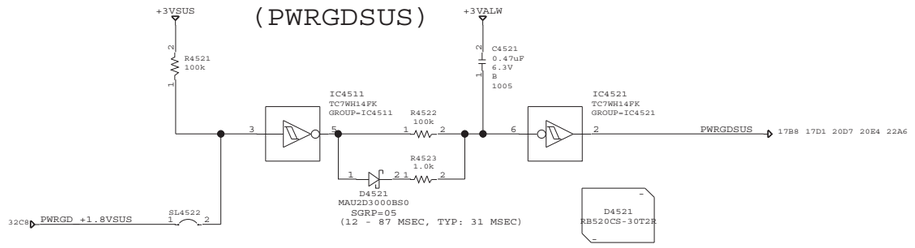
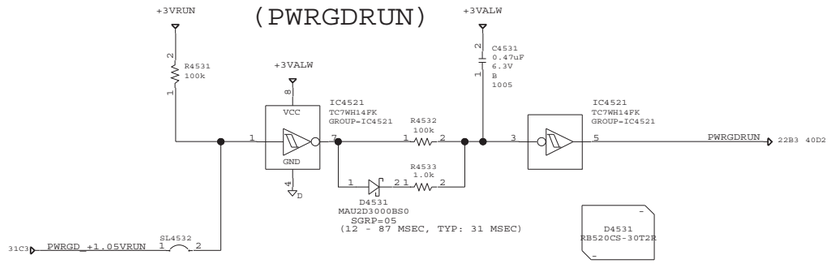


(PWRGDRUN)



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SIZE C	DESIGNER - -	(POWER-6)	SHEET 35 OF 41

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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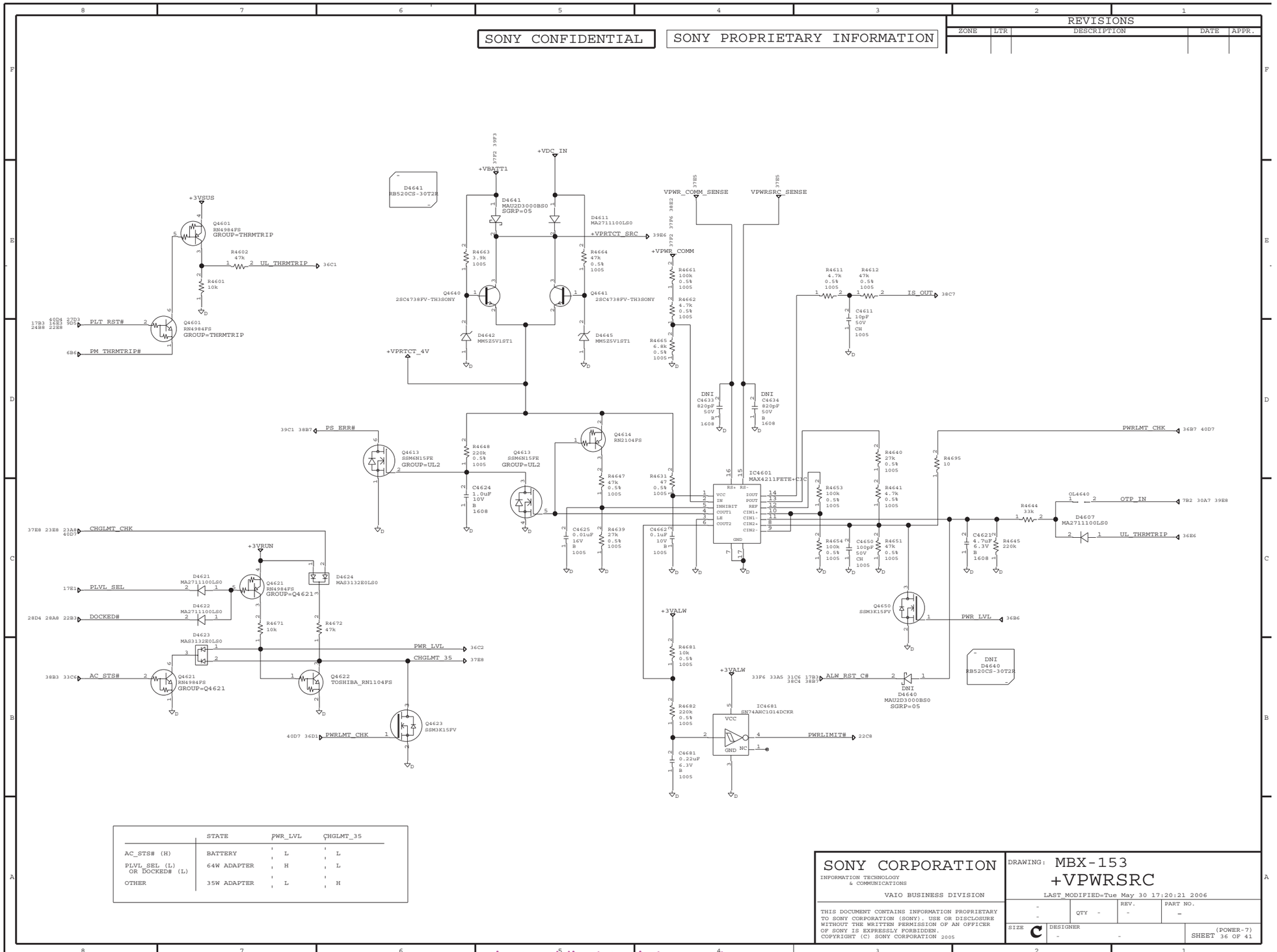
ZONE	LTR	DESCRIPTION	DATE	APPR.



	STATE	PWR_LVL	CHGLMT_35
AC_STS# (H)	BATTERY	L	L
PLVL_SEL (L) OR DOCKED# (L)	64W ADAPTER	H	L
OTHER	35W ADAPTER	L	H

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+VPWRSRC
LAST_MODIFIED=Tue May 30 17:20:21 2006

QTY	REV.	PART NO.
-	-	-

SIZE C DESIGNER - (POWER-7) SHEET 36 OF 41

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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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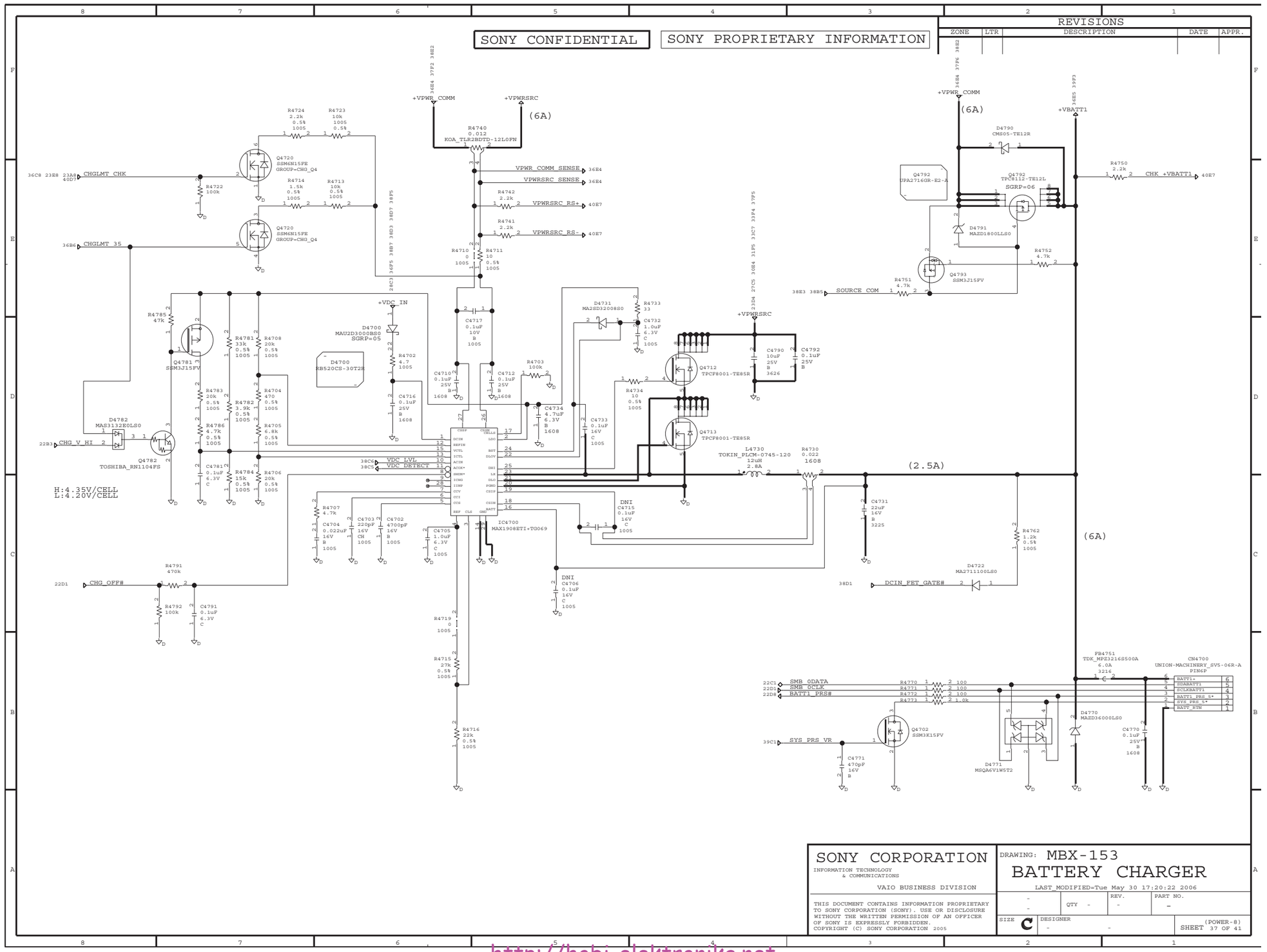
ZONE	LTR	DESCRIPTION	DATE	APPR.



SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 BATTERY CHARGER LAST_MODIFIED=Tue May 30 17:20:22 2006		
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SIZE C	DESIGNER - -	(POWER-8)	SHEET 37 OF 41

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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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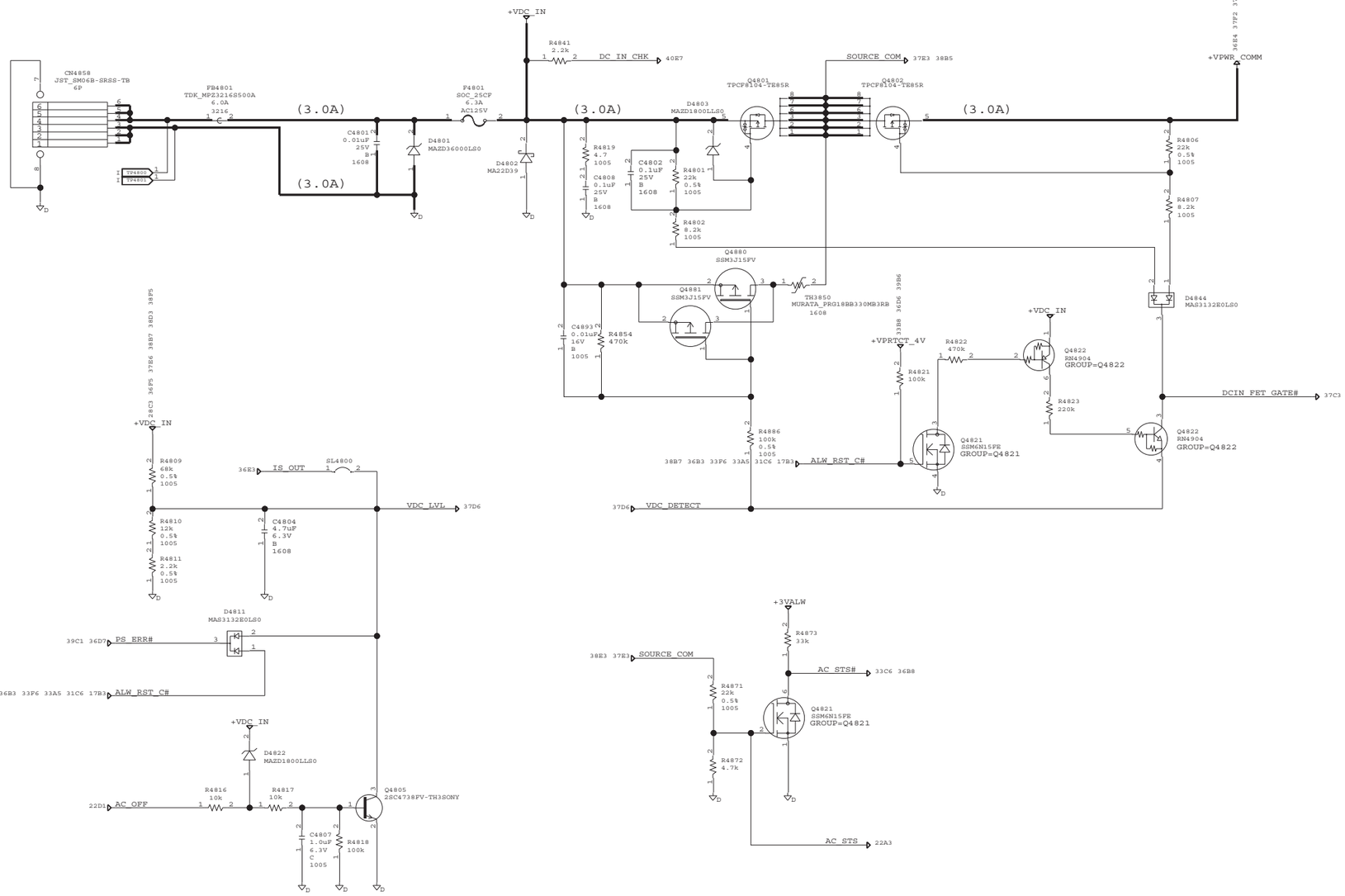
ZONE	LTR	DESCRIPTION	DATE	APPR.



SONY CORPORATION INFORMATION TECHNOLOGY & COMMUNICATIONS VAIO BUSINESS DIVISION	DRAWING: MBX-153 +VDC_IN LAST_MODIFIED=Tue May 30 17:20:23 2006		
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SIZE C	DESIGNER -		(POWER-9) SHEET 38 OF 41

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

(OVP)

+1.05VRUN +VCPUCORE +1.5VRUN +1.8VSUS MON_3.3V +3VALW +5VALW +VBATT1

40D7 UL_CHK
36C1 30A7 7B2 OTP_IN
SL4901
R4922 2.2k
R4901 1.0k 0.5% 1005
D4906 MAZD0620MLS0
D4901 MAS3132E0LS0
D4902 MAS3132E0LS0
+VPRTCT_SRC
Q4902 2SC4738FV-TH3SONY
IC4901 R3112Q251A-TR-FA
VDD CD OUT GND
C4902 0.1uF 10V B 1005
DNI C4903 0.01uF 16V B 1005
R4902 10k
R4903 100k
Q4901 SSM6N15FE GROUP=UL_Q1
UL_IN# 39C4
R4910 27k 1005 0.5%
R4912 27k 1005 0.5%
R4914 27k 1005 0.5%
D4914 MAZD0620MLS0
R4916 27k 1005 0.5%
UL_BKL 23C8
D4903 MA2711100LS0
D4904 MAS3132E0LS0
D4905 MAS3132E0LS0
R4911 47k 0.5% 1005
R4913 47k 0.5% 1005
R4915 20k 0.5% 1005
C4910 1.0uF 10V B 1608
R4917 18k 1005

(UL CIRCUIT)

39D5 UL_IN#
(DO NOT PROBE UL_IN#)
R4956 10k
SYS_PRS_VR 37B4
+V_UL
C4951 0.1uF 10V B 1005
IC4952 TC7WH14FK GROUP=IC4952
VCC GND
R4958 100k
D4950 MAU2D3000BS0 SGRP=05
R4955 470k
C4955 1.0uF 10V B 1608
DNI C4956 0.1uF 10V B 1005
D4950 RB520CS-30T2R
IC4952 TC7WH14FK GROUP=IC4952
IC4952 TC7WH14FK GROUP=IC4952
PS_ERR# 36D7 38B7
Q4901 SSM6N15FE GROUP=UL_Q1
(UL STS)
HI : UL
LOW : NORMAL
(PLACE UNDER MEMORY DOOR)

(BACKUP BATTERY)

+5VALW +3VALW
R4974 15k 0.5% 1005
R4975 470 0.5% 1005
Q4975 2SC4738FV-TH3SONY
R4976 150
DNI D4973 RB520CS-30T2R
DNI D4973 MAU2D3000BS0 SGRP=05
+VRC_3.3
R4972 22K 1005
RTC_RST# 17C6
C4977 1.0uF 6.3V C 1005
+VRTC
CN4971 JST_SM02B-SRSS-TB PIN2P
R4971 470 0.5% 1005
R4973 470 0.5% 1005
D4971 MAS3132E0LS0
C4976 1.0uF 6.3V C 1005
R4970 470 0.5% 1005
40D7 VB_BAT_CHK
40D7 VB_BAT_RS
SL4971 0.25MM
+VPRTCT_4V
D4972 MAS3132E0LS0
+V_UL 39C4

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DRAWING: MBX-153
UL CIRCUIT
LAST_MODIFIED=Tue May 30 17:20:24 2006

QTY	REV.	PART NO.
-	-	-

SIZE C | DESIGNER - - | (POWER-10) SHEET 39 OF 41

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Location
Schematic Diagram Sheet Number
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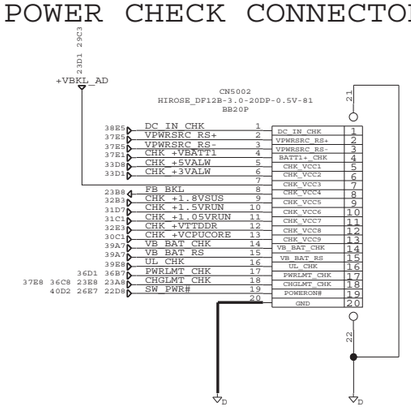
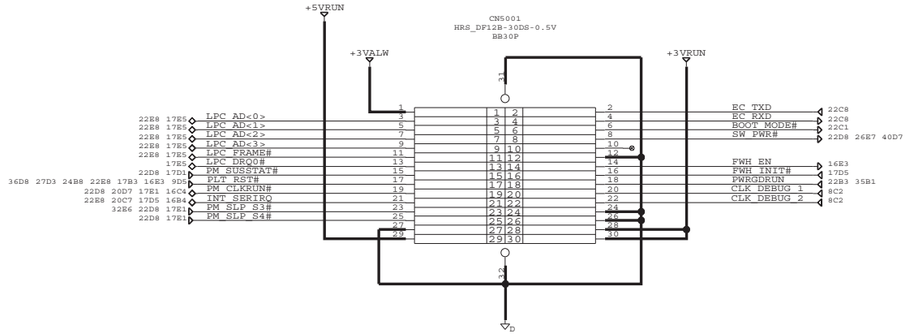
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

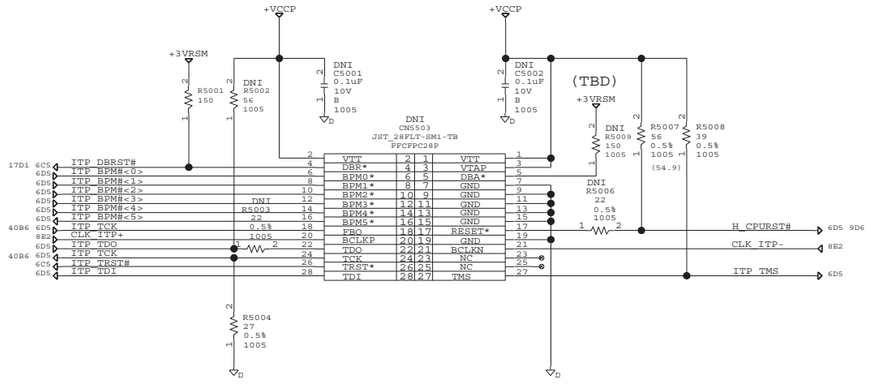
(POWER CHECK CONNECTOR)



(DEBUG CONNECTOR)



(ITP CONNECTOR)



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SIZE C	DESIGNER - -	(DEBUG) SHEET 40 OF 41	

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SONY PROPRIETARY INFORMATION

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

U14_512
CPU:ICE-YO U1400/1.20GHZ
MEM:512MB

OVID

P.6-7 CPU
IC1 — LE80538UE0092MSL8W6 — U14_512

INFINEON

P.15 MEMORY

ROW 0
IC1200 — HYB18T512160AF-3.7 — U14_512
IC1201 — HYB18T512160AF-3.7 — U14_512
IC1202 — HYB18T512160AF-3.7 — U14_512
IC1203 — HYB18T512160AF-3.7 — U14_512

ROW 1
IC1204 — HYB18T512160AF-3.7 — U14_512
IC1205 — HYB18T512160AF-3.7 — U14_512
IC1206 — HYB18T512160AF-3.7 — U14_512
IC1207 — HYB18T512160AF-3.7 — U14_512

P.17 SDRAM_ID

ID0
PULL_UP: R1560 DNI 10k U14_512
PULL_DOWN: R1561 10k U14_512

ID1
PULL_UP: R1562 10k U14_512
PULL_DOWN: R1563 DNI 10k U14_512

U13_512
CPU:ICE-YO U1300/1.06GHZ
MEM:512MB

OVID

IC1 — LE80538UE0042MSL8W7 — U13_512

INFINEON

IC1200 — HYB18T512160AF-3.7 — U13_512
IC1201 — HYB18T512160AF-3.7 — U13_512
IC1202 — HYB18T512160AF-3.7 — U13_512
IC1203 — HYB18T512160AF-3.7 — U13_512
IC1204 — HYB18T512160AF-3.7 — U13_512
IC1205 — HYB18T512160AF-3.7 — U13_512
IC1206 — HYB18T512160AF-3.7 — U13_512
IC1207 — HYB18T512160AF-3.7 — U13_512

R1560 DNI 10k U13_512
R1561 10k U13_512
R1562 10k U13_512
R1563 DNI 10k U13_512

C423_512
CPU:ULV-CELM-YO 423/1.06GHZ
MEM:512MB

OVID

IC1 — LE80538VE0041MSL8XW — 423_512

INFINEON

IC1200 — HYB18T512160AF-3.7 — 423_512
IC1201 — HYB18T512160AF-3.7 — 423_512
IC1202 — HYB18T512160AF-3.7 — 423_512
IC1203 — HYB18T512160AF-3.7 — 423_512
IC1204 — HYB18T512160AF-3.7 — 423_512
IC1205 — HYB18T512160AF-3.7 — 423_512
IC1206 — HYB18T512160AF-3.7 — 423_512
IC1207 — HYB18T512160AF-3.7 — 423_512

