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## Notes: (Unless Otherwise Specified)

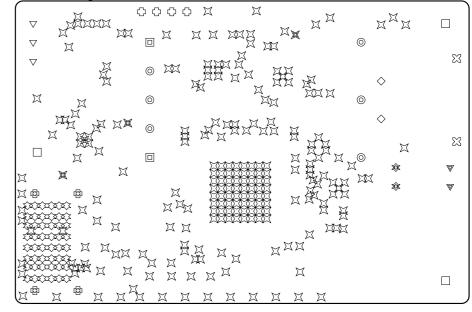
- 1. General Requirement:
  - a. Fabricate to meet IPC-2221, IPC-6011, and IPC-6012 (latest revisions) Class 2, except where otherwise specified.
  - b. Board shall be electrically tested per current revision of IPC 6012 and IPC 9252 class II. Completed electrical test Boards must be marked in permanent non-conductive ink next to supplier UL recognition mark. Use Net Tie Report (if supplied) for identifying deliberate shorts in netlist.
  - c. Configuration of the printed circuit board not specifically dimensioned on the drawing shall be controlled by the gerber data.
  - d. PCB fabrication process and materials must be compliant with the Hazardous Substances(ROHS) Directive and compatible with Pb Free assembly process.
- 2. Material
  - a. Glass epoxy, natural color, laminated Isola 370HR or equivalent.
- 3. Plating shall be ENIG per IPC-4552 (latest revision).
- Surface Finish:
  - a. ALL external metal finish not covered by soldermask shall be plate 118-250 micro-inches of Electroless Nickel and 2 - 8 microinches of Immersion Gold
- 5. Theiving pattern shall not be added to PCB unless explicitly approved.
- 6. Layer to layer registration shall be within 0.15mm (0.005 in) of gerber data.
- - a. All hole symbols may not be shown in the drawing. See Drill chart for details.
  - b. Diameters in the drill table are finished hole sizes with +/-0.003" tolerance unless
    - otherwise specified in the drill table.
- 8. Marking:
  - a. Soldermask, photo-imaged liquid polymer on both sides of boards in accordance with IPC-SM-840, Type B, Class 2, over bare copper. Soldermask color to be BLUE
  - b. Component Marking: Silkscreen both sides with non-conductive epoxy ink. Lands and exposed plated areas to be free of ink. Silk color to be WHITE
  - c. Identification: Fab vendor logo and part number with current revision to be etched on the top side.
  - Silkscreen date code on solder side near part number. Supplier shall not add any text or marking in the copper.
- 9. The materials and process used to fabricate this part are to be consistent with the directive 2011/65/EU restriction of hazardous substances in electrical and electronics equipment (ROHS). the findished part to be accompanied by a signed certificate of compliance to the directive 2011/65/EU.



Drill	Table
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Symbol	Count	Hole Size	Plated	Hole Tolerance
圍	4	0.50	Plated	
₿	48	0.40	Plated	
O	4	0.89	Plated	
0	6	1.10	Plated	
	2	1.75	Plated	
$\nabla$	3	0.90	Plated	
*	2	1.20	Plated	
♥	2	1.60	Non-Plated	
	3	3.30	Plated	
<b>♦</b>	2	1.70	Plated	+/-0.08
X	2	1.00	Plated	+/-0.08
Ħ	256	0.20	Plated	
×	3	0.71	Plated	

**Drill Drawing View** 



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