

1. THIS DRAWING SPECIFIES THE REQUIREMENTS FOR A PRINTED WIRING BOARD IN ACCORDANCE WITH SPECIFICATION IPC-A-600 CLASS 2 (LATEST REVISION).

3. BASE MATERIAL - LAMINATE AND PREPREG SHALL MEET IPC-4101B-26, 83 or 98  
Tg - MUST BE GREATER THAN OR EQUAL TO 150 DEGREES CELSIUS.  
Td - MUST BE GREATER THAN OR EQUAL TO 330 DEGREES CELSIUS.

5. CHARACTERISTIC IMPEDANCE - NOT APPLICABLE

7. PLATING FINISH - BOTH SIDES ENIG (ELECTROLESS NICKEL IMMERSION GOLD):  
.05080-.232 MICRON (2-8 MICROINCH) OF GOLD OVER  
2.540-6.350 MICRON (100-250 MICROINCH) OF NICKEL.

9. SOLDERMASK - ORANGE COLOR (TAIYO OR EQUIVALENT), BOTH SIDES.  
MODIFICATION OF SOLDERMASK IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM FREESCALE.

11. ELECTRICAL TEST - 100% IPCD356.

13. DRC'S MUST BE RUN ON THE GERBER BEFORE BUILDING BOARDS, UNLESS PRIOR APPROVAL IS GIVEN IN WRITING BY FREESCALE.

15. TWO SOLDER SAMPLES TO BE PROVIDED.

17. SUPPLIER MARKINGS - ON SOLDER SIDE ONLY, WHERE SHOWN.  
- MUST BE UL RECOGNIZED AND MUST HAVE AN ID THAT CONFORMS TO UL94V-0

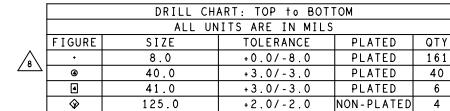
19. THE PWB WILL BE MARKED AS LEAD FREE PROCESS COMPATIBLE BY USE OF AN INK STAMP (260°C)

21. FINISHED PCB MUST BE PANELIZED FOR ASSEMBLY ACCORDING TO CONTRACT MANUFACTURERS REQUIREMENTS. THE ADDITION OF RAILS AND .125"NON-PLATED TOOLING HOLES ARE AT THE DISCRETION OF CONTRACT MANUFACTURER.PANELIZATION MUST BE APPROVED BY CONTRACT MANUFACTURER.

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SH1 VDD_1 & VDD/VDD_3115
SH2 VDDIO_1 & VDDIO/VDDIO_3115
SH3 GND_1 & GND/GND_1
SH4 J3-3 & INT2_3115
SH5 J4-6 & I2C_SCL1
SH6 J3-6 & INT1_3115
SH7 J4-5 & I2C_SDA1
SH8 J5-9 & I2C_SDA0
SH9 J5-10 & I2C_SCL0

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	LAYER 1	L1_PS	1 oz.
	LAYER 2	L2_SS	1 oz.

DETAIL A  
LAYER STACKUP

PART NO. <b>170-28981</b>		<b>FREESCALE</b>	
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .01 ANGLES .5-30° .005 ALL OTHER DIMENSIONS BORE AND SHAFT ENDS AND CORNERS, REMOVE BURRS. DIMENSIONS SHOWN NOT TO BOLE, TO BE AS SHOWN. THIS IS AN A3 CAD FILE.		6501 WILLIAM CANNON DRIVE WEST AUSTIN, TEXAS 78735 USA  <b>PRINTED WIRING BOARD</b> <b>FRDMSTBC-P3115</b>	
APPROVALS DRAWN FRANK L DESIGNED KRITHI S CHECKED FRANK L		DATE 11-09-15 11-09-15 11-09-15	
TITLE PRINTED WIRING BOARD FRDMSTBC-P3115		SIZE CAD FILE NAME DWG. NO. FAB-28981	
REVISION A		REVISION A	
SCALE 1/1		SCALE DRAWING	
SHEET 1		OF 1	