R1560 DNI 10k 423_512
R1561 10k 423_512
R1562 10k 423_512
R1563 DNI 10k 423_512

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	SIZE C	DESIGNER - -	(VARIANCE-1) SHEET 41 OF 41

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- Location
- Schematic Diagram Sheet Number

DNI=Do Not Install

MBX-153 Signal Cross Reference (1/6)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

```
Title:        Basenet Report
Design:       mbx153
Date:         May 30 17:24:08 2006

Base nets and synonyms for pwb_lib.MBX153(@pwb_lib.mbx153(sch_1))
Base Signal           Synonyms                          Location([Zone][dir])

+1.05VRUN             +1.05VRUN - @pwb_lib.MBX153       12C5 12F5 18F4 31B5 31E2
                                                        34B1 39F6
+1.5VRUN              +1.5VRUN - @pwb_lib.MBX153        7D6 11C4 11C5 11D4 11D7
                                                        11E5 11E7 12D3 12F3 13D5
                                                        18C7 18F8 27F5 31E7 34C1
                                                        39F5
+1.5V_PCIE            +1.5V_PCIE - @pwb_lib.MBX153      11E4 13E3
+1.5V_PCIE_ICH        +1.5V_PCIE_ICH - @pwb_lib.MBX153  16F7 18D6
+1.8VSUS              +1.8VSUS - @pwb_lib.MBX153        9B5 9E2 12D5 12E5 14F3
                                                        15A8 15B1 15B3 15B5 15B7
                                                        15D1 15D2 15D3 15D4 15D5
                                                        15D6 15D7 15D8 15F2 15F4
                                                        15F6 15F8 32C4 32E5 32E6
                                                        39F5
+2.5VRUN              +2.5VRUN - @pwb_lib.MBX153        11D6 11E6 11E7 11F4 11F4
                                                        32D2 34B2
+3VALW                +3VALW - @pwb_lib.MBX153          20F3 22B4 22B5 22C6 22E6
                                                        22E6 22F3 22F4 22F4 22F5
                                                        23E3 23F2 24D7 26B6 26B7
                                                        26C6 26D6 26D7 26E6 26F6
                                                        26F7 28B7 29D4 32D6 32D8
                                                        33E1 34B5 34D1 34D4 34F4
                                                        35B3 35B3 35B7 35D3 35D7
                                                        35D7 35F3 35F4 35F7 36B4
                                                        36C4 38C4 39C6 39F4 40E4
+3VRSM                +3VRSM - @pwb_lib.MBX153          16D4 17B4 17F5 18C4 18D4
                                                        22E6 34D1 34F3 35E4 40C4
                                                        40C6
+3VRUN                +3VRUN - @pwb_lib.MBX153          6F5 8F5 8F6 9D4 11C4 14B1
                                                        14B4 14E5 16D5 17A4 17A5
                                                        17A7 17B1 17B2 17B3 17D1
                                                        17D5 17E1 17F1 18C4 18D4
                                                        18D5 18D5 18E4 22C6 22F2
                                                        22F3 22F6 24C7 24D2 24E2
                                                        26C7 27E7 27F4 28C7 29F7
                                                        30C6 30F7 32D3 34B4 34C1
                                                        34C2 35B4 36C7 40E2
+3VSUS                +3VSUS - @pwb_lib.MBX153          17E5 18C4 19E6 20C7 20C8
                                                        20D8 20F4 20F6 21D5 21D6
                                                        21E3 22F7 25D3 27C6 27F2
                                                        28E2 29B7 29D7 29E7 29F2
                                                        34D3 35D4 36E7
+5VALW                +5VALW - @pwb_lib.MBX153          6C4 20F3 22B2 22F5 24F6
                                                        25E7 29F3 31F4 32E5 33E8
                                                        34B7 34D2 34E6 34F4 39C7
                                                        39F3
+5VRSM                +5VRSM - @pwb_lib.MBX153          18F6 34D2 34F4
+5VRUN                +5VRUN - @pwb_lib.MBX153          7B3 18F6 22F3 23D3 23D6
                                                        23E5 23E5 23E6 23E7 23F7
                                                        23F7 24E4 28C6 28D7 28E3
                                                        28E7 29C7 30B6 30E3 30E5
                                                        34B6 34C2 40E4
+5VSUS                +5VSUS - @pwb_lib.MBX153          29D2 34E5
+VA_VCC               +VA_VCC - @pwb_lib.MBX153         20E2 20F5
+VBATT1               +VBATT1 - @pwb_lib.MBX153         36E5 37F2 39F3
+VBKL_AD              +VBKL_AD - @pwb_lib.MBX153        23D1 29C3 40E7
+VCCP                 +VCCP - @pwb_lib.MBX153           6B7 6D4 6D5 6E5 7D3 7D6
                                                        9B6 9B6 9B7 9B7 9D5 11C2
                                                        11E1 17C4 18E4 30B5 31B4
                                                        40C4 40C5
+VCPUCORE             +VCPUCORE - @pwb_lib.MBX153       7E3 7E7 7E7 30E1 31B7
                                                        39F6
+VDC_IN               +VDC_IN - @pwb_lib.MBX153         28C3 36F5 37E6 38B7 38D3
                                                        38D7 38F5
+VEC_3.3              +VEC_3.3 - @pwb_lib.MBX153        22C7 22F4 33D4 39B6
+VFETDRV              +VFETDRV - @pwb_lib.MBX153        23F2 24E6 31B6 34B7 34D7
                                                        34E6 34F5
+VLCD                 +VLCD - @pwb_lib.MBX153           23F1 29C3
+VMS                  +VMS - @pwb_lib.MBX153            21D2 25D4
+VPRTCT_4V            +VPRTCT_4V - @pwb_lib.MBX153      33B8 36D6 38D3 39B6
+VPRTCT_SRC           +VPRTCT_SRC - @pwb_lib.MBX153     36E4 39E6
+VPWRSRC              +VPWRSRC - @pwb_lib.MBX153        23D4 27C5 30E4 31F5 33C7
                                                        33F4 37E4 37F5
+VPWR_COMM            +VPWR_COMM - @pwb_lib.MBX153      36E4 37F2 37F6 38E2
+VRTC                 +VRTC - @pwb_lib.MBX153           17C6 17D6 18B4 39B5
+VSD                  +VSD - @pwb_lib.MBX153            21D2 25D4
+VSMVREF              +VSMVREF - @pwb_lib.MBX153        9E1 14F4 15C1 15C3 15C5
                                                        15C7 15F1 15F3 15F5 15F7
                                                        32E4
+VTTDDR               +VTTDDR - @pwb_lib.MBX153         14F6 14F6 14F7 32E4
+V_UL                 +V_UL - @pwb_lib.MBX153           39B5 39C4
=+5VOPT               =+5VOPT - @pwb_lib.MBX153         24E4
=+VA_VPP              =+VA_VPP - @pwb_lib.MBX153        20F1
=ACC_X                =ACC_X - @pwb_lib.MBX153          22D8
=ACC_Y                =ACC_Y - @pwb_lib.MBX153          22D8
```

```
        =ACC_Z                =ACC_Z - @pwb_lib.MBX153          22D8
=A_RCVENIN#           =A_RCVENIN# - @pwb_lib.MBX153     10C7
=A_RCVENOUT#          =A_RCVENOUT# - @pwb_lib.MBX153    10C7
=BEEP                 =BEEP - @pwb_lib.MBX153           29D5
=BKL_ON               =BKL_ON - @pwb_lib.MBX153         23D7
=CARD_SCL             =CARD_SCL - @pwb_lib.MBX153       20C7
=CARD_SDA             =CARD_SDA - @pwb_lib.MBX153       20C7
=CFG5                 =CFG5 - @pwb_lib.MBX153           9D3
=CHG_TST              =CHG_TST - @pwb_lib.MBX153        22D6
=CLKREQ_PEG#          =CLKREQ_PEG# - @pwb_lib.MBX153    22A4
=D_PCIE_RST#          =D_PCIE_RST# - @pwb_lib.MBX153    22D6
=D_SUS_ON             =D_SUS_ON - @pwb_lib.MBX153       28D4
=EE_CS                =EE_CS - @pwb_lib.MBX153          17E5
=EE_DIN               =EE_DIN - @pwb_lib.MBX153         17E5
=EE_DOUT              =EE_DOUT - @pwb_lib.MBX153        17E5
=EE_SHCLK             =EE_SHCLK - @pwb_lib.MBX153       17E5
=FPBACK               =FPBACK - @pwb_lib.MBX153         23D4
=GSENSE_PRS#          =GSENSE_PRS# - @pwb_lib.MBX153    22D8
=IDE_RST_F#           =IDE_RST_F# - @pwb_lib.MBX153     24C2
=INTRUDER#            =INTRUDER# - @pwb_lib.MBX153      17C6
=LED_BATT1            =LED_BATT1 - @pwb_lib.MBX153      26C5
=LED_BRIGHTNESS       =LED_BRIGHTNESS - @pwb_lib.MBX153 22C3
=LED_BT               =LED_BT - @pwb_lib.MBX153         29E5
=LED_CAPS             =LED_CAPS - @pwb_lib.MBX153       26B5
=LED_GFX_EXT#         =LED_GFX_EXT# - @pwb_lib.MBX153   22B4
=LED_HDD              =LED_HDD - @pwb_lib.MBX153        26C5
=LED_MUTE#            =LED_MUTE# - @pwb_lib.MBX153      29E5
=LED_NUM              =LED_NUM - @pwb_lib.MBX153        26B5
=LED_PWR              =LED_PWR - @pwb_lib.MBX153        26D5
=LED_SCRL             =LED_SCRL - @pwb_lib.MBX153       26B5
=LED_STNDBY           =LED_STNDBY - @pwb_lib.MBX153     26D5
=LED_WLAN             =LED_WLAN - @pwb_lib.MBX153       29E5
=LED_WWAN             =LED_WWAN - @pwb_lib.MBX153       29E5
=MSK_PCIRST           =MSK_PCIRST - @pwb_lib.MBX153     22C6
=MS_PWON              =MS_PWON - @pwb_lib.MBX153        21D4
=OPT_RST_F#           =OPT_RST_F# - @pwb_lib.MBX153     24C4
=PM_GFX_MGMT0#        =PM_GFX_MGMT0# - @pwb_lib.MBX153  22A4
=RTCX1                =RTCX1 - @pwb_lib.MBX153          17C6
=RTCX2                =RTCX2 - @pwb_lib.MBX153          17C6
=SDRAM_ID<0>          =SDRAM_ID<0> - @pwb_lib.MBX153    17E2
=SDRAM_ID<1>          =SDRAM_ID<1> - @pwb_lib.MBX153    17E2
=SD_PWON              =SD_PWON - @pwb_lib.MBX153        21D4
=SENSEM_CORE          =SENSEM_CORE - @pwb_lib.MBX153    30C2
=SENSEP_CORE          =SENSEP_CORE - @pwb_lib.MBX153    30C2
=SIDE_ON#             =SIDE_ON# - @pwb_lib.MBX153       24D7
=SYS_ID<12>           =SYS_ID<12> - @pwb_lib.MBX153     17E2
=SYS_ID<14>           =SYS_ID<14> - @pwb_lib.MBX153     17D6
=SYS_ID<15>           =SYS_ID<15> - @pwb_lib.MBX153     17D6
=UNDOCK_REQ#          =UNDOCK_REQ# - @pwb_lib.MBX153    22D6
=USB_P5+              =USB_P5+ - @pwb_lib.MBX153        16E6
=USB_P5-              =USB_P5- - @pwb_lib.MBX153        16E6
=VGA_DDCCLK           =VGA_DDCCLK - @pwb_lib.MBX153     28D4
=VGA_DDCDAT           =VGA_DDCDAT - @pwb_lib.MBX153     28D4
=VGA_HSYNC            =VGA_HSYNC - @pwb_lib.MBX153      28D4
=VGA_VSYNC            =VGA_VSYNC - @pwb_lib.MBX153      28D4
=VGTLREF0             =VGTLREF0 - @pwb_lib.MBX153       6C4
=VUSB0                =VUSB0 - @pwb_lib.MBX153          25B6
=VUSB2                =VUSB2 - @pwb_lib.MBX153          25E6
=WL_CH_CLK_PCIE_F     =WL_CH_CLK_PCIE_F - @pwb_lib.MBX153 27D6
A20GATE               A20GATE - @pwb_lib.MBX153         16C4 17D5 22D8
AC_OFF                AC_OFF - @pwb_lib.MBX153          22D1 38B7
AC_STS                AC_STS - @pwb_lib.MBX153          22A3 38A3
AC_STS#               AC_STS# - @pwb_lib.MBX153         33C6 36B8 38B3
ALW_DETECT            ALW_DETECT - @pwb_lib.MBX153      30C2 33A5 35E5
ALW_RST_C#            ALW_RST_C# - @pwb_lib.MBX153      17B3 31C6 33A5 33F6 36B3
                                                        38B7 38C4
AVSS_EC               AVSS_EC - @pwb_lib.MBX153         22A7 22C5 22E4 22F5
AZAUD_BCLK            AZAUD_BCLK - @pwb_lib.MBX153      17E5 29E1
AZAUD_RST#            AZAUD_RST# - @pwb_lib.MBX153      17E5 29E1
AZAUD_SDIN0           AZAUD_SDIN0 - @pwb_lib.MBX153     17E5 29E1
AZAUD_SDOUT           AZAUD_SDOUT - @pwb_lib.MBX153     17E5 29E1
AZAUD_SYNC            AZAUD_SYNC - @pwb_lib.MBX153      17E5 29E1
AZMDC_BCLK            AZMDC_BCLK - @pwb_lib.MBX153      17E5 25C6
AZMDC_RST#            AZMDC_RST# - @pwb_lib.MBX153      17E5 25C6
AZMDC_SDIN1           AZMDC_SDIN1 - @pwb_lib.MBX153     17E5 25C6
AZMDC_SDOUT           AZMDC_SDOUT - @pwb_lib.MBX153     17E5 25C6
AZMDC_SYNC            AZMDC_SYNC - @pwb_lib.MBX153      17E5 25C6
A_A<0>                A_A<0> - @pwb_lib.MBX153          20B1 20E5
A_A<1>                A_A<1> - @pwb_lib.MBX153          20B1 20E5
A_A<2>                A_A<2> - @pwb_lib.MBX153          20B1 20E5
A_A<3>                A_A<3> - @pwb_lib.MBX153          20C3 20E5
A_A<4>                A_A<4> - @pwb_lib.MBX153          20C3 20E5
A_A<5>                A_A<5> - @pwb_lib.MBX153          20C3 20E5
A_A<6>                A_A<6> - @pwb_lib.MBX153          20C3 20E5
A_A<7>                A_A<7> - @pwb_lib.MBX153          20C1 20E5
A_A<8>                A_A<8> - @pwb_lib.MBX153          20C3 20E5
