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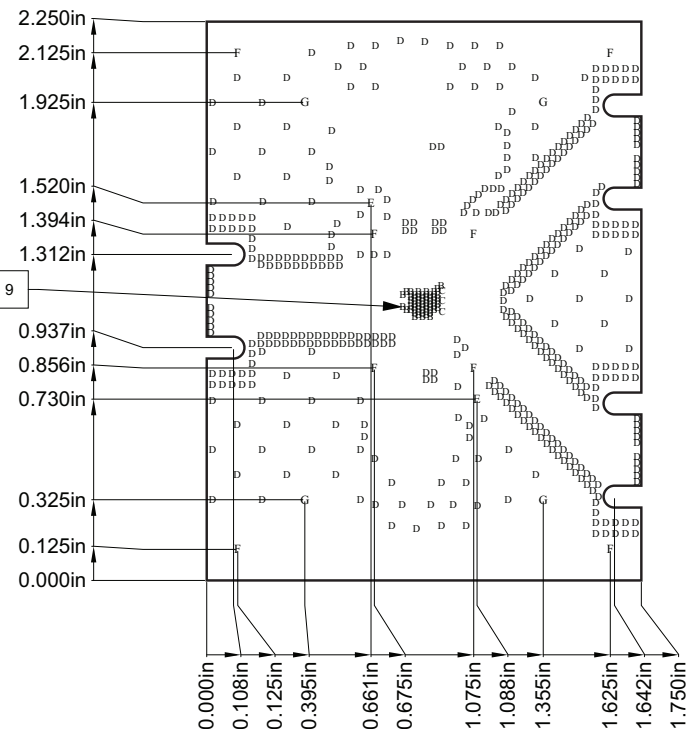
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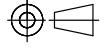
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**NOTES (UNLESS OTHERWISE SPECIFIED):**

- BOARD FABRICATION METHODS MUST COMPLY WITH:  
FABRICATE IN ACCORDANCE WITH IPC-6018B, per IPC-6011, CLASS 2.
- ARTWORK FORMAT: GERBER 274X  
GERBER DATA SUPPLIED WITH DESIRED FINAL TRACE WIDTHS. PROCESS  
COMPENSATION TRACE WIDTH ADJUSTMENTS TO BE DONE BY PCB FABRICATOR
- MATERIAL:  
NUMBER OF LAYERS: 2 LAYERS  
METAL 1 0.5oz. (PLATE TO 1.0oz)  
CORE 1: ROGERS 4003C, .008in. THICK  
METAL 2 0.5oz. (PLATE TO 1.0oz)  
SOLDERMASK TOP: LPI (LIQUID PHOTO-IMAGEABLE), GREEN OR LDI (LASER DIRECT IMAGEABLE), GREEN. MAX FINISH  
THICKNESS OF SOLDERMASK TO BE 0.001in.  
SILKSCREEN TOP: HIGH TEMPERATURE, NON-CONDUCTIVE, WHITE EPOXY BASED INK.
- FINISH PLATING:  
METAL 1(TOP) AND METAL 2(BOTTOM):  
ELECTROLYTIC FLASH GOLD  
NICKEL PLATE per QQ-N-290, CLASS 1, GRADE G, 200µin. (5µm)  
GOLD PLATE per ASTM B 488, TYPE III, CODE A, 3-10µin. (0.08-0.25µm)
- FINISHED BOARD THICKNESS: (0.011in) ±0.003in.
- COPPER IS PULLED BACK PER GERBER DATA FROM EDGE OF BOARD ON  
METAL 1 (TOP) AND METAL 2 (BOTTOM).
- TOLERANCE: PC BOARD OUTLINE: ±0.002in.
- BURRS SHALL NOT EXCEED 0.002in.
- VIA PLATING/FILLING:  
A. ALL 8 MIL (A) VIAS UNDER THE DUT ARE TO BE COPPER-FILLED, OVER-PLATED AND PLANARIZED.  
B. ALL OTHER VIAS ARE TO BE NON-CONDUCTIVE EPOXY FILLED, OVER-PLATED AND PLANARIZED.  
C. ALL OTHER PLATED THRU HOLES TO BE PLATED TO 0.0007in. MIN. THICKNESS.
- METAL 1(TOP) AND METAL2(BOTTOM) AFTER OVERPLATING AND PLANARIZATION SHALL HAVE A MAX  
ALLOWABLE NEGATIVE FEATURE OF 0.0008in. AND A MAX ALLOWABLE POSITIVE FEATURE OF 0.0003in.
- FINISHED Cu THICKNESS TO BE 0.0014 ±0.0004in.
- CONDUCTOR WIDTHS AND SPACING TO BE WITHIN 0.003in. OF CAD DATABASE.
- SOLDERMASK IN PLATED-THRU HOLES IS ACCEPTABLE AS LONG AS IT DOES NOT EXIST ON BACKSIDE OF BOARD.
- ALL HOLES TO BE LOCATED WITHIN ±0.003 OF CAD DATABASE.
- NO VENDOR MARKING OR SERIALIZATION ALLOWED.
- DELIVER BOARDS BAGGED AS SINGLES
- NO ELECTRICAL TEST NEEDED.

DUT AREA/COPPER-FILLED



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES		SAP NO. 286584			
TOLERANCES .XX = ±.01 .XXX = ±.005 .XXXX = ±.0010 ANGLES = ± 0.5°		APPROVAL AND RELEASE RECORDS MAINTAINED IN PDE			
INTERPRET DRAWING PER ANSI/ASME Y14.5 - 2009		DESIGNER	O.MARRUFO	12/14/17	TITLE:  PCB, QPF4001 EVB
 THIRD ANGLE PROJECTION DO NOT SCALE DRAWING		ENGR.	D.WOHLERT	12/14/17	
		MFG MANAGER Q.A.		PDE CONTROLLED	
		CAGE CODE		1CVM1	
		SIZE	DWG. NO.		REV.
		B	QPF4001-4000		A
		SCALE: 1:1		SHEET 1 OF 4	

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