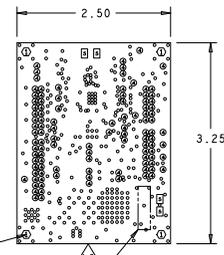


NOTES (UNLESS OTHERWISE SPECIFIED):

1. THIS DRAWING SPECIFIES THE REQUIREMENTS FOR A PRINTED WIRING BOARD IN ACCORDANCE WITH SPECIFICATION IPC-6012 CLASS 2 (LATEST REVISION).
  2. THE PWB MUST BE LEAD FREE ASSEMBLY PROCESS COMPATIBLE AND MUST BE ABLE TO HANDLE A MINIMUM OF 5 CYCLES AT 260 DEGREES CELSIUS FOR 10 SECONDS.
  3. BASE MATERIAL - LAMINATE AND PREPREG SHALL MEET IPC-4101D-26, 83 or 98  
T<sub>g</sub> - MUST BE GREATER THAN OR EQUAL TO 150 DEGREES CELSIUS.  
T<sub>d</sub> - MUST BE GREATER THAN OR EQUAL TO 330 DEGREES CELSIUS.
  4. COPPER FOIL WEIGHT - SEE STACKUP DETAIL 'A'
  5. CHARACTERISTIC IMPEDANCE - NONE
  6. MINIMUM CONDUCTIVE WIDTH/SPACING TO BE .010"/.010"
  7. PLATING FINISH: A. BOTH SIDES ENIG; TO MEET THE REQUIREMENTS OF IPC-4552 (LATEST REVISION).
- △ ALL THROUGH HOLE VIAS MAY BE PLATED SHUT.
9. SOLDERMASK - TO MEET THE REQUIREMENTS OF IPC-5M-840E (OR LATEST REVISION).  
GREEN COLOR, BOTH SIDES. MODIFICATION OF SOLDERMASK IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM NXP.  
TYPE: LPI OR EQUIVALENT.  
A. LOCATION = +/- .002" OF PLATED PADS.  
B. DIAMETER OR SIZE = +/- .002 OF ORIGINAL DATA
10. SILKSCREEN - WHITE EPOXY OR ACRYLIC INK, BOTH SIDES. NO SILKSCREEN ON ANY EXPOSED COPPER FEATURE.
  11. ELECTRICAL TEST - 100% IPCD356.
  12. PRINTED WIRING BOARD IS TO BE INDIVIDUALLY BAGGED.
  13. DFM CHECK MUST BE RUN ON THE GERBER BEFORE BUILDING BOARDS, UNLESS PRIOR APPROVAL IS GIVEN IN WRITING BY NXP.
  14. TEARDROPS MAY BE ADDED AT THE FAB HOUSE TO ALL SIGNAL LAYERS.
  15. TWO SOLDER SAMPLES TO BE PROVIDED.
  16. SUPPLIER MARKINGS - ON SECONDARY SIDE ONLY, WHERE SHOWN.  
- MUST BE UL RECOGNIZED AND MUST HAVE AN ID THAT CONFORMS TO UL94V-0
  17. THE PWB WILL BE MARKED AS LEAD FREE BY USE OF AN INK STAMP (Pb)
  18. THE PWB WILL BE MARKED AS LEAD FREE PROCESS COMPATIBLE BY USE OF AN INK STAMP (260°C)
  19. ALL PLATED AND NON-PLATED THROUGH HOLES ARE TO BE DRILLED AT PRIMARY DRILL STEP. ALL HOLE LOCATION TOLERANCES ARE TO BE +/- .002 IN REFERENCE TO THE PRIMARY DATUM UNLESS OTHERWISE SPECIFIED.
  20. 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.
  21. THIS BOARD USES VIA-IN-PAD:  
A. VIA-IN-PAD TO BE FILLED WITH NON-CONDUCTIVE VIA FILL.  
LACKMERE-PETERS P9279S OR EQUIVALENT AND MADE PLANAR TO THE PADS.  
B. OVERPLATE THE FILLED VIA AND APPLY FINISH METAL TREATMENT.
  22. THE MANUFACTURE HAS THE OPTION TO ADD COPPER THIEVING ON OUTER AND INNER LAYERS. KEEP A MINIMUM DISTANCE OF .100" FROM ANY BOARD FEATURES.
  23. MALE HEADERS J1, J2, J3, AND J4 SHOULD BE MOUNTED ON THE BOTTOM LAYER

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		ORIGINAL RELEASE	08-17-17	W. A.
A		FINAL RELEASE	08-16-17	W. A.

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	10.0	+0.0/-10.0	PLATED	319
⊙	40.0	+3.0/-3.0	PLATED	105
⊠	51.0	+3.0/-3.0	PLATED	4
⊕	116.0	+3.15/-0.0	PLATED	4



± .062 \* +/- 10%

PRIMARY DATUM  
GRID ORIGIN

		FINISHED Cu WEIGHT	
	LAYER 1 COMPONENT SIDE	1.0 oz.	
	LAYER 2 GROUND PLANE	0.5 oz.	
	LAYER 3 GROUND PLANE	0.5 oz.	
	LAYER 4 GROUND PLANE	1.0 oz.	

DETAIL A  
LAYER STACKUP  
SCALE: NONE

<input type="checkbox"/> COMPANY PUBLIC <input checked="" type="checkbox"/> COMPANY INTERNAL <input type="checkbox"/> COMPANY CONFIDENTIAL		PART NO. <b>170-30006</b>		THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO NXP AND SHALL NOT BE USED FOR ENGINEERING DESIGN, PRODUCTION OR MANUFACTURE IN WHOLE OR IN PART WITHOUT THE CONSENT OF NXP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES .XX .XX .00 D-30° .XXX .XX .00		APPROVALS DATE DRAWN W. A. 08-17-17 CHECKED STACY CUI 08-17-17 DESIGN ENGINEER W. A. 08-17-17		NXP SEMICONDUCTORS 6501 WILLIAM CANNON DRIVE WEST AUSTIN, TEXAS 78735 USA PRINTED WIRING BOARD FRDM33926PNBEVM	
<input checked="" type="checkbox"/> ALL MACHINED SURFACES BREAK ALL SHARP EDGES AND CORNERS. REMOVE BURRS. DIMENSIONS SHOWN TO SCALE. THREE ANGLE ORTHOGRAPHIC PROJECTION IS USED.		SIZE CAD FILE NAME DWG. NO. D LAY-30006 FAB-30006	REV A	SCALE 1/1 DO NOT SCALE DRAWING SHEET 1 OF 1	