A_A<9>                A_A<9> - @pwb_lib.MBX153          20C3 20E5
A_A<10>               A_A<10> - @pwb_lib.MBX153         20C1 20E5
A_A<11>               A_A<11> - @pwb_lib.MBX153         20C3 20E5
A_A<12>               A_A<12> - @pwb_lib.MBX153         20C1 20E5
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A_A<14>               A_A<14> - @pwb_lib.MBX153         20C1 20E5
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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -		SHEET 42

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Signal Cross Reference (2/6)

REVISIONS				
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A_A<22>	A_A<22> - @pwb_lib.MBX153	20C3 20F5
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A_A<25>	A_A<25> - @pwb_lib.MBX153	20C1 20F5
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A_BVD2	A_BVD2 - @pwb_lib.MBX153	20B3 20D4
A_CD1#	A_CD1# - @pwb_lib.MBX153	20D1 20D5
A_CD2#	A_CD2# - @pwb_lib.MBX153	20B1 20D5
A_CE1#	A_CE1# - @pwb_lib.MBX153	20C1 20D5
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A_IOWR#	A_IOWR# - @pwb_lib.MBX153	20C1 20D5
A_OE#	A_OE# - @pwb_lib.MBX153	20C1 20D5
A_RDY	A_RDY - @pwb_lib.MBX153	20C1 20D5
A_REG#	A_REG# - @pwb_lib.MBX153	20B3 20D5
A_RST	A_RST - @pwb_lib.MBX153	20C1 20D5
A_VS1#	A_VS1# - @pwb_lib.MBX153	20C3 20D5
A_VS2#	A_VS2# - @pwb_lib.MBX153	20C1 20D5
A_WAIT#	A_WAIT# - @pwb_lib.MBX153	20C1 20D5
A_WE#	A_WE# - @pwb_lib.MBX153	20C1 20D5
A_WP#	A_WP# - @pwb_lib.MBX153	20B3 20D5
BATT1_PRS#	BATT1_PRS# - @pwb_lib.MBX153	22D8 37B4
BOOT_MODE#	BOOT_MODE# - @pwb_lib.MBX153	22C1 40E2
BTN_AVMODE#	BTN_AVMODE# - @pwb_lib.MBX153	22D1 26E7
BTN_MUTE#	BTN_MUTE# - @pwb_lib.MBX153	22D1 29E5
BTN_NEXT#	BTN_NEXT# - @pwb_lib.MBX153	22D1 26E7
BTN_OPT#	BTN_OPT# - @pwb_lib.MBX153	22B3 26E7
BTN_PLAY#	BTN_PLAY# - @pwb_lib.MBX153	22D1 26E7
BTN_PREV#	BTN_PREV# - @pwb_lib.MBX153	22D1 26E7
BTN_STOP#	BTN_STOP# - @pwb_lib.MBX153	22D1 26E7
BTN_VOLDWN#	BTN_VOLDWN# - @pwb_lib.MBX153	22D1 29E5
BTN_VOLUP#	BTN_VOLUP# - @pwb_lib.MBX153	22D1 29E5
BT_ON	BT_ON - @pwb_lib.MBX153	22A6 29C8 29E5
BT_PRS#	BT_PRS# - @pwb_lib.MBX153	22A6 29E5
CAM_OFF	CAM_OFF - @pwb_lib.MBX153	22A3 22D1
CHGLMT_35	CHGLMT_35 - @pwb_lib.MBX153	36B6 37E8
CHGLMT_CHK	CHGLMT_CHK - @pwb_lib.MBX153	23A8 23E8 36C8 37E8 40D7
CHG_OFF#	CHG_OFF# - @pwb_lib.MBX153	22D1 37C8
CHG_V_HI	CHG_V_HI - @pwb_lib.MBX153	22B3 37D8
CHK_+1.05VRUN	CHK_+1.05VRUN - @pwb_lib.MBX153	31C1 40D7
CHK_+1.5VRUN	CHK_+1.5VRUN - @pwb_lib.MBX153	31D7 40D7
CHK_+1.8VSUS	CHK_+1.8VSUS - @pwb_lib.MBX153	32B3 40E7
CHK_+3VALW	CHK_+3VALW - @pwb_lib.MBX153	33D1 40E7
CHK_+5VALW	CHK_+5VALW - @pwb_lib.MBX153	33D8 40E7
CHK_+VBATT1	CHK_+VBATT1 - @pwb_lib.MBX153	37E1 40E7
CHK_+VCPUCORE	CHK_+VCPUCORE - @pwb_lib.MBX153	30C1 40D7
CHK_+VTTDDR	CHK_+VTTDDR - @pwb_lib.MBX153	32E3 40D7
CLKREQ_MCH#	CLKREQ_MCH# - @pwb_lib.MBX153	8D2 9D5
CLKREQ_MNCD#	CLKREQ_MNCD# - @pwb_lib.MBX153	8D2 27D6
CLK_BSEL0	CLK_BSEL0 - @pwb_lib.MBX153	6C4 8B5 9D3
CLK_BSEL1	CLK_BSEL1 - @pwb_lib.MBX153	6C4 8B5 9D3
CLK_BSEL2	CLK_BSEL2 - @pwb_lib.MBX153	6C4 9D3
CLK_CARD	CLK_CARD - @pwb_lib.MBX153	8C2 20D7
CLK_CPU_BCLK+	CLK_CPU_BCLK+ - @pwb_lib.MBX153	6C5 8E2
CLK_CPU_BCLK-	CLK_CPU_BCLK- - @pwb_lib.MBX153	6C5 8E2
CLK_DEBUG_1	CLK_DEBUG_1 - @pwb_lib.MBX153	8C2 40D2
CLK_DEBUG_2	CLK_DEBUG_2 - @pwb_lib.MBX153	8C2 40D2
CLK_DREFCLK+	CLK_DREFCLK+ - @pwb_lib.MBX153	8D2 9D1
CLK_DREFCLK-	CLK_DREFCLK- - @pwb_lib.MBX153	8D2 9D1
CLK_DREF_SS+	CLK_DREF_SS+ - @pwb_lib.MBX153	8D2 9D1
CLK_DREF_SS-	CLK_DREF_SS- - @pwb_lib.MBX153	8D2 9D1
CLK_EC	CLK_EC - @pwb_lib.MBX153	8C2 22E8
CLK_ENABLE#	CLK_ENABLE# - @pwb_lib.MBX153	8D7 30B5
CLK_ICH14	CLK_ICH14 - @pwb_lib.MBX153	8C2 17E5
CLK_ITP+	CLK_ITP+ - @pwb_lib.MBX153	8E2 40B6
CLK_ITP-	CLK_ITP- - @pwb_lib.MBX153	8E2 40B3
CLK_MCH_BCLK+	CLK_MCH_BCLK+ - @pwb_lib.MBX153	8E2 9C8
CLK_MCH_BCLK-	CLK_MCH_BCLK- - @pwb_lib.MBX153	8E2 9C8

CLK_MCH_GPLL+	CLK_MCH_GPLL+ - @pwb_lib.MBX153	8D2 9D1
CLK_MCH_GPLL-	CLK_MCH_GPLL- - @pwb_lib.MBX153	8D2 9D1
CLK_MS48	CLK_MS48 - @pwb_lib.MBX153	8C2 21C7
CLK_PCIE_ICH+	CLK_PCIE_ICH+ - @pwb_lib.MBX153	8D2 16E8
CLK_PCIE_ICH-	CLK_PCIE_ICH- - @pwb_lib.MBX153	8D2 16E8
CLK_PCIE_MNCD+	CLK_PCIE_MNCD+ - @pwb_lib.MBX153	8D2 27D6
CLK_PCIE_MNCD-	CLK_PCIE_MNCD- - @pwb_lib.MBX153	8D2 27D6
CLK_PCI_ICH	CLK_PCI_ICH - @pwb_lib.MBX153	8C2 16E3
CLK_TPM	CLK_TPM - @pwb_lib.MBX153	8C2 22F8
CLK_USB48	CLK_USB48 - @pwb_lib.MBX153	8C2 16D5
CPU_VCCSENSE	CPU_VCCSENSE - @pwb_lib.MBX153	7C6 30B8
CPU_VSSSENSE	CPU_VSSSENSE - @pwb_lib.MBX153	7C6 30B8
DCIN_FET_GATE#	DCIN_FET_GATE# - @pwb_lib.MBX153	37C3 38D1
DC_IN_CHK	DC_IN_CHK - @pwb_lib.MBX153	38E5 40E7
DMI_RX0+	DMI_RX0+ - @pwb_lib.MBX153	9D2 16E8
DMI_RX0-	DMI_RX0- - @pwb_lib.MBX153	9D2 16E8
DMI_RX1+	DMI_RX1+ - @pwb_lib.MBX153	9D2 16E8
DMI_RX1-	DMI_RX1- - @pwb_lib.MBX153	9D2 16E8
DMI_TX0+	DMI_TX0+ - @pwb_lib.MBX153	9D2 16E8
DMI_TX0-	DMI_TX0- - @pwb_lib.MBX153	9D2 16E8
DMI_TX1+	DMI_TX1+ - @pwb_lib.MBX153	9D2 16E8
DMI_TX1-	DMI_TX1- - @pwb_lib.MBX153	9D2 16E8
DOCKED#	DOCKED# - @pwb_lib.MBX153	22B3 28A8 28D4 36C8
D_PWRGD	D_PWRGD - @pwb_lib.MBX153	22B3 28C4
EC_RXD	EC_RXD - @pwb_lib.MBX153	22C8 40E2
EC_TXD	EC_TXD - @pwb_lib.MBX153	22C8 40E2
EN_EXT_DEV_SENSE#	EN_EXT_DEV_SENSE# - @pwb_lib.MBX153	22C8 28D4
EXTCOM_PRS0#	EXTCOM_PRS0# - @pwb_lib.MBX153	22B3 27A7
EXTCOM_PRS1#	EXTCOM_PRS1# - @pwb_lib.MBX153	22B3 27A7
EXTCOM_PWREN	EXTCOM_PWREN - @pwb_lib.MBX153	22B3 27B7 29E8
EXTSMI#	EXTSMI# - @pwb_lib.MBX153	17E1 22E8
EXT_DEV_SENSE	EXT_DEV_SENSE - @pwb_lib.MBX153	22C8 28D4
FAN_PWM	FAN_PWM - @pwb_lib.MBX153	6A5 22E1
FB_BKL	FB_BKL - @pwb_lib.MBX153	23B8 40E7
FP_PRS#	FP_PRS# - @pwb_lib.MBX153	17E1 29E5
FWH_EN	FWH_EN - @pwb_lib.MBX153	16E3 40D2
FWH_INIT#	FWH_INIT# - @pwb_lib.MBX153	17D5 40D2
GFX_VGA_BLU	GFX_VGA_BLU - @pwb_lib.MBX153	13D2 28E5
GFX_VGA_DDCCLK	GFX_VGA_DDCCLK - @pwb_lib.MBX153	13D3 28B8
GFX_VGA_DDCDATA	GFX_VGA_DDCDATA - @pwb_lib.MBX153	13D3 28B8
GFX_VGA_GRN	GFX_VGA_GRN - @pwb_lib.MBX153	13D2 28E5
GFX_VGA_HSYNC	GFX_VGA_HSYNC - @pwb_lib.MBX153	13D3 28D8
GFX_VGA_RED	GFX_VGA_RED - @pwb_lib.MBX153	13D2 28E5
GFX_VGA_VSYNC	GFX_VGA_VSYNC - @pwb_lib.MBX153	13D3 28C8
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H_BPRI#	H_BPRI# - @pwb_lib.MBX153	6E5 9D6
H_BREQ#0	H_BREQ#0 - @pwb_lib.MBX153	6D5 9D6
H_CPURST#	H_CPURST# - @pwb_lib.MBX153	6D5 9D6 40B3
H_CPUSLP_MCH#	H_CPUSLP_MCH# - @pwb_lib.MBX153	6C1 9C6
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H_D#<6>	H_D#<6> - @pwb_lib.MBX153	6E4 9E8
H_D#<7>	H_D#<7> - @pwb_lib.MBX153	6E4 9E8
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- / -	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER - -		SHEET 43 / 43

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Signal Cross Reference (3/6)

H_D#<10>	H_D#<10> - @pwb_lib.MBX153	6D4 9E8
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H_D#<13>	H_D#<13> - @pwb_lib.MBX153	6D4 9E8
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H_D#<19>	H_D#<19> - @pwb_lib.MBX153	6D4 9E8
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H_D#<54>	H_D#<54> - @pwb_lib.MBX153	6D2 9D8
H_D#<55>	H_D#<55> - @pwb_lib.MBX153	6D2 9D8
H_D#<56>	H_D#<56> - @pwb_lib.MBX153	6A1 6D2 9D8
H_D#<57>	H_D#<57> - @pwb_lib.MBX153	6D2 9D8
H_D#<58>	H_D#<58> - @pwb_lib.MBX153	6D2 9D8
H_D#<59>	H_D#<59> - @pwb_lib.MBX153	6D2 9C8
H_D#<60>	H_D#<60> - @pwb_lib.MBX153	6D2 9C8
H_D#<61>	H_D#<61> - @pwb_lib.MBX153	6D2 9C8
H_D#<62>	H_D#<62> - @pwb_lib.MBX153	6C2 9C8
H_D#<63>	H_D#<63> - @pwb_lib.MBX153	6C2 9C8
H_DBSY#	H_DBSY# - @pwb_lib.MBX153	6E5 9D6
H_DEFER#	H_DEFER# - @pwb_lib.MBX153	6E5 9D6
H_DINV#<0>	H_DINV#<0> - @pwb_lib.MBX153	6D4 9D6
H_DINV#<1>	H_DINV#<1> - @pwb_lib.MBX153	6C4 9D6
H_DINV#<2>	H_DINV#<2> - @pwb_lib.MBX153	6D2 9D6
H_DINV#<3>	H_DINV#<3> - @pwb_lib.MBX153	6C2 9D6
H_DPRSTP#	H_DPRSTP# - @pwb_lib.MBX153	6A1 6C1 17D5
H_DPSLP#	H_DPSLP# - @pwb_lib.MBX153	6B1 6C1 17D5
H_DPWR#	H_DPWR# - @pwb_lib.MBX153	6C1 9D6
H_DRDY#	H_DRDY# - @pwb_lib.MBX153	6E5 9D6
H_DSTB0#+	H_DSTB0#+ - @pwb_lib.MBX153	6D4 9D6
H_DSTB0#-	H_DSTB0#- - @pwb_lib.MBX153	6D4 9D6
H_DSTB1#+	H_DSTB1#+ - @pwb_lib.MBX153	6C4 9D6
H_DSTB1#-	H_DSTB1#- - @pwb_lib.MBX153	6C4 9D6
H_DSTB2#+	H_DSTB2#+ - @pwb_lib.MBX153	6D2 9C5 9D6
H_DSTB2#-	H_DSTB2#- - @pwb_lib.MBX153	6D2 9C5 9D6
H_DSTB3#+	H_DSTB3#+ - @pwb_lib.MBX153	6A1 6C2 9D6
H_DSTB3#-	H_DSTB3#- - @pwb_lib.MBX153	6A1 6C2 9D6
H_FERR#	H_FERR# - @pwb_lib.MBX153	6C8 17D5
H_HIT#	H_HIT# - @pwb_lib.MBX153	6D5 9C6
H_HITM#	H_HITM# - @pwb_lib.MBX153	6D5 9C6
H_IGNNE#	H_IGNNE# - @pwb_lib.MBX153	6C8 17D5
H_INIT#	H_INIT# - @pwb_lib.MBX153	6B1 6D5 17D5
H_INTR	H_INTR - @pwb_lib.MBX153	6B1 6C8 17D5
H_LOCK#	H_LOCK# - @pwb_lib.MBX153	6D5 9C6
H_NMI	H_NMI - @pwb_lib.MBX153	6B1 6C8 17D5
H_PROCHOT#	H_PROCHOT# - @pwb_lib.MBX153	6C5 6F3 30B5
H_PROCHOT_EC#	H_PROCHOT_EC# - @pwb_lib.MBX153	6F5 22A6
H_PWRGDCPU	H_PWRGDCPU - @pwb_lib.MBX153	6C1 17E1
H_REQ#<0>	H_REQ#<0> - @pwb_lib.MBX153	6D8 9C6
H_REQ#<1>	H_REQ#<1> - @pwb_lib.MBX153	6D8 9C6
H_REQ#<2>	H_REQ#<2> - @pwb_lib.MBX153	6B1 6D8 9C6
H_REQ#<3>	H_REQ#<3> - @pwb_lib.MBX153	6D8 9C6
H_REQ#<4>	H_REQ#<4> - @pwb_lib.MBX153	6D8 9C6
H_RS#<0>	H_RS#<0> - @pwb_lib.MBX153	6D5 9C6
H_RS#<1>	H_RS#<1> - @pwb_lib.MBX153	6D5 9C6
H_RS#<2>	H_RS#<2> - @pwb_lib.MBX153	6D5 9C6
H_RST_CPU#	H_RST_CPU# - @pwb_lib.MBX153	16C4 17D5 22D8

H_SMI#	H_SMI# - @pwb_lib.MBX153	6B1 6C8 17D5
H_STPCLK#	H_STPCLK# - @pwb_lib.MBX153	6B1 6C8 17D5
H_TRDY#	H_TRDY# - @pwb_lib.MBX153	6D5 9C6
H_VID<0>	H_VID<0> - @pwb_lib.MBX153	7C6 30E8
H_VID<1>	H_VID<1> - @pwb_lib.MBX153	7C6 30E8
H_VID<2>	H_VID<2> - @pwb_lib.MBX153	7C6 30E8
H_VID<3>	H_VID<3> - @pwb_lib.MBX153	7C6 30E8
H_VID<4>	H_VID<4> - @pwb_lib.MBX153	7C6 30E8
H_VID<5>	H_VID<5> - @pwb_lib.MBX153	7C6 30E8
H_VID<6>	H_VID<6> - @pwb_lib.MBX153	7C6 30D8
H_XRCOMP	H_XRCOMP - @pwb_lib.MBX153	9B7 9C8
H_XSCOMP	H_XSCOMP - @pwb_lib.MBX153	9B7 9C8
H_XSWING	H_XSWING - @pwb_lib.MBX153	9B5 9C8
H_YRCOMP	H_YRCOMP - @pwb_lib.MBX153	9B6 9C8
H_YSCOMP	H_YSCOMP - @pwb_lib.MBX153	9B6 9C8
H_YSWING	H_YSWING - @pwb_lib.MBX153	9A5 9C8
ICH_PWROK	ICH_PWROK - @pwb_lib.MBX153	9D5 17B1 17D1
ICH_PWROK_EC	ICH_PWROK_EC - @pwb_lib.MBX153	17B3 22D1
ICH_SPI_CLK	ICH_SPI_CLK - @pwb_lib.MBX153	17B4 17E5
ICH_SPI_CS#	ICH_SPI_CS# - @pwb_lib.MBX153	17B6 17E5
ICH_SPI_MISO	ICH_SPI_MISO - @pwb_lib.MBX153	17B6 17E5
ICH_SPI_MOSI	ICH_SPI_MOSI - @pwb_lib.MBX153	17B4 17E5
IDE_PDADR<0>	IDE_PDADR<0> - @pwb_lib.MBX153	17E8 24D5
IDE_PDADR<1>	IDE_PDADR<1> - @pwb_lib.MBX153	17E8 24D5
IDE_PDADR<2>	IDE_PDADR<2> - @pwb_lib.MBX153	17E8 24D5
IDE_PDCS0#	IDE_PDCS0# - @pwb_lib.MBX153	17D8 24D5
IDE_PDCS1#	IDE_PDCS1# - @pwb_lib.MBX153	17D8 24D5
IDE_PDDACK#	IDE_PDDACK# - @pwb_lib.MBX153	17E8 24D1
IDE_PDDREQ_5	IDE_PDDREQ_5 - @pwb_lib.MBX153	17E8 24D1
IDE_PDD_5<0>	IDE_PDD_5<0> - @pwb_lib.MBX153	17E8 24D1
IDE_PDD_5<1>	IDE_PDD_5<1> - @pwb_lib.MBX153	17E8 24D1
IDE_PDD_5<2>	IDE_PDD_5<2> - @pwb_lib.MBX153	17E8 24D1
IDE_PDD_5<3>	IDE_PDD_5<3> - @pwb_lib.MBX153	17E8 24D1
IDE_PDD_5<4>	IDE_PDD_5<4> - @pwb_lib.MBX153	17E8 24C1
IDE_PDD_5<5>	IDE_PDD_5<5> - @pwb_lib.MBX153	17E8 24C1
IDE_PDD_5<6>	IDE_PDD_5<6> - @pwb_lib.MBX153	17E8 24C1
IDE_PDD_5<7>	IDE_PDD_5<7> - @pwb_lib.MBX153	17E8 24C1
IDE_PDD_5<8>	IDE_PDD_5<8> - @pwb_lib.MBX153	17E8 24C5
IDE_PDD_5<9>	IDE_PDD_5<9> - @pwb_lib.MBX153	17E8 24C5
IDE_PDD_5<10>	IDE_PDD_5<10> - @pwb_lib.MBX153	17E8 24C5
IDE_PDD_5<11>	IDE_PDD_5<11> - @pwb_lib.MBX153	17E8 24C5
IDE_PDD_5<12>	IDE_PDD_5<12> - @pwb_lib.MBX153	17E8 24D5
IDE_PDD_5<13>	IDE_PDD_5<13> - @pwb_lib.MBX153	17E8 24D5
IDE_PDD_5<14>	IDE_PDD_5<14> - @pwb_lib.MBX153	17E8 24D5
IDE_PDD_5<15>	IDE_PDD_5<15> - @pwb_lib.MBX153	17E8 24D5
IDE_PDIOR#	IDE_PDIOR# - @pwb_lib.MBX153	17E8 24D1
IDE_PDIORDY	IDE_PDIORDY - @pwb_lib.MBX153	17E8 24D1
IDE_PDIOW#	IDE_PDIOW# - @pwb_lib.MBX153	17E8 24D1
IDE_RST_5#	IDE_RST_5# - @pwb_lib.MBX153	22A3 22D1 24B8
IDSELCB	IDSELCB - @pwb_lib.MBX153	20C4 20D7
IMVP_OTP_1	IMVP_OTP_1 - @pwb_lib.MBX153	30B8 30E2
IMVP_PWRGD	IMVP_PWRGD - @pwb_lib.MBX153	17D1 22A3 30B4 30B5
INT_IDEIRQ	INT_IDEIRQ - @pwb_lib.MBX153	16B4 17D8 24D1
INT_PIRQA#	INT_PIRQA# - @pwb_lib.MBX153	16B4 16D3
INT_PIRQB#	INT_PIRQB# - @pwb_lib.MBX153	16B4 16D3
INT_PIRQC#	INT_PIRQC# - @pwb_lib.MBX153	16C4 16D3
INT_PIRQD#	INT_PIRQD# - @pwb_lib.MBX153	16C4 16D3
INT_PIRQE#	INT_PIRQE# - @pwb_lib.MBX153	16B4 16D3 20C7
INT_PIRQF#	INT_PIRQF# - @pwb_lib.MBX153	16B4 16D3 19D7
INT_PIRQG#	INT_PIRQG# - @pwb_lib.MBX153	16B4 16D3 21C7
INT_PIRQH#	INT_PIRQH# - @pwb_lib.MBX153	16B4 16D3
INT_SERIRQ	INT_SERIRQ - @pwb_lib.MBX153	16B4 17D5 20C7 22E8 40D4
IS_OUT	IS_OUT - @pwb_lib.MBX153	36E3 38C7
ITP_BPM#<0>	ITP_BPM#<0> - @pwb_lib.MBX153	6D5 40B6
ITP_BPM#<1>	ITP_BPM#<1> - @pwb_lib.MBX153	6D5 40B6
ITP_BPM#<2>	ITP_BPM#<2> - @pwb_lib.MBX153	6D5 40B6
ITP_BPM#<3>	ITP_BPM#<3> - @pwb_lib.MBX153	6D5 40B6
ITP_BPM#<4>	ITP_BPM#<4> - @pwb_lib.MBX153	6D5 40B6
ITP_BPM#<5>	ITP_BPM#<5> - @pwb_lib.MBX153	6D5 40B6
ITP_DBRST#	ITP_DBRST# - @pwb_lib.MBX153	6C5 17D1 40C6
ITP_TCK	ITP_TCK - @pwb_lib.MBX153	6D5 40B6 40B6
ITP_TDI	ITP_TDI - @pwb_lib.MBX153	6D5 40B6
ITP_TDO	ITP_TDO - @pwb_lib.MBX153	6D5 40B6
ITP_TMS	ITP_TMS - @pwb_lib.MBX153	6D5 40B3
ITP_TRST#	ITP_TRST# - @pwb_lib.MBX153	6C5 40B6
KSI<0>	KSI<0> - @pwb_lib.MBX153	22E1 26B1
KSI<1>	KSI<1> - @pwb_lib.MBX153	22E1 26B1
KSI<2>	KSI<2> - @pwb_lib.MBX153	22E1 26B1
KSI<3>	KSI<3> - @pwb_lib.MBX153	22E1 26B1
KSI<4>	KSI<4> - @pwb_lib.MBX153	22E1 26B1
KSI<5>	KSI<5> - @pwb_lib.MBX153	22E1 26B1
KSI<6>	KSI<6> - @pwb_lib.MBX153	22E1 26B1
KSI<7>	KSI<7> - @pwb_lib.MBX153	22E1 26B1
KSO<0>	KSO<0> - @pwb_lib.MBX153	22B6 26B1
KSO<1>	KSO<1> - @pwb_lib.MBX153	22B6 26C1
KSO<2>	KSO<2> - @pwb_lib.MBX153	22B6 26B1
KSO<3>	KSO<3> - @pwb_lib.MBX153	22B6 26B1
KSO<4>	KSO<4> - @pwb_lib.MBX153	22B6 26C1
KSO<5>	KSO<5> - @pwb_lib.MBX153	22B6 26B1
KSO<6>	KSO<6> - @pwb_lib.MBX153	22B6 26B1
KSO<7>	KSO<7> - @pwb_lib.MBX153	22B6 26B1
KSO<8>	KSO<8> - @pwb_lib.MBX153	22B6 26B1

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -

SIZE C | DESIGNER - - | SHEET 44

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Text Stamp

*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Signal Cross Reference (4/6)

KSO<9>	KSO<9> - @pwb_lib.MBX153	22B6 26B1
KSO<10>	KSO<10> - @pwb_lib.MBX153	22B6 26B1
KSO<11>	KSO<11> - @pwb_lib.MBX153	22B6 26B1
KSO<12>	KSO<12> - @pwb_lib.MBX153	22A6 26B1
KSO<13>	KSO<13> - @pwb_lib.MBX153	22A6 26B1
KSO<14>	KSO<14> - @pwb_lib.MBX153	22A6 26B1
KSO<15>	KSO<15> - @pwb_lib.MBX153	22A6 26B1
LAN_CLK	LAN_CLK - @pwb_lib.MBX153	17D5 28D4
LAN_RSTSYNC	LAN_RSTSYNC - @pwb_lib.MBX153	17D5 28D4
LAN_RXD0	LAN_RXD0 - @pwb_lib.MBX153	17D5 28D4
LAN_RXD1	LAN_RXD1 - @pwb_lib.MBX153	17D5 28D4
LAN_RXD2	LAN_RXD2 - @pwb_lib.MBX153	17D5 28D4
LAN_TXD0	LAN_TXD0 - @pwb_lib.MBX153	17D5 28D4
LAN_TXD1	LAN_TXD1 - @pwb_lib.MBX153	17D5 28D4
LAN_TXD2	LAN_TXD2 - @pwb_lib.MBX153	17D5 28D4
LCD_BKLCTR	LCD_BKLCTR - @pwb_lib.MBX153	13E7 23A8
LCD_BKLEN	LCD_BKLEN - @pwb_lib.MBX153	13E7 23D8
LCD_PNLEN	LCD_PNLEN - @pwb_lib.MBX153	13E7 23E4
LDO8744	LDO8744 - @pwb_lib.MBX153	33C3 33C6 33D5 33E4
LED_BATT1#	LED_BATT1# - @pwb_lib.MBX153	22D8 26D7
LED_CAPS#	LED_CAPS# - @pwb_lib.MBX153	22D8 26B7
LED_MS_SD	LED_MS_SD - @pwb_lib.MBX153	21D4 25C6
LED_MUTE#	LED_MUTE# - @pwb_lib.MBX153	22B3 29E8
LED_NUM#	LED_NUM# - @pwb_lib.MBX153	22D8 26C7
LED_PWR#	LED_PWR# - @pwb_lib.MBX153	22D8 26D7
LED_RTN	LED_RTN - @pwb_lib.MBX153	22C1 25C6 26E7 29E5
LED_SCRL#	LED_SCRL# - @pwb_lib.MBX153	22D8 26B7
LED_STNDBY#	LED_STNDBY# - @pwb_lib.MBX153	22D8 26D7
LED_WLAN#	LED_WLAN# - @pwb_lib.MBX153	27D1 29D8
LED_WWAN#	LED_WWAN# - @pwb_lib.MBX153	27B7 29D8
LINKALERT#	LINKALERT# - @pwb_lib.MBX153	16D3 17D6
LPC_AD<0>	LPC_AD<0> - @pwb_lib.MBX153	17E5 22E8 40E4
LPC_AD<1>	LPC_AD<1> - @pwb_lib.MBX153	17E5 22E8 40E4
LPC_AD<2>	LPC_AD<2> - @pwb_lib.MBX153	17E5 22E8 40D4
LPC_AD<3>	LPC_AD<3> - @pwb_lib.MBX153	17E5 22E8 40D4
LPC_DRQ0#	LPC_DRQ0# - @pwb_lib.MBX153	17E5 40D4
LPC_FRAME#	LPC_FRAME# - @pwb_lib.MBX153	17E5 22E8 40D4
LVDS_TXL0+	LVDS_TXL0+ - @pwb_lib.MBX153	13D6 29B4
LVDS_TXL0-	LVDS_TXL0- - @pwb_lib.MBX153	13D6 29B4
LVDS_TXL1+	LVDS_TXL1+ - @pwb_lib.MBX153	13D6 29B4
LVDS_TXL1-	LVDS_TXL1- - @pwb_lib.MBX153	13D6 29B4
LVDS_TXL2+	LVDS_TXL2+ - @pwb_lib.MBX153	13D6 29B4
LVDS_TXL2-	LVDS_TXL2- - @pwb_lib.MBX153	13D6 29B4
LVDS_TXLCK+	LVDS_TXLCK+ - @pwb_lib.MBX153	13D6 29B4
LVDS_TXLCK-	LVDS_TXLCK- - @pwb_lib.MBX153	13D6 29B4
MCH_ICH_SYNC#	MCH_ICH_SYNC# - @pwb_lib.MBX153	9D5 17E1
MNCD_RF_OFF#	MNCD_RF_OFF# - @pwb_lib.MBX153	22A6 27D3
MODEL_ID_EC<0>	MODEL_ID_EC<0> - @pwb_lib.MBX153	22A3 22D1
MON_3.3V	MON_3.3V - @pwb_lib.MBX153	27A7 39F4
MSK_FPBACK_5#	MSK_FPBACK_5# - @pwb_lib.MBX153	22A3 22D1 23D8
MS_BS	MS_BS - @pwb_lib.MBX153	21D4 25B6
MS_DATA0	MS_DATA0 - @pwb_lib.MBX153	21D4 25B6
MS_DATA1	MS_DATA1 - @pwb_lib.MBX153	21D4 25B6
MS_DATA2	MS_DATA2 - @pwb_lib.MBX153	21D4 25B6
MS_DATA3	MS_DATA3 - @pwb_lib.MBX153	21C4 25B6
MS_DETECT#	MS_DETECT# - @pwb_lib.MBX153	21D4 25B6
MS_SCLK	MS_SCLK - @pwb_lib.MBX153	21C4 25B6
M_A_A<0>	M_A_A<0> - @pwb_lib.MBX153	10D4 14E8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<1>	M_A_A<1> - @pwb_lib.MBX153	10D4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<2>	M_A_A<2> - @pwb_lib.MBX153	10D4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<3>	M_A_A<3> - @pwb_lib.MBX153	10D4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<4>	M_A_A<4> - @pwb_lib.MBX153	10D4 14E8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<5>	M_A_A<5> - @pwb_lib.MBX153	10D4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_A<6>	M_A_A<6> - @pwb_lib.MBX153	10D4 14D8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<7>	M_A_A<7> - @pwb_lib.MBX153	10D4 14D8 15A5 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<8>	M_A_A<8> - @pwb_lib.MBX153	10D4 14E8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<9>	M_A_A<9> - @pwb_lib.MBX153	10D4 14E8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<10>	M_A_A<10> - @pwb_lib.MBX153	10D4 14D8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<11>	M_A_A<11> - @pwb_lib.MBX153	10D4 14E8 15A5 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<12>	M_A_A<12> - @pwb_lib.MBX153	10D4 14D8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_A<13>	M_A_A<13> - @pwb_lib.MBX153	10D4 14E8 15C3 15C5 15C6 15C8 15E3 15E5 15E6 15E8
M_A_BS<0>	M_A_BS<0> - @pwb_lib.MBX153	10C4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_BS<1>	M_A_BS<1> - @pwb_lib.MBX153	10C4 14D8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_BS<2>	M_A_BS<2> - @pwb_lib.MBX153	10C4 14E8 15B3 15B5 15B6

M_A_CAS#	M_A_CAS# - @pwb_lib.MBX153	15B8 15E3 15E5 15E6 15E8 10C4 14F8 15B3 15B5 15B6 15B8 15E3 15E5 15E6 15E8
M_A_DM<0>	M_A_DM<0> - @pwb_lib.MBX153	10E4 14C5 14E1
M_A_DM<1>	M_A_DM<1> - @pwb_lib.MBX153	10E4 14C5 14E1
M_A_DM<2>	M_A_DM<2> - @pwb_lib.MBX153	10E4 14C5 14D1
M_A_DM<3>	M_A_DM<3> - @pwb_lib.MBX153	10E4 14B5 14D3
M_A_DM<4>	M_A_DM<4> - @pwb_lib.MBX153	10E4 14B5 14C1
M_A_DM<5>	M_A_DM<5> - @pwb_lib.MBX153	10E4 14B3 14B5
M_A_DM<6>	M_A_DM<6> - @pwb_lib.MBX153	10E4 14A5 14B1
M_A_DM<7>	M_A_DM<7> - @pwb_lib.MBX153	10E4 14A5 14B3
M_A_DM_R<0>	M_A_DM_R<0> - @pwb_lib.MBX153	14C4 15A6 15B6 15E6
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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER - -		SHEET 45

45

http://hobi-elektronika.net

Text Stamp

*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Signal Cross Reference (5/6)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

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M_CKE0	M_CKE0 - @pwb_lib.MBX153	9E3 14E8 15A5 15D3 15D5 15D6 15D8
M_CKE1	M_CKE1 - @pwb_lib.MBX153	9E3 14E8 15A5 15B3 15B5 15B6 15B8
M_CKE2	M_CKE2 - @pwb_lib.MBX153	9E3 14D3 14F7
M_CKE3	M_CKE3 - @pwb_lib.MBX153	9E3 14D1 14F7
M_CLK0+	M_CLK0+ - @pwb_lib.MBX153	9F3 15B6 15B8 15D6 15D7 15D8
M_CLK0-	M_CLK0- - @pwb_lib.MBX153	9E3 15B6 15B8 15D6 15D7 15D8
M_CLK1+	M_CLK1+ - @pwb_lib.MBX153	9F3 15B3 15B5 15D3 15D3 15D5
M_CLK1-	M_CLK1- - @pwb_lib.MBX153	9E3 15B3 15B5 15D3 15D3 15D5
M_CLK2+	M_CLK2+ - @pwb_lib.MBX153	9F3 14B1
M_CLK2-	M_CLK2- - @pwb_lib.MBX153	9E3 14B1
M_CLK3+	M_CLK3+ - @pwb_lib.MBX153	9F3 14E1
M_CLK3-	M_CLK3- - @pwb_lib.MBX153	9E3 14E1
M_CS#0	M_CS#0 - @pwb_lib.MBX153	9E3 14E8 15A5 15E3 15E5 15E6 15E8
M_CS#1	M_CS#1 - @pwb_lib.MBX153	9E3 14E8 15A5 15B3 15B5 15B6 15B8
M_CS#2	M_CS#2 - @pwb_lib.MBX153	9E3 14C1 14D7
M_CS#3	M_CS#3 - @pwb_lib.MBX153	9E3 14C3 14D7
M_ODT0	M_ODT0 - @pwb_lib.MBX153	9E3 14E8 15D3 15D5 15D6 15D8
M_ODT1	M_ODT1 - @pwb_lib.MBX153	9E3 14E8 15B3 15B5 15B6 15B8
M_ODT2	M_ODT2 - @pwb_lib.MBX153	9E3 14C1 14D7
M_ODT3	M_ODT3 - @pwb_lib.MBX153	9E3 14C3 14D7
M_RCOMPN	M_RCOMPN - @pwb_lib.MBX153	9B4 9E3
M_RCOMPP	M_RCOMPP - @pwb_lib.MBX153	9B4 9E3
OPT_BUSSW_ON#	OPT_BUSSW_ON# - @pwb_lib.MBX153	22B3 24D5
OPT_OFF#	OPT_OFF# - @pwb_lib.MBX153	22A6 24D8
OPT_RST#	OPT_RST# - @pwb_lib.MBX153	22B3 24C8
OTP_IN	OTP_IN - @pwb_lib.MBX153	7B2 30A7 36C1 39E8
PANEL_ID<0>	PANEL_ID<0> - @pwb_lib.MBX153	16A4 17D6 29B4
PANEL_ID<1>	PANEL_ID<1> - @pwb_lib.MBX153	16A4 17E1 23F8 29B4
PCIE_MNCD_RX+	PCIE_MNCD_RX+ - @pwb_lib.MBX153	16E8 27D7
PCIE_MNCD_RX-	PCIE_MNCD_RX- - @pwb_lib.MBX153	16E8 27D7
PCIE_MNCD_TX+	PCIE_MNCD_TX+ - @pwb_lib.MBX153	16D8 27D7
PCIE_MNCD_TX-	PCIE_MNCD_TX- - @pwb_lib.MBX153	16E8 27D7
PCIE_WAKE#	PCIE_WAKE# - @pwb_lib.MBX153	17B8 27D6
PCIE_WAKE_F#	PCIE_WAKE_F# - @pwb_lib.MBX153	16C3 17B7 17D1 17E1
PCI_AD<0>	PCI_AD<0> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<1>	PCI_AD<1> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<2>	PCI_AD<2> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<3>	PCI_AD<3> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<4>	PCI_AD<4> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<5>	PCI_AD<5> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<6>	PCI_AD<6> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<7>	PCI_AD<7> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<8>	PCI_AD<8> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<9>	PCI_AD<9> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<10>	PCI_AD<10> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<11>	PCI_AD<11> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<12>	PCI_AD<12> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<13>	PCI_AD<13> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<14>	PCI_AD<14> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<15>	PCI_AD<15> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<16>	PCI_AD<16> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<17>	PCI_AD<17> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<18>	PCI_AD<18> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<19>	PCI_AD<19> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<20>	PCI_AD<20> - @pwb_lib.MBX153	16E1 20C5 20E7
PCI_AD<21>	PCI_AD<21> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<22>	PCI_AD<22> - @pwb_lib.MBX153	16E1 20E7
PCI_AD<23>	PCI_AD<23> - @pwb_lib.MBX153	16E1 20F7
PCI_AD<24>	PCI_AD<24> - @pwb_lib.MBX153	16E1 20F7
PCI_AD<25>	PCI_AD<25> - @pwb_lib.MBX153	16E1 20F7
PCI_AD<26>	PCI_AD<26> - @pwb_lib.MBX153	16E1 20F7
PCI_AD<27>	PCI_AD<27> - @pwb_lib.MBX153	16D1 20F7
PCI_AD<28>	PCI_AD<28> - @pwb_lib.MBX153	16D1 20F7

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- -	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER - -		SHEET 46 46

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Signal Cross Reference (6/6)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

PCI_AD<29>	PCI_AD<29> - @pwb_lib.MBX153	16D1 20F7
PCI_AD<30>	PCI_AD<30> - @pwb_lib.MBX153	16D1 20F7
PCI_AD<31>	PCI_AD<31> - @pwb_lib.MBX153	16D1 20F7
PCI_C/BE#<0>	PCI_C/BE#<0> - @pwb_lib.MBX153	16D1 20E7
PCI_C/BE#<1>	PCI_C/BE#<1> - @pwb_lib.MBX153	16D1 20E7
PCI_C/BE#<2>	PCI_C/BE#<2> - @pwb_lib.MBX153	16D1 20E7
PCI_C/BE#<3>	PCI_C/BE#<3> - @pwb_lib.MBX153	16D1 20E7
PCI_DEVSEL#	PCI_DEVSEL# - @pwb_lib.MBX153	16C4 16E3 20D7
PCI_FRAME#	PCI_FRAME# - @pwb_lib.MBX153	16C4 16E3 20D7
PCI_GNT0#	PCI_GNT0# - @pwb_lib.MBX153	16E3 20D7
PCI_IRDY#	PCI_IRDY# - @pwb_lib.MBX153	16C4 16E3 20D7
PCI_LOCK#	PCI_LOCK# - @pwb_lib.MBX153	16B4 16E3
PCI_PAR	PCI_PAR - @pwb_lib.MBX153	16E3 20E7
PCI_PERR#	PCI_PERR# - @pwb_lib.MBX153	16B4 16E3 20D7
PCI_PME#	PCI_PME# - @pwb_lib.MBX153	16E3 17B7
PCI_REQ0#	PCI_REQ0# - @pwb_lib.MBX153	16D4 16E3 20D7
PCI_REQ1#	PCI_REQ1# - @pwb_lib.MBX153	16C4 16E3
PCI_REQ2#	PCI_REQ2# - @pwb_lib.MBX153	16C4 16E3
PCI_REQ3#	PCI_REQ3# - @pwb_lib.MBX153	16C4 16E3
PCI_REQ4#	PCI_REQ4# - @pwb_lib.MBX153	16C4 16E3
PCI_REQ5#	PCI_REQ5# - @pwb_lib.MBX153	16B4 16D3
PCI_RST#	PCI_RST# - @pwb_lib.MBX153	16E3 20D7
PCI_SERR#	PCI_SERR# - @pwb_lib.MBX153	16B4 16E3 20D7
PCI_STOP#	PCI_STOP# - @pwb_lib.MBX153	16C4 16E3 20D7
PCI_TRDY#	PCI_TRDY# - @pwb_lib.MBX153	16C4 16E3 20D7
PDASP_3#	PDASP_3# - @pwb_lib.MBX153	24D1 26C7
PLT_RST#	PLT_RST# - @pwb_lib.MBX153	9D5 16E3 17B3 22E8 24B8 27D3 36D8 40D4
PLVL_SEL	PLVL_SEL - @pwb_lib.MBX153	17E1 36C8
PME_CARD#	PME_CARD# - @pwb_lib.MBX153	17B8 20D7
PM_BATLOW#	PM_BATLOW# - @pwb_lib.MBX153	16C3 17D1
PM_BMBUSY#	PM_BMBUSY# - @pwb_lib.MBX153	9D5 17E1
PM_CLKRUN#	PM_CLKRUN# - @pwb_lib.MBX153	16C4 17E1 20D7 22D8 40D4
PM_DPRSLPVR	PM_DPRSLPVR - @pwb_lib.MBX153	9D5 17D5 30E8
PM_DPRSLPVR#	PM_DPRSLPVR# - @pwb_lib.MBX153	30D8 30E8
PM_EXTTS#	PM_EXTTS# - @pwb_lib.MBX153	9D5 14D1
PM_PSI#	PM_PSI# - @pwb_lib.MBX153	6C1 30E8
PM_RI#	PM_RI# - @pwb_lib.MBX153	16B3 17E1
PM_RSMRST#	PM_RSMRST# - @pwb_lib.MBX153	17C6 22C8
PM_SLP_S3#	PM_SLP_S3# - @pwb_lib.MBX153	17E1 22D8 32E6 40D4
PM_SLP_S4#	PM_SLP_S4# - @pwb_lib.MBX153	17E1 22D8 40D4
PM_SLP_S5#	PM_SLP_S5# - @pwb_lib.MBX153	17D1 22D8
PM_STP_CPU#	PM_STP_CPU# - @pwb_lib.MBX153	8E7 17E1
PM_STP_PCI#	PM_STP_PCI# - @pwb_lib.MBX153	8D7 17E1
PM_SUSSTAT#	PM_SUSSTAT# - @pwb_lib.MBX153	17D1 22D8 40D4
PM_THRMTRIP#	PM_THRMTRIP# - @pwb_lib.MBX153	6B6 36D8
PM_THRMTRP_F#	PM_THRMTRP_F# - @pwb_lib.MBX153	6A7 6C5 9D5
PM_THRM_ICH#	PM_THRM_ICH# - @pwb_lib.MBX153	6E3 16C4 17D1 17E1
POW_BOOST	POW_BOOST - @pwb_lib.MBX153	31F5 33F3 34F8
PS_ERR#	PS_ERR# - @pwb_lib.MBX153	36D7 38B7 39C1
PWRGDALW	PWRGDALW - @pwb_lib.MBX153	22C1 35E1
PWRGDRSM	PWRGDRSM - @pwb_lib.MBX153	22A6 35D1
PWRGDRUN	PWRGDRUN - @pwb_lib.MBX153	22B3 35B1 40D2
PWRGDSUS	PWRGDSUS - @pwb_lib.MBX153	17B8 17D1 20D7 20E4 22A6 35C1
PWRGD_+1.05VRUN	PWRGD_+1.05VRUN - @pwb_lib.MBX153	31C3 35A5
PWRGD_+1.5VRUN	PWRGD_+1.5VRUN - @pwb_lib.MBX153	31C3 35D8
PWRGD_+1.8VSUS	PWRGD_+1.8VSUS - @pwb_lib.MBX153	32C8 35C5
PWRGD_53	PWRGD_53 - @pwb_lib.MBX153	33B3 35E5
PWRLIMIT#	PWRLIMIT# - @pwb_lib.MBX153	22C8 36B3
PWRLMT_CHK	PWRLMT_CHK - @pwb_lib.MBX153	36B7 36D1 40D7
PWR_LVL	PWR_LVL - @pwb_lib.MBX153	36B6 36C2
REF1540	REF1540 - @pwb_lib.MBX153	31D3 31D6
REF8744	REF8744 - @pwb_lib.MBX153	33C3 33C6
RSM_OFF	RSM_OFF - @pwb_lib.MBX153	34E6 35A6
RSM_ON_EC	RSM_ON_EC - @pwb_lib.MBX153	22E1 34E8 35A8
RTC_RST#	RTC_RST# - @pwb_lib.MBX153	17C6 39B5
RUN_ON	RUN_ON - @pwb_lib.MBX153	24D8 31C6 35D6
RUN_ON#	RUN_ON# - @pwb_lib.MBX153	31D2 31D8 32C3 34A8 35D6
RUN_ON_EC	RUN_ON_EC - @pwb_lib.MBX153	22D1 35E8
RUN_ON_F	RUN_ON_F - @pwb_lib.MBX153	31C6 35E6
SCIREQ	SCIREQ - @pwb_lib.MBX153	17E1 22E8
SD_CLK	SD_CLK - @pwb_lib.MBX153	21C4 25C6
SD_CMD	SD_CMD - @pwb_lib.MBX153	21C4 25C6
SD_DAT0	SD_DAT0 - @pwb_lib.MBX153	21C4 25C6
SD_DAT1	SD_DAT1 - @pwb_lib.MBX153	21C4 25C6
SD_DAT2	SD_DAT2 - @pwb_lib.MBX153	21C4 25B6
SD_DAT3	SD_DAT3 - @pwb_lib.MBX153	21C4 25C6
SD_DETECT#	SD_DETECT# - @pwb_lib.MBX153	21C4 25B6
SD_WP	SD_WP - @pwb_lib.MBX153	21C4 25C6
SMBALERT#	SMBALERT# - @pwb_lib.MBX153	16C3 17E1
SMB_0CLK	SMB_0CLK - @pwb_lib.MBX153	22D1 37B4
SMB_0DATA	SMB_0DATA - @pwb_lib.MBX153	22C1 37B4
SMB_1CLK	SMB_1CLK - @pwb_lib.MBX153	6E6 14D5 22C1
SMB_1DATA	SMB_1DATA - @pwb_lib.MBX153	6E6 14D5 22C1
SMB_2CLK	SMB_2CLK - @pwb_lib.MBX153	8C7 14B3 16A4 17A4 17D6
SMB_2DATA	SMB_2DATA - @pwb_lib.MBX153	8D7 14B3 16A4 17A4 17D6
SMLINK0	SMLINK0 - @pwb_lib.MBX153	16C3 17D6
SMLINK1	SMLINK1 - @pwb_lib.MBX153	16C3 17D6
SOURCE_COM	SOURCE_COM - @pwb_lib.MBX153	37E3 38B5 38E3
SPKRCB0	SPKRCB0 - @pwb_lib.MBX153	20D7 29B8
SPKR_HP_MUTE	SPKR_HP_MUTE - @pwb_lib.MBX153	22D1 29E5

SPKR_ICH	SPKR_ICH - @pwb_lib.MBX153	17A8 17D6 29B8
SPKR_STBY	SPKR_STBY - @pwb_lib.MBX153	22D1 29E5
SUSCLK	SUSCLK - @pwb_lib.MBX153	17D1 22C8
SUS_ON	SUS_ON - @pwb_lib.MBX153	25E7 29E1 32C8 32E6 35F6
SUS_ON#	SUS_ON# - @pwb_lib.MBX153	28A8 32B5 34C7 35E6
SUS_ON_EC	SUS_ON_EC - @pwb_lib.MBX153	22C8 35E8
SW_LID#	SW_LID# - @pwb_lib.MBX153	22D8 29E5
SW_PWR#	SW_PWR# - @pwb_lib.MBX153	22D8 26E7 40D2 40D7
SW_RADIO_DIS	SW_RADIO_DIS - @pwb_lib.MBX153	22A6 29E5
SYS_PRS_VR	SYS_PRS_VR - @pwb_lib.MBX153	37B4 39C1
THERMDA	THERMDA - @pwb_lib.MBX153	6C6 6E4
THERMDC	THERMDC - @pwb_lib.MBX153	6C6 6E4
THRM_MEMORY#	THRM_MEMORY# - @pwb_lib.MBX153	14D5 22D1
TPA0+	TPA0+ - @pwb_lib.MBX153	19D3 25E6
TPA0-	TPA0- - @pwb_lib.MBX153	19D3 25E6
TPB0+	TPB0+ - @pwb_lib.MBX153	19D3 25E6
TPB0-	TPB0- - @pwb_lib.MBX153	19D3 25F6
TPM_TEST	TPM_TEST - @pwb_lib.MBX153	17E1 22F6
TP_CLK_5	TP_CLK_5 - @pwb_lib.MBX153	22D1 29D1
TP_DAT_5	TP_DAT_5 - @pwb_lib.MBX153	22D1 29D1
UL_BKL	UL_BKL - @pwb_lib.MBX153	23C8 39E2
UL_CHK	UL_CHK - @pwb_lib.MBX153	39E8 40D7
UL_IN#	UL_IN# - @pwb_lib.MBX153	39C4 39D5
UL_THRMTRIP	UL_THRMTRIP - @pwb_lib.MBX153	36C1 36E6
USB_OC0#	USB_OC0# - @pwb_lib.MBX153	16C3 16E5 25E7
USB_OC1#	USB_OC1# - @pwb_lib.MBX153	16C3 16E5
USB_OC2#	USB_OC2# - @pwb_lib.MBX153	16C3 16E5 25E7
USB_OC3#	USB_OC3# - @pwb_lib.MBX153	16C3 16E5
USB_OC4#	USB_OC4# - @pwb_lib.MBX153	16C3 16E5
USB_OC5#	USB_OC5# - @pwb_lib.MBX153	16C3 16E5
USB_OC6#	USB_OC6# - @pwb_lib.MBX153	16C3 16E5
USB_OC7#	USB_OC7# - @pwb_lib.MBX153	16C3 16E5
USB_P0+	USB_P0+ - @pwb_lib.MBX153	16E5 25B6
USB_P0-	USB_P0- - @pwb_lib.MBX153	16E5 25B6
USB_P1+	USB_P1+ - @pwb_lib.MBX153	16E5 28D4
USB_P1-	USB_P1- - @pwb_lib.MBX153	16E5 28D4
USB_P2+	USB_P2+ - @pwb_lib.MBX153	16E5 25D6
USB_P2-	USB_P2- - @pwb_lib.MBX153	16E5 25D6
USB_P3+	USB_P3+ - @pwb_lib.MBX153	16E5 27A7
USB_P3-	USB_P3- - @pwb_lib.MBX153	16E5 27A7
USB_P4+	USB_P4+ - @pwb_lib.MBX153	16E5 29E1
USB_P4-	USB_P4- - @pwb_lib.MBX153	16E5 29E1
USB_P6+	USB_P6+ - @pwb_lib.MBX153	16E5 29E1
USB_P6-	USB_P6- - @pwb_lib.MBX153	16E5 29E1
USB_P7+	USB_P7+ - @pwb_lib.MBX153	16E5 29E1
USB_P7-	USB_P7- - @pwb_lib.MBX153	16E5 29E1
VBKL_CD11	VBKL_CD11 - @pwb_lib.MBX153	23C4 29B4
VBKL_CD12	VBKL_CD12 - @pwb_lib.MBX153	23C4 29C4
VBKL_CD21	VBKL_CD21 - @pwb_lib.MBX153	23C4 29C4
VBKL_CD22	VBKL_CD22 - @pwb_lib.MBX153	23C4 29C4
VB_BAT_CHK	VB_BAT_CHK - @pwb_lib.MBX153	39A7 40D7
VB_BAT_RS	VB_BAT_RS - @pwb_lib.MBX153	39A7 40D7
VCC1540	VCC1540 - @pwb_lib.MBX153	31D3 31E5
VC_CLK	VC_CLK - @pwb_lib.MBX153	20B7 20E4
VC_DATA	VC_DATA - @pwb_lib.MBX153	20B7 20E4
VC_LATCH	VC_LATCH - @pwb_lib.MBX153	20A7 20E4
VDC_DETECT	VDC_DETECT - @pwb_lib.MBX153	37D6 38C5
VDC_LVL	VDC_LVL - @pwb_lib.MBX153	37D6 38C6
VLED_BKL	VLED_BKL - @pwb_lib.MBX153	23D1 23D8
VPWRSRC_RS+	VPWRSRC_RS+ - @pwb_lib.MBX153	37E5 40E7
VPWRSRC_RS-	VPWRSRC_RS- - @pwb_lib.MBX153	37E5 40E7
VPWRSRC_SENSE	VPWRSRC_SENSE - @pwb_lib.MBX153	36E4 37E5
VPWR_COMM_SENSE	VPWR_COMM_SENSE - @pwb_lib.MBX153	36E4 37E5
VREF_VCORE	VREF_VCORE - @pwb_lib.MBX153	30D5 30D7
VR_ON	VR_ON - @pwb_lib.MBX153	22B8 29C8 29E1 30B4 30E8 35C6
VR_ON#	VR_ON# - @pwb_lib.MBX153	31B8 33C4 35C6
VR_ON_EC	VR_ON_EC - @pwb_lib.MBX153	22C8 35C8
WAKEREQ#	WAKEREQ# - @pwb_lib.MBX153	17E1 17E1 22E8
WL_CH_CLK	WL_CH_CLK - @pwb_lib.MBX153	27D8 29D5
WL_CH_DAT	WL_CH_DAT - @pwb_lib.MBX153	27D6 29D5

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SIZE C	DESIGNER - -		SHEET 47 OF 47

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Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Part Cross Reference (1/8)

Title: Cref Part Report
Design: mbx153
Date: May 30 17:24:08 2006

C50	C_0603	mbx153[6E5]
C52	C_0603	mbx153[6F5]
C60	C_1608	mbx153[6B4]
C100	C_1608	mbx153[7E3]
C101	C_1608	mbx153[7E3]
C102	C_1608	mbx153[7E2]
C103	C_1608	mbx153[7E2]
C104	C_1608	mbx153[7E2]
C105	C_1608	mbx153[7E2]
C106	C_1608	mbx153[7E2]
C107	C_1608	mbx153[7E1]
C108	C_1608	mbx153[7E1]
C109	C_1608	mbx153[7E1]
C110	C_1608	mbx153[7D3]
C111	C_1608	mbx153[7D3]
C112	C_1608	mbx153[7D2]
C113	C_1608	mbx153[7D2]
C114	C_1608	mbx153[7D2]
C115	C_1608	mbx153[7D2]
C116	C_1608	mbx153[7D2]
C117	C_1608	mbx153[7D1]
C118	C_1608	mbx153[7D1]
C119	C_1608	mbx153[7D1]
C120	C_0603	mbx153[7D3]
C121	C_0603	mbx153[7D3]
C122	C_0603	mbx153[7D2]
C123	C_0603	mbx153[7D2]
C124	C_0603	mbx153[7D2]
C127	C_0603	mbx153[7D1]
C130	C_1608	mbx153[7E3]
C131	C_1608	mbx153[7E3]
C140	C_1608	mbx153[7C3]
C141	C_0603	mbx153[7C3]
C142	C_0603	mbx153[7C2]
C143	C_0603	mbx153[7C2]
C144	C_0603	mbx153[7C2]
C145	C_0603	mbx153[7C2]
C146	C_0603	mbx153[7C2]
C150	C_0603	mbx153[7C3]
C151	C_0603	mbx153[7C3]
C152	C_0603	mbx153[7C2]
C153	C_0603	mbx153[7C2]
C154	C_0603	mbx153[7C2]
C155	C_0603	mbx153[7C2]
C160	C_1608	mbx153[7C6]
C161	C_1005	mbx153[7C6]
C200	C_1005	mbx153[8E6]
C201	C_0603	mbx153[8E7]
C202	C_0603	mbx153[8E7]
C203	C_0603	mbx153[8E7]
C204	C_0603	mbx153[8E6]
C205	C_0603	mbx153[8E6]
C210	C_0603	mbx153[8E5]
C211	C_0603	mbx153[8E5]
C212	C_0603	mbx153[8E5]
C220	C_0603	mbx153[8E7]
C221	C_0603	mbx153[8E7]
C307	C_0603	mbx153[9D6]
C321	C_0603	mbx153[9B6]
C322	C_0603	mbx153[9A6]
C330	C_0603	mbx153[9E2]
C331	C_0603	mbx153[9E2]
C400	C_1608	mbx153[12B5]
C401	C_1608	mbx153[12B5]
C402	C_1608	mbx153[12B5]
C403	C_0603	mbx153[12B5]
C404	C_0603	mbx153[12B6]
C405	C_0603	mbx153[12B6]
C406	C_0603	mbx153[12B6]
C407	C_0603	mbx153[12B6]
C410	C_1608	mbx153[11D2]
C411	C_1608	mbx153[11D2]
C412	C_1005	mbx153[11E2]
C413	C_1005	mbx153[11D2]
C414	C_1005	mbx153[11C2]
C415	C_1005	mbx153[11C2]
C420	C_1608	mbx153[11E5]
C421	C_1608	mbx153[11E5]
C422	C_0603	mbx153[11E4]
C423	C_1608	mbx153[11E6]
C424	C_0603	mbx153[11E6]
C425	C_0603	mbx153[11E6]
C430	C_1608	mbx153[11E4]
C431	C_0603	mbx153[11E4]
C432	C_0603	mbx153[11D6]
C433	C_1005	mbx153[11D5]
C434	C_1608	mbx153[11C4]
C435	C_0603	mbx153[11C4]
C440	C_0603	mbx153[11E4]
C441	C_0603	mbx153[11D7]
C442	C_1005	mbx153[11D6]
C450	C_1608	mbx153[11D7]
C451	C_0603	mbx153[11D6]
C452	C_1608	mbx153[11C7]
C453	C_0603	mbx153[11C6]
C454	C_1608	mbx153[11C7]
C455	C_0603	mbx153[11C6]
C456	C_1608	mbx153[11C7]
C457	C_0603	mbx153[11C6]
C460	C_1608	mbx153[11C4]
C461	C_0603	mbx153[11C4]
C470	C_1608	mbx153[12E5]
C471	C_1608	mbx153[12E5]
C472	C_1608	mbx153[12E6]
C473	C_1608	mbx153[12E6]
C474	C_1005	mbx153[12E6]
C475	C_1005	mbx153[12E6]
C476	C_1005	mbx153[12D6]
C477	C_1005	mbx153[12C6]
C478	C_1005	mbx153[12C6]
C479	C_0603	mbx153[12E6]
C480	C_1608	mbx153[12E3]
C481	C_0603	mbx153[12E3]
C490	C_1608	mbx153[12D6]
C491	C_1608	mbx153[12D6]
C492	C_1608	mbx153[12D6]
C493	C_1608	mbx153[12D5]
C494	C_1608	mbx153[12D5]
C520	C_1005	mbx153[13D3]
C521	C_1005	mbx153[13D2]
C522	C_1005	mbx153[13D2]
C1100	C_1608	mbx153[14F3]
C1101	C_0603	mbx153[14F3]
C1102	C_0603	mbx153[14A3]
C1110	C_1608	mbx153[14F3]
C1111	C_1608	mbx153[14F3]
C1112	C_0603	mbx153[14F2]
C1113	C_0603	mbx153[14F2]
C1114	C_0603	mbx153[14F2]
C1115	C_0603	mbx153[14F2]
C1120	C_0603	mbx153[14F6]
C1121	C_0603	mbx153[14F5]
C1122	C_0603	mbx153[14F5]
C1123	C_0603	mbx153[14F5]
C1124	C_0603	mbx153[14F5]
C1125	C_0603	mbx153[14F5]
C1126	C_0603	mbx153[14F4]
C1130	C_0603	mbx153[14E6]
C1131	C_0603	mbx153[14E5]
C1132	C_0603	mbx153[14E5]
C1133	C_0603	mbx153[14E5]
C1134	C_0603	mbx153[14E5]
C1135	C_0603	mbx153[14E5]
C1136	C_0603	mbx153[14E4]
C1150	C_1608	mbx153[15A8]
C1151	C_1608	mbx153[15A8]
C1152	C_1608	mbx153[15A8]
C1153	C_1608	mbx153[15A8]
C1154	C_1608	mbx153[15A7]
C1155	C_1608	mbx153[15A7]
C1156	C_1608	mbx153[15A7]
C1157	C_1608	mbx153[15A7]
C1158	C_1608	mbx153[15A7]
C1159	C_1608	mbx153[15A8]
C1160	C_1608	mbx153[15A8]
C1161	C_1608	mbx153[15A8]
C1162	C_1608	mbx153[15A8]
C1163	C_1608	mbx153[15A7]
C1164	C_1608	mbx153[15A7]
C1165	C_1608	mbx153[15A7]
C1166	C_1608	mbx153[15A7]
C1180	C_1005	mbx153[14E6]
C1200	C_0603	mbx153[15F8]
C1201	C_0603	mbx153[15F7]
C1202	C_0603	mbx153[15F7]
C1203	C_0603	mbx153[15F7]
C1204	C_0603	mbx153[15F7]
C1205	C_0603	mbx153[15F7]
C1206	C_0603	mbx153[15F7]
C1207	C_0603	mbx153[15F6]
C1208	C_0603	mbx153[15E7]
C1210	C_0603	mbx153[15F6]
C1211	C_0603	mbx153[15F6]
C1212	C_0603	mbx153[15F5]
C1213	C_0603	mbx153[15F5]
C1214	C_0603	mbx153[15F5]
C1215	C_0603	mbx153[15F5]
C1216	C_0603	mbx153[15F5]
C1217	C_0603	mbx153[15F4]

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -		SHEET 48 / 48

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Part Cross Reference (2/8)

C1218	C_0603	mbx153[15E5]
C1219	C_1608	mbx153[15F6]
C1220	C_0603	mbx153[15F4]
C1221	C_0603	mbx153[15F4]
C1222	C_0603	mbx153[15F4]
C1223	C_0603	mbx153[15F3]
C1224	C_0603	mbx153[15F3]
C1225	C_0603	mbx153[15F3]
C1226	C_0603	mbx153[15F3]
C1227	C_0603	mbx153[15F3]
C1228	C_0603	mbx153[15E3]
C1229	C_1608	mbx153[15F4]
C1230	C_0603	mbx153[15F2]
C1231	C_0603	mbx153[15F2]
C1232	C_0603	mbx153[15F2]
C1233	C_0603	mbx153[15F1]
C1234	C_0603	mbx153[15F1]
C1235	C_0603	mbx153[15F1]
C1236	C_0603	mbx153[15F1]
C1237	C_0603	mbx153[15F1]
C1238	C_0603	mbx153[15E1]
C1240	C_0603	mbx153[15C8]
C1241	C_0603	mbx153[15C7]
C1242	C_0603	mbx153[15C7]
C1243	C_0603	mbx153[15C7]
C1244	C_0603	mbx153[15C7]
C1245	C_0603	mbx153[15C7]
C1246	C_0603	mbx153[15C7]
C1247	C_0603	mbx153[15C6]
C1248	C_0603	mbx153[15C7]
C1250	C_0603	mbx153[15C6]
C1251	C_0603	mbx153[15C6]
C1252	C_0603	mbx153[15C5]
C1253	C_0603	mbx153[15C5]
C1254	C_0603	mbx153[15C5]
C1255	C_0603	mbx153[15C5]
C1256	C_0603	mbx153[15C5]
C1257	C_0603	mbx153[15C4]
C1258	C_0603	mbx153[15C5]
C1259	C_1608	mbx153[15C6]
C1260	C_0603	mbx153[15C4]
C1261	C_0603	mbx153[15C4]
C1262	C_0603	mbx153[15C4]
C1263	C_0603	mbx153[15C3]
C1264	C_0603	mbx153[15C3]
C1265	C_0603	mbx153[15C3]
C1266	C_0603	mbx153[15C3]
C1267	C_0603	mbx153[15C3]
C1268	C_0603	mbx153[15C3]
C1269	C_1608	mbx153[15C4]
C1270	C_0603	mbx153[15C2]
C1271	C_0603	mbx153[15C2]
C1272	C_0603	mbx153[15C2]
C1273	C_0603	mbx153[15C1]
C1274	C_0603	mbx153[15C1]
C1275	C_0603	mbx153[15C1]
C1276	C_0603	mbx153[15C1]
C1277	C_0603	mbx153[15C1]
C1278	C_0603	mbx153[15C1]
C1280	C_0603	mbx153[15D7]
C1281	C_0603	mbx153[15D7]
C1282	C_0603	mbx153[15D5]
C1283	C_0603	mbx153[15D5]
C1284	C_0603	mbx153[15D3]
C1285	C_0603	mbx153[15D3]
C1286	C_0603	mbx153[15D1]
C1287	C_0603	mbx153[15D1]
C1289	C_1005	mbx153[15D7]
C1290	C_0603	mbx153[15A7]
C1291	C_0603	mbx153[15A7]
C1292	C_0603	mbx153[15A5]
C1293	C_0603	mbx153[15A5]
C1294	C_0603	mbx153[15A3]
C1295	C_0603	mbx153[15A3]
C1296	C_0603	mbx153[15A1]
C1297	C_0603	mbx153[15A1]
C1299	C_1005	mbx153[15D3]
C1300	C_1005	mbx153[19C6]
C1301	C_1005	mbx153[19C6]
C1305	C_1005	mbx153[19D5]
C1310	C_1608	mbx153[19E6]
C1311	C_1005	mbx153[19E6]
C1312	C_1005	mbx153[19E6]
C1313	C_1005	mbx153[19E5]
C1314	C_1005	mbx153[19E5]
C1315	C_1608	mbx153[19E5]
C1321	C_1005	mbx153[19D5]
C1322	C_1005	mbx153[19D4]
C1323	C_1005	mbx153[19D4]
C1412	C_0603	mbx153[16E7]
C1413	C_0603	mbx153[16D7]
C1500	C_1005	mbx153[17C6]

C1501	C_1005	mbx153[17C5]
C1570	C_1005	mbx153[17B2]
C1580	C_0603	mbx153[17B4]
C1600	C_0603	mbx153[18F6]
C1601	C_0603	mbx153[18F7]
C1610	C_0603	mbx153[18E6]
C1612	C_1608	mbx153[18E7]
C1613	C_1005	mbx153[18E7]
C1620	C_1608	mbx153[18D7]
C1621	C_0603	mbx153[18D7]
C1622	C_0603	mbx153[18D7]
C1623	C_0603	mbx153[18D6]
C1625	C_1608	mbx153[18D7]
C1630	C_1005	mbx153[18C7]
C1631	C_0603	mbx153[18C7]
C1632	C_0603	mbx153[18C6]
C1640	C_0603	mbx153[18E4]
C1641	C_1005	mbx153[18E4]
C1642	CE_3528	mbx153[18E4]
C1643	C_0603	mbx153[18E4]
C1644	C_0603	mbx153[18E4]
C1645	C_1608	mbx153[18E4]
C1650	C_0603	mbx153[18D4]
C1651	C_0603	mbx153[18D4]
C1652	C_0603	mbx153[18D5]
C1653	C_0603	mbx153[18D4]
C1654	C_0603	mbx153[18D5]
C1660	C_0603	mbx153[18C4]
C1661	C_0603	mbx153[18C4]
C1662	C_0603	mbx153[18C4]
C1663	C_0603	mbx153[18C4]
C1664	C_0603	mbx153[18C4]
C1665	C_0603	mbx153[18B4]
C1670	C_0603	mbx153[18B4]
C1671	C_0603	mbx153[18B4]
C1701	C_1005	mbx153[20A7]
C1702	C_1005	mbx153[20A7]
C1711	C_1005	mbx153[20F8]
C1712	C_1005	mbx153[20F8]
C1713	C_1005	mbx153[20F8]
C1714	C_1005	mbx153[20F7]
C1715	C_1005	mbx153[20F7]
C1716	C_1005	mbx153[20F7]
C1717	C_1005	mbx153[20F7]
C1718	C_1005	mbx153[20F7]
C1721	C_1005	mbx153[20F5]
C1722	C_1005	mbx153[20F5]
C1725	C_1005	mbx153[20F4]
C1726	C_1005	mbx153[20F4]
C1750	C_1608	mbx153[20E2]
C1751	C_1005	mbx153[20D1]
C1752	C_1005	mbx153[20B1]
C1753	C_0603	mbx153[20D1]
C1758	C_0603	mbx153[20D3]
C1759	C_0603	mbx153[20E2]
C1821	C_1608	mbx153[21D3]
C1822	C_0603	mbx153[21D3]
C1850	C_1005	mbx153[21C6]
C1851	C_1005	mbx153[21C5]
C1852	C_1005	mbx153[21C5]
C1900	C_1005	mbx153[22C4]
C1901	C_1005	mbx153[22C3]
C1910	C_0603	mbx153[22E5]
C1911	C_0603	mbx153[22E5]
C1912	C_0603	mbx153[22B5]
C1913	C_0603	mbx153[22F5]
C1914	C_0603	mbx153[22E4]
C1915	C_1005	mbx153[22F5]
C1917	C_1005	mbx153[22C7]
C1990	C_0603	mbx153[22B7]
C1991	C_1005	mbx153[22B8]
C1992	C_1005	mbx153[22B8]
C1993	C_1005	mbx153[22B8]
C2111	C_1005	mbx153[23E2]
C2120	C_1005	mbx153[23C7]
C2125	C_1005	mbx153[23E6]
C2150	C_1005	mbx153[23A7]
C2170	C_0603	mbx153[23C4]
C2172	C_3626	mbx153[23D3]
C2173	C_2012	mbx153[23D2]
C2175	C_1005	mbx153[23C4]
C2178	C_3626	mbx153[23D2]
C2179	C_1608	mbx153[23C2]
C2251	C_1005	mbx153[24D6]
C2310	C_0603	mbx153[25E7]
C2311	C_2012	mbx153[25E5]
C2312	C_2012	mbx153[25E5]
C2313	C_0603	mbx153[25E4]
C2330	C_0603	mbx153[25D3]
C2500	C_1608	mbx153[27E4]
C2513	C_0603	mbx153[27E4]
C2514	C_0603	mbx153[27E4]

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER - -		SHEET 49

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*NOTE : □□ □□
- Location
- Schematic Diagram Sheet Number

DNI=Do Not Install

MBX-153 Part Cross Reference (3/8)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

C2515	C_0603	mbx153[27E4]
C2520	C_1608	mbx153[27E4]
C2521	C_1608	mbx153[27E3]
C2522	C_1608	mbx153[27E3]
C2532	C_0603	mbx153[27E4]
C2533	C_0603	mbx153[27E3]
C2551	C_0603	mbx153[27E2]
C2600	C_0603	mbx153[28E3]
C2601	C_0603	mbx153[28E3]
C2910	C_1608	mbx153[29C7]
C3900	C_1608	mbx153[30D5]
C3901	C_0603	mbx153[30D7]
C3902	C_1005	mbx153[30D7]
C3903	C_0603	mbx153[30C7]
C3904	C_0603	mbx153[30C6]
C3905	C_1005	mbx153[30B3]
C3906	C_1005	mbx153[30C5]
C3907	C_0603	mbx153[30C5]
C3908	C_0603	mbx153[30C6]
C3909	C_0603	mbx153[30C6]
C3951	C_1608	mbx153[30D4]
C3952	C_1608	mbx153[30D5]
C3960	C_1608	mbx153[30E4]
C3961	C_3626	mbx153[30E4]
C3962	C_3626	mbx153[30E4]
C3970	C_0603	mbx153[30F7]
C3971	C_1005	mbx153[30F6]
C3990	CE_7343	mbx153[30D1]
C4101	CE_3528	mbx153[31D7]
C4103	C_0603	mbx153[31D7]
C4104	C_1608	mbx153[31E6]
C4105	C_3626	mbx153[31E6]
C4106	C_1005	mbx153[31E5]
C4107	C_1608	mbx153[31D6]
C4108	C_1005	mbx153[31D6]
C4109	C_1005	mbx153[31E5]
C4110	C_1608	mbx153[31E4]
C4111	C_0603	mbx153[31C5]
C4112	C_0603	mbx153[31C5]
C4113	C_1005	mbx153[31C6]
C4121	CE_6032	mbx153[31D2]
C4123	C_0603	mbx153[31D2]
C4124	C_1608	mbx153[31E3]
C4125	C_3626	mbx153[31E3]
C4126	C_1005	mbx153[31E4]
C4127	C_1608	mbx153[31D3]
C4128	C_1005	mbx153[31D3]
C4150	C_1005	mbx153[31B7]
C4151	C_1005	mbx153[31B6]
C4220	C_1608	mbx153[32D4]
C4221	C_1608	mbx153[32D4]
C4222	C_0603	mbx153[32E5]
C4223	C_1608	mbx153[32E5]
C4224	C_1005	mbx153[32E5]
C4225	C_1005	mbx153[32E6]
C4250	C_1608	mbx153[32C2]
C4251	C_1005	mbx153[32C3]
C4252	C_1005	mbx153[32C3]
C4260	C_1005	mbx153[32B7]
C4261	C_1005	mbx153[32C7]
C4262	C_1005	mbx153[32C7]
C4263	C_0603	mbx153[32C7]
C4264	C_1005	mbx153[32C6]
C4265	C_1005	mbx153[32C5]
C4266	C_0603	mbx153[32C6]
C4267	C_1608	mbx153[32C6]
C4268	C_1005	mbx153[32B6]
C4269	CE_3528	mbx153[32B5]
C4270	C_0603	mbx153[32B5]
C4271	CE_3528	mbx153[32C5]
C4272	CE_3528	mbx153[32C5]
C4301	CE_7343	mbx153[33D7]
C4302	C_1608	mbx153[33D8]
C4303	C_0603	mbx153[33D8]
C4304	C_1608	mbx153[33E6]
C4305	C_3626	mbx153[33E6]
C4306	C_1005	mbx153[33D6]
C4307	C_0603	mbx153[33C7]
C4308	C_1608	mbx153[33D5]
C4309	C_0603	mbx153[33C6]
C4310	C_1005	mbx153[33C6]
C4311	C_1608	mbx153[33D5]
C4312	C_1608	mbx153[33D5]
C4321	CE_6032	mbx153[33D1]
C4322	C_1608	mbx153[33D1]
C4323	C_0603	mbx153[33D1]
C4324	C_1608	mbx153[33E3]
C4325	C_3626	mbx153[33E3]
C4326	C_1005	mbx153[33D3]
C4327	C_0603	mbx153[33C2]
C4328	C_1608	mbx153[33D3]
C4330	C_0603	mbx153[33C3]

C4352	C_1005	mbx153[33A7]
C4353	C_1005	mbx153[33A7]
C4391	C_1608	mbx153[33D4]
C4392	C_1005	mbx153[33D4]
C4401	C_1005	mbx153[34A7]
C4432	C_1005	mbx153[34F7]
C4451	C_1005	mbx153[34E5]
C4461	C_1005	mbx153[34D6]
C4501	C_1005	mbx153[35F3]
C4521	C_1005	mbx153[35D3]
C4531	C_1005	mbx153[35B3]
C4611	C_1005	mbx153[36D3]
C4621	C_1608	mbx153[36C2]
C4624	C_1608	mbx153[36C6]
C4625	C_1005	mbx153[36C5]
C4633	C_1608	mbx153[36D4]
C4634	C_1608	mbx153[36D4]
C4650	C_1005	mbx153[36C3]
C4662	C_1005	mbx153[36C4]
C4681	C_1005	mbx153[36B4]
C4702	C_1005	mbx153[37C6]
C4703	C_1005	mbx153[37C6]
C4704	C_1005	mbx153[37C7]
C4705	C_1005	mbx153[37C6]
C4706	C_1005	mbx153[37C5]
C4710	C_1608	mbx153[37D6]
C4712	C_1608	mbx153[37D5]
C4715	C_1005	mbx153[37C5]
C4716	C_1608	mbx153[37D6]
C4717	C_1005	mbx153[37E6]
C4731	C_3225	mbx153[37C3]
C4732	C_1005	mbx153[37D4]
C4733	C_1005	mbx153[37D5]
C4734	C_1608	mbx153[37D5]
C4770	C_1608	mbx153[37B1]
C4771	C_0603	mbx153[37B3]
C4781	C_0603	mbx153[37C7]
C4790	C_3626	mbx153[37D4]
C4791	C_0603	mbx153[37C7]
C4792	C_1608	mbx153[37D3]
C4801	C_1608	mbx153[38E6]
C4802	C_1608	mbx153[38E5]
C4804	C_1608	mbx153[38C7]
C4807	C_1005	mbx153[38B6]
C4808	C_1608	mbx153[38E5]
C4893	C_1005	mbx153[38D5]
C4902	C_1005	mbx153[39D7]
C4903	C_1005	mbx153[39D6]
C4910	C_1608	mbx153[39E3]
C4951	C_1005	mbx153[39C4]
C4955	C_1608	mbx153[39B3]
C4956	C_1005	mbx153[39B3]
C4976	C_1005	mbx153[39B5]
C4977	C_1005	mbx153[39B5]
C5001	C_1005	mbx153[40C5]
C5002	C_1005	mbx153[40C4]
CN60	CN2P_SMD+2	mbx153[6B4]
CN70	CN1P_SMD	mbx153[6B3]
CN1100	DDR2_SO_DIMM_200P_SMD+2	mbx153[14C2]
CN1701	CN80P_SMD	mbx153[20C2]
CN1900	CN20P_SMD	mbx153[22F7]
CN2100	CN30P_SMD+7	mbx153[29B2]
CN2200	CN70P_SMD	mbx153[24D3]
CN2300	CN13P_SMD	mbx153[25E3]
CN2330	CN50P_SMD+2	mbx153[25C3]
CN2400	CN16P_SMD	mbx153[26E1]
CN2490	CN24P_SMD+4	mbx153[26B4]
CN2500	MINI_PCI_E_CN_SMD+5	mbx153[27D5]
CN2590	CN24P_SMD	mbx153[27B5]
CN2600	CN54P_SMD+2	mbx153[28D2]
CN2900	CN60P_SMD	mbx153[29E3]
CN4700	CN6P_TH	mbx153[37B1]
CN4858	CN6P_SMD+2	mbx153[38E7]
CN4971	CN2P_SMD+2	mbx153[39B7]
CN5001	CN30P_SMD+2	mbx153[40D3]
CN5002	CN20P_SMD+2	mbx153[40D6]
CN5503	CN28P_SMD	mbx153[40B5]
D60	SHOTTKY_SMD	mbx153[6B5]
D111	D_SMD	mbx153[7B2]
D2120	ZD_SC79AK	mbx153[23D7]
D2121	ZD_SMD	mbx153[23C7]
D2171	SHOTTKY_SMD	mbx153[23D2]
D2175	ZD_SC79AK	mbx153[23C3]
D2310	ZD2_SC70KKA	mbx153[25D4]
D2430	ZD7_TSSOP8	mbx153[26D3]
D2431	ZD_SMD	mbx153[26D4]
D2630	SHOTTKY_SMD	mbx153[28C6]
D2910	D_SMD	mbx153[29C8]
D3900	D_SMD	mbx153[30B7]
D3950	SHOTTKY_SMD	mbx153[30D3]
D3951	SHOTTKY_SC79AK	mbx153[30E4]

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- -	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER - -		SHEET 50

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*NOTE : □□ □□
- Location
- Schematic Diagram Sheet Number

DNI=Do Not Install

MBX-153 Part Cross Reference (4/8)

D3952	SHOTTKY_SMD	mbx153[30D2]
D3970	SHOTTKY_SMD	mbx153[30F6]
D3991	D_SMD	mbx153[30A7]
D4101	SHOTTKY_SC79AK	mbx153[31E5]
D4102	SHOTTKY_SC79AK	mbx153[31E4]
D4104	D_SMD	mbx153[31E5]
D4141	D2_SSSM3AAK	mbx153[31C5]
D4142	SHOTTKY_SMD	mbx153[31B5]
D4150	D_SMD	mbx153[31B7]
D4300	SHOTTKY_SMD	mbx153[33D6]
D4301	D_SMD	mbx153[33B6]
D4303	SHOTTKY_SMD	mbx153[33D2]
D4311	D_SMD	mbx153[33A6]
D4320	D2_SSSM3AAK	mbx153[33F4]
D4321	D_SMD	mbx153[33D5]
D4351	D_SMD	mbx153[33B8]
D4352	ZD_SMD	mbx153[33A7]
D4411	SHOTTKY_SMD	mbx153[34D1]
D4412	SHOTTKY_SMD	mbx153[34C1]
D4413	SHOTTKY_SMD	mbx153[34C1]
D4414	SHOTTKY_SC79AK	mbx153[34B1]
D4415	SHOTTKY_SC79AK	mbx153[34B1]
D4421	ZD_SMD	mbx153[34E7]
D4521	SHOTTKY_SMD	mbx153[35C3]
D4531	SHOTTKY_SMD	mbx153[35B3]
D4551	SHOTTKY_SMD	mbx153[35E3]
D4607	D_SMD	mbx153[36C2]
D4611	D_SMD	mbx153[36E5]
D4621	D_SMD	mbx153[36C7]
D4622	D_SMD	mbx153[36C7]
D4623	D2_SSSM3AAK	mbx153[36B7]
D4624	D2_SSSM3AAK	mbx153[36C7]
D4640	SHOTTKY_SMD	mbx153[36B3]
D4641	SHOTTKY_SMD	mbx153[36E5]
D4642	ZD_SC79AK	mbx153[36D6]
D4645	ZD_SC79AK	mbx153[36D5]
D4700	SHOTTKY_SMD	mbx153[37D6]
D4722	D_SMD	mbx153[37C2]
D4731	SHOTTKY_SC79AK	mbx153[37D5]
D4770	ZD_SMD	mbx153[37B2]
D4771	ZD4_SC88A	mbx153[37B2]
D4782	D2_SSSM3AAK	mbx153[37D8]
D4790	SHOTTKY_SMD	mbx153[37F2]
D4791	ZD_SMD	mbx153[37E2]
D4801	ZD_SMD	mbx153[38E6]
D4802	SHOTTKY_SMD	mbx153[38E5]
D4803	ZD_SMD	mbx153[38E4]
D4811	D2_SSSM3AAK	mbx153[38B7]
D4822	ZD_SMD	mbx153[38B7]
D4844	D2_SSSM3AAK	mbx153[38D2]
D4901	D2_SSSM3AAK	mbx153[39E6]
D4902	D2_SSSM3AAK	mbx153[39E5]
D4903	D_SMD	mbx153[39E4]
D4904	D2_SSSM3AAK	mbx153[39E4]
D4905	D2_SSSM3AAK	mbx153[39E3]
D4906	ZD_SMD	mbx153[39D7]
D4914	ZD_SMD	mbx153[39E3]
D4950	SHOTTKY_SMD	mbx153[39B3]
D4971	D2_SSSM3AAK	mbx153[39B6]
D4972	D2_SSSM3AAK	mbx153[39A6]
D4973	SHOTTKY_SMD	mbx153[39B5]
F2171	FUSE_1608	mbx153[23D3]
F4801	FUSE_SMD	mbx153[38E5]
FB200	FB_1005	mbx153[8E6]
FB210	FB_1005	mbx153[8E5]
FB420	FB_1608	mbx153[11E5]
FB421	FB_1608	mbx153[11E6]
FB440	FB_1005	mbx153[11D7]
FB450	FB_1005	mbx153[11C7]
FB451	FB_1005	mbx153[11C7]
FB452	FB_1005	mbx153[11D7]
FB453	FB_1005	mbx153[11D7]
FB1300	FB_1005	mbx153[19E6]
FB1610	FB_1608	mbx153[18F7]
FB1620	FB_1608	mbx153[18D7]
FB2310	FB_1608	mbx153[25E5]
FB4751	FB_3216	mbx153[37B1]
FB4801	FB_3216	mbx153[38E7]
FL2100	LF4_2010	mbx153[29B3]
FL2101	LF4_2010	mbx153[29B3]
FL2310	LF2_SMD-D	mbx153[25D5]
FL2320	LF2_SMD-A	mbx153[25E5]
FL2321	LF2_SMD-A	mbx153[25E5]
FL2610	RB4_2010	mbx153[28E4]
IC1	YONAH_BGA479	mbx153[6D3 6D7]
IC1	YONAH_BGA479	mbx153[7D7 7C4]
IC50	LM86_TSSOP8	mbx153[6E5]
IC200	PID9LPR321_QFN65	mbx153[8D6]
IC300	GMCH_998_CSP998	mbx153[9E4 9D7]
IC300	GMCH_998_CSP998	mbx153[10D6]
IC300	GMCH_998_CSP998	mbx153[11D3]
IC300	GMCH_998_CSP998	mbx153[12D7 12D4 12D2]

IC300	GMCH_998_CSP998	mbx153[13D4]
IC1180	TMP10X_SC74	mbx153[14D5]
IC1200	DDR2_SDRAM1GX16_CSP9 2	mbx153[15E7]
IC1201	DDR2_SDRAM1GX16_CSP9 2	mbx153[15E6]
IC1202	DDR2_SDRAM1GX16_CSP9 2	mbx153[15E4]
IC1203	DDR2_SDRAM1GX16_CSP9 2	mbx153[15E2]
IC1204	DDR2_SDRAM1GX16_CSP9 2	mbx153[15B7]
IC1205	DDR2_SDRAM1GX16_CSP9 2	mbx153[15B6]
IC1206	DDR2_SDRAM1GX16_CSP9 2	mbx153[15B4]
IC1207	DDR2_SDRAM1GX16_CSP9 2	mbx153[15B2]
IC1394	PCI8412_CSP216	mbx153[19D6]
IC1394	PCI8412_CSP216	mbx153[20C6]
IC1394	PCI8412_CSP216	mbx153[21C6]
IC1400	ICH7_M_CSP652	mbx153[16E2 16D6]
IC1400	ICH7_M_CSP652	mbx153[17D3 17D7]
IC1400	ICH7_M_CSP652	mbx153[18C2 18D5]
IC1531	93C46_TSSOP8C	mbx153[17D5]
IC1570	7402_SC88A	mbx153[17B3]
IC1571	7414_SC88A	mbx153[17B1]
IC1580	M25P80_SON9	mbx153[17B5]
IC1581	NM24C02M8_TSSOP8	mbx153[17A5]
IC1701	NM24C02M8_TSSOP8	mbx153[20C8]
IC1752	TPS2220_SSOP24A	mbx153[20E3]
IC1821	TPS2056_SOP8	mbx153[21D3]
IC1900	H8S2111_FQFP144	mbx153[22D5 22A5]
IC1990	LIS302_QFN14	mbx153[22B7]
IC2120	7408_SC88A	mbx153[23D7]
IC2121	7414_SC88A	mbx153[23D6]
IC2122	7400_SSOP8	mbx153[23D6 23D6]
IC2123	7408_SSOP8	mbx153[23E6 23D5]
IC2124	7414_SC88A	mbx153[23F7]
IC2125	7432_SC88A	mbx153[23E7]
IC2171	MAX1698_TSSOP10	mbx153[23C3]
IC2210	7408_SSOP8	mbx153[24B7 24C6]
IC2251	7400_SC88A	mbx153[24D7]
IC2310	BD651X_SOP8	mbx153[25E7]
IC2500	7408_SC88A	mbx153[27D7]
IC2610	7408_SC88A	mbx153[28D7]
IC2620	7408_SC88A	mbx153[28D7]
IC2640	7402_SC88A	mbx153[28A7]
IC2950	7486_SC88A	mbx153[29B7]
IC3900	MAX8736_QFN41	mbx153[30D6]
IC3970	7414_SSOP8	mbx153[30F6 30F5 30F7]
IC4101	MAX1540_QFN33	mbx153[31D5]
IC4220	TPS51100_TSSOP11	mbx153[32E5]
IC4250	TAR5SXX_UFV	mbx153[32C3]
IC4261	MAX1515_QFN25	mbx153[32C6]
IC4301	MAX8744_5_QFN33	mbx153[33D4]
IC4302	R3112_SC82	mbx153[33A7]
IC4500	7408_SC88A	mbx153[35D7]
IC4501	7414_SSOP8	mbx153[35E7 35C6 35D6]
IC4511	7414_SSOP8	mbx153[35E2 35E3 35C3]
IC4521	7414_SSOP8	mbx153[35B3 35C2 35B2]
IC4601	MAX4211_QFN17	mbx153[36C4]
IC4681	7414_SC88A	mbx153[36B4]
IC4700	MAX1908_QFN29	mbx153[37D6]
IC4901	R3112_SC82	mbx153[39D6]
IC4952	7414_SSOP8	mbx153[39B3 39B2 39B4]
JR1	CONDUCTOR_0603	mbx153[6E4]
JR330	CONDUCTOR_1005	mbx153[9E1]
JR2900	CONDUCTOR_1005	mbx153[29E8]
JR2901	CONDUCTOR_1005	mbx153[29D8]
JR3900	CONDUCTOR_0603	mbx153[30D6]
JR3901	CONDUCTOR_0603	mbx153[30E6]
JR3902	CONDUCTOR_0603	mbx153[30E6]
JR3940	CONDUCTOR_0603	mbx153[30C5]
JR4221	CONDUCTOR_0603	mbx153[32E4]
JR4260	CONDUCTOR_0603	mbx153[32C7]
JR4261	CONDUCTOR_0603	mbx153[32B7]
L60	LP_50H28	mbx153[6B4]
L2171	LP_75H45	mbx153[23D3]
L3950	LP_91H45	mbx153[30D2]
L4101	LP_10H43	mbx153[31D6]
L4102	LP_10H43	mbx153[31D3]
L4261	LP_60H35	mbx153[32C5]
L4301	LP_10H45	mbx153[33D7]
L4302	LP_10H43	mbx153[33D2]
L4730	LP_75H45	mbx153[37C4]
OL3907	OPENLAND_SMD	mbx153[30E7]
OL4640	OPENLAND_SMD	mbx153[36C2]
Q41	TR-NPN_VMT3BEC	mbx153[6A6]
Q50	DTR-PNP-RBE_FSM3BEC	mbx153[6F4]
Q51	M_FET_NCH_E_3P_VMT3G SD	mbx153[6E4]

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -		SHEET 51 / 51

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Part Cross Reference (5/8)

Q60	M_FET_NCH_E_3P_SC59G	mbx153[6B4]
	SD	
Q1570	M_FET_PCH_E_3P_VMT3G	mbx153[17B2]
	SD	
Q1580	DTR2-NPN-RBE_FS6	mbx153[17B7 17B7]
Q1900	M_FET_NCH_E_3P_VMT3G	mbx153[22C2]
	SD	
Q1990	DTR-NPN-PNP-RBE_FS6	mbx153[22B7 22B7]
Q2111	2M_FET_NCH_E_6P_ES6	mbx153[23E3 23E1]
Q2112	M_FET_NCH_E_8P_SON8	mbx153[23F2]
Q2113	DTR-NPN-RBE_FSM3BEC	mbx153[23E3]
Q2153	2M_FET_NCH_E_6P_UF6	mbx153[23B6 23B7]
Q2154	2M_FET_NCH_E_6P_UF6	mbx153[23B4 23B5]
Q2155	TR-NPN_SC75BEC	mbx153[23B7]
Q2156	TR-NPN_SC75BEC	mbx153[23B6]
Q2157	TR-NPN_SC75BEC	mbx153[23B5]
Q2158	TR-NPN_SC75BEC	mbx153[23B4]
Q2159	DTR-NPN-RBE_FSM3BEC	mbx153[23A7]
Q2171	M_FET_NCH_E_3P_SC62G	mbx153[23C2]
	DS	
Q2251	TPCS8203_TSSOP8A	mbx153[24E6]
Q2252	2M_FET_NCH_E_6P_ES6	mbx153[24D5 24D7]
Q2411	DTR2-PNP-RBE_FS6	mbx153[26D6 26D6]
Q2412	DTR2-PNP-RBE_FS6	mbx153[26C7 26D7]
Q2421	DTR2-PNP-RBE_FS6	mbx153[26C6 26B6]
Q2422	DTR2-PNP-RBE_FS6	mbx153[26B7 26A7]
Q2500	M_FET_NCH_E_3P_VMT3G	mbx153[27D2]
	SD	
Q2610	M_FET_NCH_E_3P_VMT3G	mbx153[28E6]
	SD	
Q2620	2M_FET_NCH_E_6P_ES6	mbx153[28B7 28B6]
Q2900	DTR-NPN-PNP-RBE_FS6	mbx153[29E7 29E7]
Q2901	DTR-NPN-RBE_FSM3BEC	mbx153[29D7]
Q2910	DTR-NPN-PNP-RBE_FS6	mbx153[29C7 29C7]
Q2920	DTR2-PNP-RBE_FS6	mbx153[29D7 29E7]
Q3900	2M_FET_NCH_E_6P_ES6	mbx153[30B3 30B2]
Q3901	2M_FET_NCH_E_6P_ES6	mbx153[30A5 30C8]
Q3902	M_FET_NCH_E_3P_VMT3G	mbx153[30D8]
	SD	
Q3950	M_FET_NCH_E_5P_SON5	mbx153[30E3]
Q3951	M_FET_NCH_E_5P_SON5	mbx153[30D3]
Q4101	SI4830_SOP8	mbx153[31E6]
Q4102	SI4830_SOP8	mbx153[31E3]
Q4105	2M_FET_NCH_E_6P_ES6	mbx153[31D8 31D1]
Q4150	M_FET_NCH_E_3P_VMT3G	mbx153[31B6]
	SD	
Q4152	TR-NPN_VMT3BEC	mbx153[31A7]
Q4153	M_FET_NCH_E_8P_SON8	mbx153[31A5]
Q4201	2M_FET_NCH_E_6P_ES6	mbx153[32B4 32C2]
Q4300	M_FET_NCH_E_5P_SON5	mbx153[33E6]
Q4301	M_FET_NCH_E_8P_SON8	mbx153[33D6]
Q4302	M_FET_NCH_E_5P_SON5	mbx153[33E3]
Q4303	M_FET_NCH_E_5P_SON5	mbx153[33D3]
Q4310	DTR2-NPN-RBE_FS6	mbx153[33C3 33C6]
Q4371	2M_FET_NCH_E_6P_ES6	mbx153[33F6 33D5]
Q4391	M_FET_PCH_E_3P_VMT3G	mbx153[33E4]
	SD	
Q4401	2M_FET_NCH_E_8P_SON8	mbx153[34B6 34D6]
Q4402	TPCS8203_TSSOP8A	mbx153[34B5]
Q4411	2M_FET_NCH_E_6P_ES6	mbx153[34A6 34A4]
Q4412	2M_FET_NCH_E_6P_ES6	mbx153[34A7 34D7]
Q4432	DTR-NPN-PNP-RBE_SC88	mbx153[34E7 34E7]
Q4433	TR-NPN_VMT3BEC	mbx153[34E7]
Q4451	M_FET_NCH_E_3P_VMT3G	mbx153[34E5]
	SD	
Q4452	2M_FET_NCH_E_8P_SON8	mbx153[34F4 34F3]
Q4461	M_FET_NCH_E_8P_SON8	mbx153[34D4]
Q4462	2M_FET_NCH_E_6P_ES6	mbx153[34D4 34D5]
Q4501	DTR-NPN-RBE_FSM3BEC	mbx153[35A7]
Q4601	DTR-NPN-PNP-RBE_FS6	mbx153[36D7 36E7]
Q4613	2M_FET_NCH_E_6P_ES6	mbx153[36D6 36C5]
Q4614	DTR-PNP-RBE_FSM3BEC	mbx153[36D5]
Q4621	DTR-NPN-PNP-RBE_FS6	mbx153[36B7 36C7]
Q4622	DTR-NPN-RBE_FSM3BEC	mbx153[36B7]
Q4623	M_FET_NCH_E_3P_VMT3G	mbx153[36B6]
	SD	
Q4640	TR-NPN_VMT3BEC	mbx153[36E5]
Q4641	TR-NPN_VMT3BEC	mbx153[36E5]
Q4650	M_FET_NCH_E_3P_VMT3G	mbx153[36C3]
	SD	
Q4702	M_FET_NCH_E_3P_VMT3G	mbx153[37B3]
	SD	
Q4712	M_FET_NCH_E_8P_SON8	mbx153[37D4]
Q4713	M_FET_NCH_E_8P_SON8	mbx153[37D4]
Q4720	2M_FET_NCH_E_6P_ES6	mbx153[37E7 37E7]
Q4781	M_FET_PCH_E_3P_VMT3G	mbx153[37D7]
	SD	
Q4782	DTR-NPN-RBE_FSM3BEC	mbx153[37D7]
Q4792	M_FET_PCH_E_8P_SOP8	mbx153[37E2]
Q4793	M_FET_PCH_E_3P_VMT3G	mbx153[37E3]
	SD	
Q4801	M_FET_PCH_E_8P_SON8	mbx153[38E4]
Q4802	M_FET_PCH_E_8P_SON8	mbx153[38E3]
Q4805	TR-NPN_VMT3BEC	mbx153[38B6]
Q4821	2M_FET_NCH_E_6P_ES6	mbx153[38B4 38C3]
Q4822	DTR-NPN-PNP-RBE_SC88	mbx153[38D3 38D2]
Q4880	M_FET_PCH_E_3P_VMT3G	mbx153[38D4]
	SD	
Q4881	M_FET_PCH_E_3P_VMT3G	mbx153[38D4]
	SD	
Q4901	2M_FET_NCH_E_6P_ES6	mbx153[39B2 39D5]
Q4902	TR-NPN_VMT3BEC	mbx153[39D6]
Q4975	TR-NPN_VMT3BEC	mbx153[39B6]
R1	R_0603	mbx153[6D5]
R2	R_1005	mbx153[6D5]
R3	R_0603	mbx153[6D5]
R5	R_0603	mbx153[6C5]
R30	R_1005	mbx153[6C4]
R31	R_1005	mbx153[6C4]
R32	R_0603	mbx153[6C3]
R33	R_0603	mbx153[6C3]
R34	R_1005	mbx153[6C2]
R35	R_1005	mbx153[6C2]
R36	R_1005	mbx153[6C2]
R37	R_1005	mbx153[6C2]
R41	R_0603	mbx153[6B7]
R42	R_0603	mbx153[6B6]
R50	R_0603	mbx153[6E4]
R60	R_0603	mbx153[6A5]
R61	R_0603	mbx153[6A5]
R111	R_1005	mbx153[7B3]
R220	R_0603	mbx153[8E7]
R221	R_0603	mbx153[8E7]
R230	R_0603	mbx153[8C5]
R231	R_0603	mbx153[8C4]
R232	R_0603	mbx153[8C4]
R234	R_0603	mbx153[8C4]
R235	R_1005	mbx153[8C5]
R240	R_1005	mbx153[8E3]
R241	R_1005	mbx153[8E3]
R242	R_0603	mbx153[8D3]
R243	R_0603	mbx153[8D3]
R244	R_0603	mbx153[8C3]
R245	R_0603	mbx153[8B5]
R246	R_0603	mbx153[8B5]
R300	R_0603	mbx153[9C3]
R301	R_1005	mbx153[9B7]
R302	R_1005	mbx153[9B7]
R303	R_1005	mbx153[9E2]
R304	R_1005	mbx153[9A7]
R305	R_1005	mbx153[9A7]
R306	R_1005	mbx153[9E2]
R307	R_1005	mbx153[9D5]
R308	R_1005	mbx153[9D5]
R311	R_1005	mbx153[9B7]
R312	R_1005	mbx153[9B7]
R314	R_1005	mbx153[9A7]
R315	R_1005	mbx153[9A7]
R321	R_1005	mbx153[9B6]
R322	R_1005	mbx153[9B6]
R323	R_1005	mbx153[9A6]
R324	R_1005	mbx153[9A6]
R331	R_1005	mbx153[9B5]
R332	R_1005	mbx153[9B5]
R334	R_1005	mbx153[9A5]
R335	R_1005	mbx153[9A5]
R340	R_0603	mbx153[9D4]
R342	R_0603	mbx153[9D4]
R501	R_1005	mbx153[13E6]
R510	R_1005	mbx153[13E4]
R511	R_1005	mbx153[13E3]
R512	R_1005	mbx153[13C4]
R513	R_1005	mbx153[13C4]
R530	R_0603	mbx153[13E7]
R532	R_0603	mbx153[13E7]
R1280	R_0603	mbx153[15D7]
R1281	R_0603	mbx153[15D6]
R1290	R_0603	mbx153[15D3]
R1291	R_0603	mbx153[15D3]
R1300	R_1005	mbx153[19C6]
R1301	R_1005	mbx153[19C6]
R1311	R_1005	mbx153[19C6]
R1312	R_1005	mbx153[19C6]
R1321	R_1005	mbx153[19D4]
R1322	R_1005	mbx153[19D4]
R1323	R_1005	mbx153[19D4]
R1324	R_1005	mbx153[19D4]
R1325	R_1005	mbx153[19D4]
R1326	R_1005	mbx153[19C4]
R1400	R_1005	mbx153[16F7]
R1401	R_1005	mbx153[16F7]
R1403	R_0603	mbx153[16D3]
R1425	R_1005	mbx153[16E6]
R1440	R_0603	mbx153[16F3]

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -		SHEET 52

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Part Cross Reference (6/8)

R1450	R_0603	mbx153[16A5]
R1451	R_0603	mbx153[16A5]
R1452	R_0603	mbx153[16A5]
R1453	R_0603	mbx153[16A5]
R1461	R_0603	mbx153[16C3]
R1462	R_0603	mbx153[16C3]
R1463	R_0603	mbx153[16B3]
R1500	R_1608	mbx153[17C5]
R1501	CONDUCTOR_1005	mbx153[17C6]
R1504	R_0603	mbx153[17D5]
R1505	R_0603	mbx153[17D5]
R1506	R_0603	mbx153[17D5]
R1507	R_0603	mbx153[17D5]
R1512	R_0603	mbx153[17C6]
R1520	R_1005	mbx153[17E4]
R1530	R_0603	mbx153[17D4]
R1531	R_0603	mbx153[17D4]
R1532	R_0603	mbx153[17D4]
R1533	R_0603	mbx153[17D4]
R1551	R_0603	mbx153[17C4]
R1553	R_0603	mbx153[17D4]
R1554	R_0603	mbx153[17C4]
R1560	R_0603	mbx153[17E1]
R1561	R_0603	mbx153[17E1]
R1562	R_0603	mbx153[17E1]
R1563	R_0603	mbx153[17E1]
R1564	R_0603	mbx153[17E1]
R1565	R_0603	mbx153[17D1]
R1570	R_0603	mbx153[17B2]
R1590	R_0603	mbx153[17A7]
R1701	R_0603	mbx153[20C5]
R1702	R_0603	mbx153[20C7]
R1703	R_0603	mbx153[20C7]
R1704	R_0603	mbx153[20C7]
R1705	R_0603	mbx153[20C8]
R1706	R_0603	mbx153[20C8]
R1707	R_0603	mbx153[20B7]
R1731	R_1005	mbx153[20E5]
R1732	R_0603	mbx153[20D5]
R1733	R_0603	mbx153[20D5]
R1821	R_0603	mbx153[21D3]
R1822	R_0603	mbx153[21D4]
R1850	R_0603	mbx153[21D6]
R1851	R_0603	mbx153[21D5]
R1852	R_0603	mbx153[21D5]
R1853	R_0603	mbx153[21D6]
R1854	R_1005	mbx153[21C5]
R1855	R_1005	mbx153[21C5]
R1900	R_1005	mbx153[22C3]
R1901	CONDUCTOR_1005	mbx153[22C3]
R1910	R_0603	mbx153[22C7]
R1911	R_0603	mbx153[22B6]
R1917	R_0603	mbx153[22D7]
R1920	R_0603	mbx153[22E3]
R1921	R_0603	mbx153[22E3]
R1922	R_0603	mbx153[22E2]
R1923	R_0603	mbx153[22E2]
R1930	R_0603	mbx153[22B2]
R1931	R_0603	mbx153[22B2]
R1990	R_0603	mbx153[22C8]
R2111	R_0603	mbx153[23E3]
R2112	R_1005	mbx153[23F2]
R2113	R_1005	mbx153[23B1]
R2120	R_1005	mbx153[23D7]
R2121	R_1005	mbx153[23C7]
R2122	R_0603	mbx153[23D7]
R2123	R_1005	mbx153[23C7]
R2125	R_0603	mbx153[23E5]
R2126	R_0603	mbx153[23C5]
R2150	R_0603	mbx153[23A7]
R2151	R_1005	mbx153[23A7]
R2153	R_1005	mbx153[23B7]
R2154	R_1005	mbx153[23B7]
R2155	R_1005	mbx153[23B6]
R2156	R_1005	mbx153[23B6]
R2157	R_1005	mbx153[23B5]
R2158	R_1005	mbx153[23B5]
R2159	R_1005	mbx153[23B4]
R2160	R_1005	mbx153[23B4]
R2172	R_0603	mbx153[23C4]
R2179	R_1608	mbx153[23D2]
R2200	R_0603	mbx153[24D2]
R2251	R_1005	mbx153[24E6]
R2262	R_0603	mbx153[24D5]
R2330	R_1005	mbx153[25C4]
R2411	R_1005	mbx153[26D5]
R2412	R_1005	mbx153[26D5]
R2413	R_1005	mbx153[26C5]
R2414	R_1005	mbx153[26C5]
R2421	R_1005	mbx153[26B5]
R2422	R_1005	mbx153[26B5]
R2423	R_1005	mbx153[26B5]

R2500	R_0603	mbx153[27D7]
R2610	R_0603	mbx153[28D7]
R2620	R_0603	mbx153[28D7]
R2630	R_0603	mbx153[28C6]
R2631	R_0603	mbx153[28C6]
R2640	R_0603	mbx153[28C7]
R2641	R_0603	mbx153[28B7]
R2900	R_1005	mbx153[29E6]
R2910	R_1005	mbx153[29C6]
R2911	R_0603	mbx153[29C7]
R2912	R_0603	mbx153[29C8]
R2920	R_1005	mbx153[29E6]
R2921	R_1005	mbx153[29D6]
R2960	R_0603	mbx153[29D4]
R3900	R_0603	mbx153[30E5]
R3901	R_1005	mbx153[30D7]
R3902	R_1005	mbx153[30D7]
R3903	R_1005	mbx153[30D7]
R3906	R_1005	mbx153[30D7]
R3907	R_1005	mbx153[30C7]
R3908	R_1005	mbx153[30C7]
R3909	R_1005	mbx153[30B5]
R3910	R_1005	mbx153[30C7]
R3911	R_1005	mbx153[30C7]
R3912	R_1005	mbx153[30C6]
R3913	R_1005	mbx153[30C7]
R3914	R_1005	mbx153[30C7]
R3915	R_1005	mbx153[30C7]
R3918	R_1005	mbx153[30B6]
R3919	R_0603	mbx153[30B5]
R3920	R_0603	mbx153[30B3]
R3921	R_0603	mbx153[30C4]
R3922	R_0603	mbx153[30C4]
R3923	R_1005	mbx153[30C7]
R3924	R_1005	mbx153[30D7]
R3931	CONDUCTOR_0603	mbx153[30B7]
R3932	R_0603	mbx153[30A7]
R3933	R_1005	mbx153[30C7]
R3934	R_1005	mbx153[30C7]
R3940	R_1005	mbx153[30C5]
R3941	R_1005	mbx153[30C5]
R3950	R4P_SMD	mbx153[30D2]
R3951	R_1005	mbx153[30D5]
R3952	R_1005	mbx153[30E3]
R3953	R_0603	mbx153[30C1]
R3954	R_0603	mbx153[30E7]
R3970	R_1005	mbx153[30F6]
R3990	R_0603	mbx153[30B6]
R4101	R_1005	mbx153[31D6]
R4102	R_1005	mbx153[31D6]
R4103	R_1005	mbx153[31C6]
R4104	R_1005	mbx153[31D6]
R4105	R_1005	mbx153[31D6]
R4106	R_1005	mbx153[31D6]
R4108	R_1005	mbx153[31C6]
R4109	R_1005	mbx153[31D5]
R4111	R_1005	mbx153[31C5]
R4112	R_1005	mbx153[31E5]
R4113	R_1005	mbx153[31E4]
R4114	R_1005	mbx153[31E4]
R4121	R_1005	mbx153[31D3]
R4122	R_1005	mbx153[31D3]
R4123	R_1005	mbx153[31C3]
R4124	R_1005	mbx153[31D3]
R4125	R_1005	mbx153[31D4]
R4126	R_0603	mbx153[31D4]
R4127	R_0603	mbx153[31D4]
R4129	R_0603	mbx153[31D4]
R4130	R_0603	mbx153[31C5]
R4133	R_0603	mbx153[31C5]
R4134	R_0603	mbx153[31C5]
R4135	R_0603	mbx153[31C4]
R4150	R_1005	mbx153[31B7]
R4151	R_0603	mbx153[31A7]
R4152	R_0603	mbx153[31A7]
R4153	R_1005	mbx153[31B6]
R4181	R_0603	mbx153[31D7]
R4182	R_1005	mbx153[31D8]
R4183	R_0603	mbx153[31C2]
R4184	R_1005	mbx153[31D1]
R4185	R_0603	mbx153[31D4]
R4230	R_0603	mbx153[32E4]
R4251	R_1005	mbx153[32C2]
R4261	R_0603	mbx153[32C7]
R4262	R_1005	mbx153[32B7]
R4263	R_1005	mbx153[32B6]
R4264	R_0603	mbx153[32B4]
R4265	R_1005	mbx153[32B4]
R4266	R_1005	mbx153[32C5]
R4267	R_1005	mbx153[32B5]
R4268	R_1005	mbx153[32B5]
R4301	R4P_SMD	mbx153[33D7]

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ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -	-	SHEET 53 53

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*NOTE : □□ □□
- Location
- Schematic Diagram Sheet Number

DNI=Do Not Install

MBX-153 Part Cross Reference (7/8)

R4302	R_1005	mbx153[33C7]
R4303	R_1005	mbx153[33C7]
R4304	R_1005	mbx153[33C7]
R4305	R_1005	mbx153[33D7]
R4307	R_1005	mbx153[33D5]
R4321	R4P_SMD	mbx153[33D2]
R4322	R_1005	mbx153[33C2]
R4323	R_1005	mbx153[33C2]
R4324	R_1005	mbx153[33C2]
R4325	R_1005	mbx153[33D2]
R4327	R_1005	mbx153[33D4]
R4331	R_1005	mbx153[33C6]
R4332	R_1005	mbx153[33C6]
R4333	R_1005	mbx153[33C3]
R4334	R_1005	mbx153[33C3]
R4335	R_1005	mbx153[33C3]
R4336	R_1005	mbx153[33C4]
R4337	R_1005	mbx153[33C4]
R4350	R_1005	mbx153[33B7]
R4351	R_1005	mbx153[33B7]
R4352	R_1005	mbx153[33A7]
R4372	R_0603	mbx153[33E5]
R4373	R_1608	mbx153[33E5]
R4374	R_1608	mbx153[33E5]
R4375	R_1608	mbx153[33E5]
R4380	R_0603	mbx153[33D8]
R4381	R_0603	mbx153[33D1]
R4391	R_1005	mbx153[33D4]
R4392	R_1005	mbx153[33D4]
R4393	R_1005	mbx153[33D4]
R4394	R_0603	mbx153[33E4]
R4401	R_1005	mbx153[34B7]
R4402	R_1005	mbx153[34B6]
R4404	R_1005	mbx153[34B4]
R4411	R_0603	mbx153[34D2]
R4412	R_0603	mbx153[34C2]
R4413	R_0603	mbx153[34C2]
R4433	R_0603	mbx153[34E7]
R4434	R_0603	mbx153[34E7]
R4435	R_0603	mbx153[34E7]
R4451	R_1005	mbx153[34F5]
R4461	R_1005	mbx153[34D7]
R4462	R_1005	mbx153[34D5]
R4464	R_1005	mbx153[34D4]
R4500	R_0603	mbx153[35D7]
R4501	R_0603	mbx153[35B7]
R4510	R_1005	mbx153[35C6]
R4521	R_0603	mbx153[35D4]
R4522	R_0603	mbx153[35C3]
R4523	R_0603	mbx153[35C3]
R4531	R_0603	mbx153[35B4]
R4532	R_0603	mbx153[35B3]
R4533	R_0603	mbx153[35B3]
R4551	R_0603	mbx153[35F4]
R4552	R_0603	mbx153[35E3]
R4553	R_0603	mbx153[35E3]
R4601	R_0603	mbx153[36E7]
R4602	R_0603	mbx153[36E7]
R4611	R_1005	mbx153[36E3]
R4612	R_1005	mbx153[36E3]
R4631	R_1005	mbx153[36C4]
R4639	R_1005	mbx153[36C5]
R4640	R_1005	mbx153[36D3]
R4641	R_1005	mbx153[36C3]
R4644	R_0603	mbx153[36C2]
R4645	R_0603	mbx153[36C2]
R4647	R_1005	mbx153[36C5]
R4648	R_1005	mbx153[36D6]
R4651	R_1005	mbx153[36C3]
R4653	R_1005	mbx153[36C3]
R4654	R_1005	mbx153[36C3]
R4661	R_1005	mbx153[36E4]
R4662	R_1005	mbx153[36E4]
R4663	R_1005	mbx153[36E6]
R4664	R_1005	mbx153[36E5]
R4665	R_1005	mbx153[36D4]
R4671	R_0603	mbx153[36C7]
R4672	R_0603	mbx153[36C7]
R4681	R_1005	mbx153[36B4]
R4682	R_1005	mbx153[36B4]
R4695	R_0603	mbx153[36D3]
R4702	R_1005	mbx153[37D6]
R4703	R_0603	mbx153[37D5]
R4704	R_1005	mbx153[37D7]
R4705	R_1005	mbx153[37D7]
R4706	R_1005	mbx153[37C7]
R4707	R_0603	mbx153[37C7]
R4708	R_1005	mbx153[37D7]
R4710	CONDUCTOR_1005	mbx153[37E6]
R4711	R_1005	mbx153[37E5]
R4713	R_1005	mbx153[37E6]
R4714	R_1005	mbx153[37E7]
R4715	R_1005	mbx153[37B6]
R4716	R_1005	mbx153[37B6]
R4719	CONDUCTOR_1005	mbx153[37C6]
R4722	R_0603	mbx153[37E7]
R4723	R_1005	mbx153[37F6]
R4724	R_1005	mbx153[37F7]
R4730	R4P_SMD	mbx153[37C3]
R4733	R_0603	mbx153[37E4]
R4734	R_1005	mbx153[37D5]
R4740	R4P_SMD	mbx153[37F6]
R4741	R_0603	mbx153[37E5]
R4742	R_0603	mbx153[37E5]
R4750	R_0603	mbx153[37E1]
R4751	R_0603	mbx153[37E3]
R4752	R_0603	mbx153[37E2]
R4762	R_1005	mbx153[37C2]
R4770	R_0603	mbx153[37B3]
R4771	R_0603	mbx153[37B3]
R4772	R_0603	mbx153[37B3]
R4773	R_0603	mbx153[37B3]
R4781	R_1005	mbx153[37D7]
R4782	R_1005	mbx153[37D7]
R4783	R_1005	mbx153[37D7]
R4784	R_1005	mbx153[37C7]
R4785	R_0603	mbx153[37D7]
R4786	R_1005	mbx153[37D7]
R4791	R_0603	mbx153[37C7]
R4792	R_0603	mbx153[37C8]
R4801	R_1005	mbx153[38E4]
R4802	R_1005	mbx153[38E4]
R4806	R_1005	mbx153[38E2]
R4807	R_1005	mbx153[38E2]
R4809	R_1005	mbx153[38C7]
R4810	R_1005	mbx153[38C7]
R4811	R_1005	mbx153[38C7]
R4816	R_0603	mbx153[38B7]
R4817	R_0603	mbx153[38B6]
R4818	R_0603	mbx153[38A6]
R4819	R_1005	mbx153[38E5]
R4821	R_0603	mbx153[38D3]
R4822	R_0603	mbx153[38D3]
R4823	R_0603	mbx153[38D3]
R4841	R_0603	mbx153[38E5]
R4854	R_0603	mbx153[38D5]
R4871	R_1005	mbx153[38B4]
R4872	R_0603	mbx153[38B4]
R4873	R_0603	mbx153[38B4]
R4886	R_1005	mbx153[38C4]
R4901	R_1005	mbx153[39E7]
R4902	R_0603	mbx153[39D6]
R4903	R_0603	mbx153[39D6]
R4910	R_1005	mbx153[39E4]
R4911	R_1005	mbx153[39E4]
R4912	R_1005	mbx153[39E4]
R4913	R_1005	mbx153[39E4]
R4914	R_1005	mbx153[39E3]
R4915	R_1005	mbx153[39E3]
R4916	R_1005	mbx153[39E3]
R4917	R_1005	mbx153[39E3]
R4922	R_0603	mbx153[39E7]
R4955	R_0603	mbx153[39B3]
R4956	R_0603	mbx153[39C3]
R4958	R_0603	mbx153[39B3]
R4970	R_1005	mbx153[39A7]
R4971	R_1005	mbx153[39B6]
R4972	R_1005	mbx153[39B5]
R4973	R_1005	mbx153[39B6]
R4974	R_1005	mbx153[39C7]
R4975	R_1005	mbx153[39C6]
R4976	R_0603	mbx153[39B6]
R5001	R_0603	mbx153[40C6]
R5002	R_1005	mbx153[40C5]
R5003	R_1005	mbx153[40B5]
R5004	R_1005	mbx153[40B5]
R5006	R_1005	mbx153[40B4]
R5007	R_1005	mbx153[40C4]
R5008	R_1005	mbx153[40C4]
R5009	R_1005	mbx153[40C4]
RB240	RB4_2010	mbx153[8E3]
RB241	RB4_2010	mbx153[8D3]
RB242	RB4_2010	mbx153[8D3]
RB243	RB4_2010	mbx153[8C3]
RB244	RB4_2010	mbx153[8C3]
RB1120	RB4_1406	mbx153[14F7]
RB1121	RB4_1406	mbx153[14E7]
RB1122	RB4_1406	mbx153[14E7]
RB1123	RB4_1406	mbx153[14E7]
RB1124	RB4_1406	mbx153[14E7]
RB1125	RB4_1406	mbx153[14D7]
RB1126	RB4_1406	mbx153[14D7]
RB1130	RB4_1406	mbx153[14F6]
RB1131	RB4_1406	mbx153[14E6]

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPR.

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-	QTY 1	REV.	PART NO. -
SIZE C	DESIGNER -		SHEET 54

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*NOTE : □□ □□
Location
Schematic Diagram Sheet Number
DNI=Do Not Install

MBX-153 Part Cross Reference (8/8)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

RB1132	RB4_1406	mbx153[14E6]
RB1133	RB4_1406	mbx153[14E6]
RB1134	RB4_1406	mbx153[14E6]
RB1135	RB4_1406	mbx153[14D6]
RB1136	RB4_1406	mbx153[14D6]
RB1150	RB4_1406	mbx153[14C8]
RB1151	RB4_1406	mbx153[14C8]
RB1152	RB4_1406	mbx153[14C8]
RB1153	RB4_1406	mbx153[14B8]
RB1154	RB4_1406	mbx153[14B8]
RB1155	RB4_1406	mbx153[14B8]
RB1156	RB4_1406	mbx153[14A8]
RB1157	RB4_1406	mbx153[14A8]
RB1158	RB4_1406	mbx153[14C6]
RB1159	RB4_1406	mbx153[14C6]
RB1160	RB4_1406	mbx153[14C6]
RB1161	RB4_1406	mbx153[14B6]
RB1162	RB4_1406	mbx153[14B6]
RB1163	RB4_1406	mbx153[14B6]
RB1164	RB4_1406	mbx153[14A6]
RB1165	RB4_1406	mbx153[14A6]
RB1166	RB4_1406	mbx153[14C5]
RB1167	RB4_1406	mbx153[14C5]
RB1168	RB4_1406	mbx153[14C5]
RB1169	RB4_1406	mbx153[14B5]
RB1170	RB4_1406	mbx153[14B5]
RB1171	RB4_1406	mbx153[14B5]
RB1172	RB4_1406	mbx153[14A5]
RB1173	RB4_1406	mbx153[14A5]
RB1401	RB4_1406	mbx153[16C5]
RB1402	RB4_1406	mbx153[16C5]
RB1403	RB4_1406	mbx153[16B5]
RB1404	RB4_1406	mbx153[16B5]
RB1405	RB4_1406	mbx153[16C5]
RB1406	RB4_1406	mbx153[16C5]
RB1407	RB4_1406	mbx153[16B5]
RB1408	RB4_1406	mbx153[16C3]
RB1409	RB4_1406	mbx153[16C3]
RB1410	RB4_1406	mbx153[16C3]
RB1510	RB4_2010	mbx153[17C6]
RB1520	RB4_1406	mbx153[17F5]
RB1521	RB4_2010	mbx153[17E4]
RB1522	RB4_2010	mbx153[17E4]
RB1523	RB4_2010	mbx153[17E4]
RB1524	RB4_2010	mbx153[17E4]
RB1560	RB4_2010	mbx153[17D2]
RB1561	RB4_2010	mbx153[17D1]
RB1910	RB4_1406	mbx153[22E6]
RB1911	RB4_1406	mbx153[22E4]
RB1912	RB4_1406	mbx153[22E4]
RB1913	RB4_1406	mbx153[22E3]
RB1914	RB4_1406	mbx153[22E3]
RB1930	RB4_2010	mbx153[22A1]
RB1940	RB4_1406	mbx153[22C5]
RB1941	RB4_1406	mbx153[22C6]
RB1950	RB4_2010	mbx153[22B4]
RB2400	RB4_1406	mbx153[26E7]
RB2401	RB4_1406	mbx153[26E6]
RB2960	RB4_1406	mbx153[29D4]
SL1300	SHORTLAND_SMD	mbx153[19E6]
SL1570	SHORTLAND_SMD	mbx153[17B3]
SL1900	SHORTLAND_SMD	mbx153[20D7]
SL1910	SHORTLAND_SMD	mbx153[22C5]
SL2171	SHORTLAND_SMD	mbx153[23D1]
SL2172	SHORTLAND_SMD	mbx153[23C3]
SL2210	SHORTLAND_SMD	mbx153[24C5]
SL2211	SHORTLAND_SMD	mbx153[24B6]
SL2330	SHORTLAND_SMD	mbx153[25C4]
SL2331	SHORTLAND_SMD	mbx153[25C4]
SL2332	SHORTLAND_SMD	mbx153[25C4]
SL2333	SHORTLAND_SMD	mbx153[25C4]
SL2590	SHORTLAND_SMD	mbx153[27B5]
SL3900	SHORTLAND_05MM	mbx153[30E7]
SL3901	SHORTLAND_05MM	mbx153[30E7]
SL3902	SHORTLAND_05MM	mbx153[30E7]
SL3903	SHORTLAND_05MM	mbx153[30E7]
SL3904	SHORTLAND_05MM	mbx153[30E7]
SL3905	SHORTLAND_05MM	mbx153[30E7]
SL3906	SHORTLAND_05MM	mbx153[30D7]
SL3907	SHORTLAND_SMD	mbx153[30E6]
SL3941	SHORTLAND_SMD	mbx153[30C5]
SL4391	SHORTLAND_SMD	mbx153[33E4]
SL4500	SHORTLAND_SMD	mbx153[35E7]
SL4501	SHORTLAND_SMD	mbx153[35D7]
SL4510	SHORTLAND_SMD	mbx153[35C7]
SL4520	SHORTLAND_SMD	mbx153[35E7]
SL4522	SHORTLAND_SMD	mbx153[35C4]
SL4532	SHORTLAND_SMD	mbx153[35A4]
SL4551	SHORTLAND_SMD	mbx153[35E4]
SL4552	SHORTLAND_SMD	mbx153[35E4]
SL4553	SHORTLAND_SMD	mbx153[35D3]
SL4800	SHORTLAND_SMD	mbx153[38C6]

SL4901	SHORTLAND_SMD	mbx153[39E7]
SL4971	SHORTLAND_025MM	mbx153[39A7]
TH111	POLYSW_1608	mbx153[7B3]
TH3850	POLYSW_1608	mbx153[38D4]
TH3950	POLYSW_1005	mbx153[30E3]
TP13	TESTPAD_-	mbx153[6C6]
TP14	TESTPAD_-	mbx153[6C6]
TP20	TESTPAD_-	mbx153[6B2]
TP21	TESTPAD_-	mbx153[6B2]
TP22	TESTPAD_-	mbx153[6B2]
TP23	TESTPAD_-	mbx153[6B2]
TP24	TESTPAD_-	mbx153[6B2]
TP25	TESTPAD_-	mbx153[6B2]
TP26	TESTPAD_-	mbx153[6B2]
TP27	TESTPAD_-	mbx153[6B2]
TP28	TESTPAD_-	mbx153[6B2]
TP29	TESTPAD_-	mbx153[6B2]
TP30	TESTPAD_-	mbx153[6A2]
TP31	TESTPAD_-	mbx153[6A2]
TP32	TESTPAD_-	mbx153[6A2]
TP33	TESTPAD_-	mbx153[6A2]
TP300	TESTPAD_-	mbx153[9C7]
TP301	TESTPAD_-	mbx153[9C7]
TP302	TESTPAD_-	mbx153[10C2]
TP303	TESTPAD_-	mbx153[10C2]
TP304	TESTPAD_-	mbx153[10C2]
TP305	TESTPAD_-	mbx153[10C2]
TP306	TESTPAD_-	mbx153[10C2]
TP307	TESTPAD_-	mbx153[10C2]
TP310	TESTPAD_-	mbx153[9D1]
TP311	TESTPAD_-	mbx153[9D1]
TP312	TESTPAD_-	mbx153[9D1]
TP313	TESTPAD_-	mbx153[9D1]
TP314	TESTPAD_-	mbx153[9D1]
TP315	TESTPAD_-	mbx153[9D1]
TP316	TESTPAD_-	mbx153[9D2]
TP317	TESTPAD_-	mbx153[9D2]
TP318	TESTPAD_-	mbx153[9D2]
TP319	TESTPAD_-	mbx153[9D2]
TP320	TESTPAD_-	mbx153[9C5]
TP321	TESTPAD_-	mbx153[9C5]
TP322	TESTPAD_-	mbx153[9C5]
TP323	TESTPAD_-	mbx153[9C5]
TP324	TESTPAD_-	mbx153[9C5]
TP325	TESTPAD_-	mbx153[9D2]
TP326	TESTPAD_-	mbx153[9D2]
TP327	TESTPAD_-	mbx153[9D2]
TP328	TESTPAD_-	mbx153[9C2]
TP350	TESTPAD_-	mbx153[10C7]
TP351	TESTPAD_-	mbx153[10C7]
TP1200	TESTPAD_-	mbx153[15A4]
TP1201	TESTPAD_-	mbx153[15A4]
TP1202	TESTPAD_-	mbx153[15A4]
TP1203	TESTPAD_-	mbx153[15A4]
TP1204	TESTPAD_-	mbx153[15A4]
TP1205	TESTPAD_-	mbx153[15A4]
TP1206	TESTPAD_-	mbx153[15A4]
TP1207	TESTPAD_-	mbx153[15A4]
TP1208	TESTPAD_-	mbx153[15A4]
TP1209	TESTPAD_-	mbx153[15A4]
TP1210	TESTPAD_-	mbx153[15A4]
TP1211	TESTPAD_-	mbx153[15A4]
TP1220	TESTPAD_-	mbx153[15A6]
TP1221	TESTPAD_-	mbx153[15A6]
TP1400	TESTPAD_-	mbx153[16E7]
TP1401	TESTPAD_-	mbx153[16E7]
TP1425	TESTPAD_-	mbx153[16D6]
TP1450	TESTPAD_-	mbx153[16F3]
TP1520	TESTPAD_-	mbx153[17F4]
TP1560	TESTPAD_-	mbx153[17D1]
TP1561	TESTPAD_-	mbx153[17E2]
TP1700	TESTPAD_-	mbx153[20D7]
TP1800	TESTPAD_-	mbx153[21C7]
TP1900	TESTPAD_-	mbx153[22D1]
TP3901	TESTPAD_-	mbx153[30D2]
TP3902	TESTPAD_-	mbx153[30D2]
TP4800	TESTPAD_-	mbx153[38E7]
TP4801	TESTPAD_-	mbx153[38E7]
X220	XTAL_3225+2	mbx153[8E7]
X1300	XTAL_3225+2	mbx153[19C6]
X1500	XTAL_3215	mbx153[17C5]
X1900	XTAL_3225+2	mbx153[22C3]

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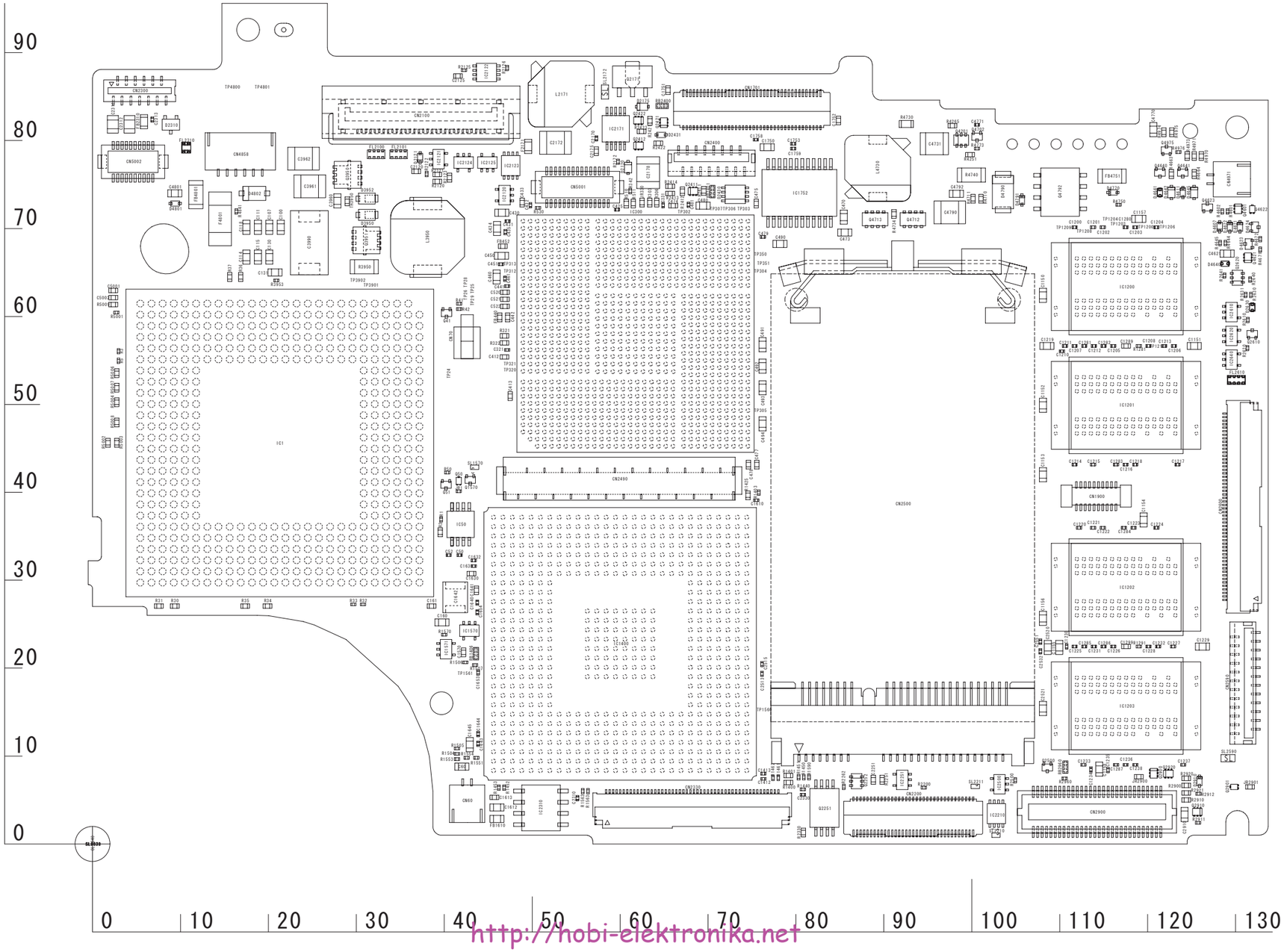
MBX-153 Board

Side A



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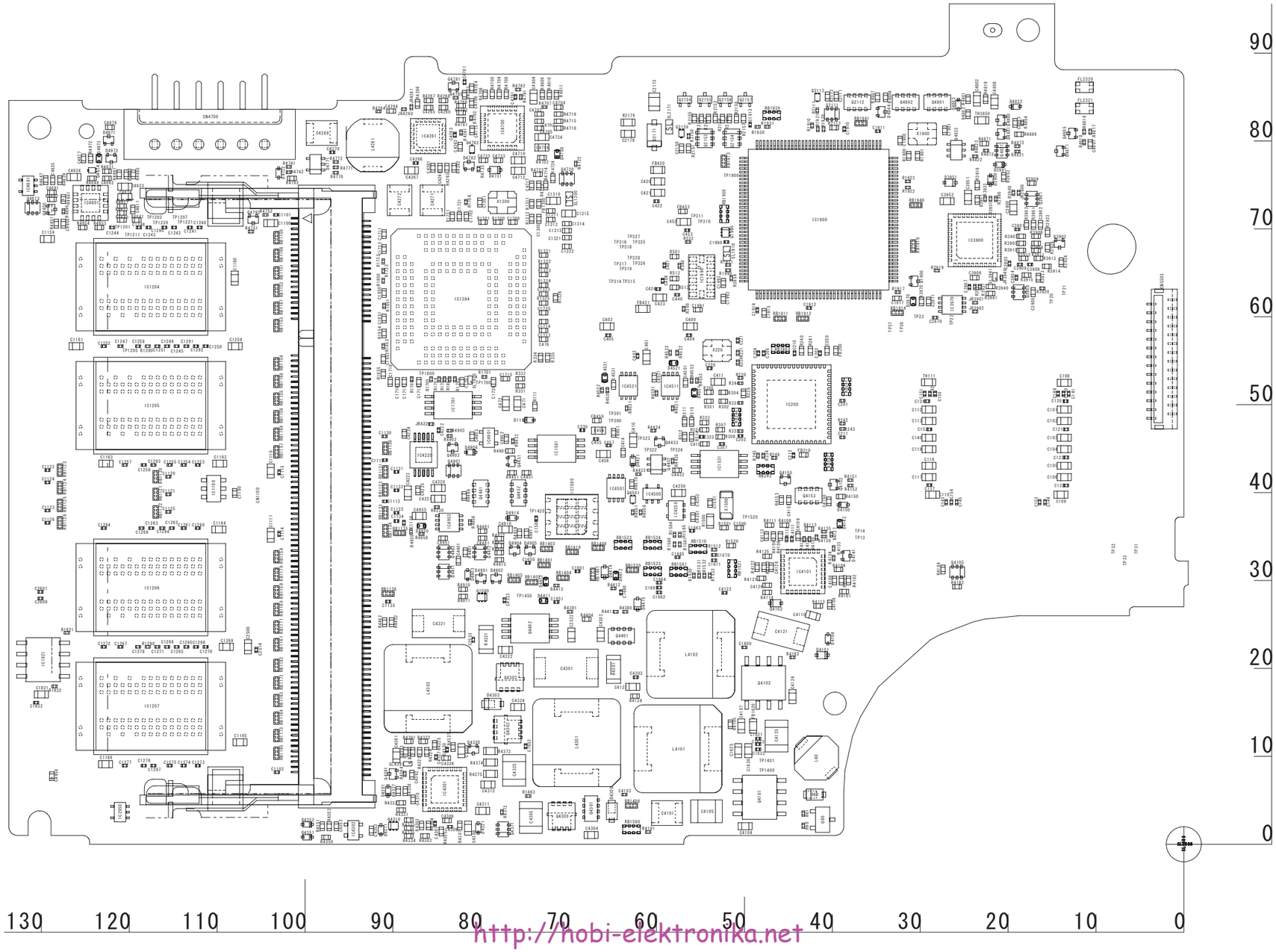
MBX-153 Board

Side B



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List of TX Series (As of July, 2006)

Service Manual Parts No.	Model Name			
	J	AM	EU	AO
B-876-428-xx	VGN-TX50B/B VGN-TX70PZ VGN-TX90PS VGN-TX90PS* VGN-TX90S*	VGN-TX610P/B VGN-TX630P/B VGN-TX650FP VGN-TX650P/B VGN-TX651P/B VGN-TX670P/B VGN-TX670P/W VGN-TX690P/L	VGN-TX1HP/W VGN-TX1XP/B GN-TX1XP/L VGN-TX1XRP/B	VGN-TX15C/W VGN-TX16C/B VGN-TX16C/W VGN-TX16GP/W VGN-TX16LP/W VGN-TX16SP/W VGN-TX16TP/W VGN-TX17C/B VGN-TX17C/L VGN-TX17GP/B VGN-TX17GP/W VGN-TX17LP/B VGN-TX17TP/B
B-876-452-xx	VGN-TX51B/B VGN-TX91PS* VGN-TX91S*	VGN-TX750FP VGN-TX750P/B VGN-TX751P/B VGN-TX770P/B VGN-TX770P/T VGN-TX770P/W VGN-TX790P/L	VGN-TX2HP/W VGN-TX2XP/B VGN-TX2XP/L VGN-TX2XRP/B	VGN-TX25C/W VGN-TX26C/B VGN-TX26C/T VGN-TX26C/W VGN-TX26GP/W VGN-TX26LP/W VGN-TX26SP/W VGN-TX26TP/W VGN-TX27CP/B VGN-TX27CP/L VGN-TX27GP/B VGN-TX27GP/T VGN-TX27GP/W VGN-TX27LP/B VGN-TX27TP/B VGN-TX28CP/L
B-876-473-xx	VGN-TX52B/B VGN-TX72B/B VGN-TX72PZ VGN-TX92PS* VGN-TX92S*	VGN-TX850FP VGN-TX850P/B	VGN-TX3HP/W VGN-TX3XP/B VGN-TX3XP/L VGN-TX3XRP/B	 VGN-TX36C/B VGN-TX36C/T VGN-TX36C/W VGN-TX36GP/W VGN-TX36SP/W VGN-TX37CP/B VGN-TX37CP/L VGN-TX37GP/B VGN-TX37GP/T VGN-TX37GP/W VGN-TX37LP/B VGN-TX37SP/B VGN-TX37TP/B VGN-TX38CP/L

*: CTO model

: Additional Models

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2006.06.19	First Edition	
-02	Ver. 2	2006.07.14	⚠1 **Front Page (Model Lineup), Page 2-13, Back Cover**	-

<Remarks>