



Drill Table			
Hole Dia (inch)	Symbol	Quantity	Plated
0.012	+	169	Yes
0.042	+	201	Yes
0.047	X	8	Yes
0.057	M	4	No
0.089		2	No
0.125	<b>♦</b>	5	No

NOTES: unless otherwise specified

1.0 Fabricate circuit board to conform to IPC-6010.

Applicable documents The following items are required: PATTERN FILM / GERBER DATA DWG # TRNT-EL-04-3008 DETAIL DRAWING DWG # TRNT-EL-04-1008 THIS DOCUMENT

- 1.1 Artwork may not be modified except for process control.
- 2.1 Laminate base material shall be natural color, FR370 or equivalent. See Detail A-A for layer to layer specification and overall thickness.
- 2.2 B-Stage shall be selected at vendors discretion to meet over all board thickness and end item requirements.
- 3.0 COPPER PLATING
- 3.1 Copper plating shall have a minimum purity of 99.5 percent and a minimum thickness of .001 inch. This also applies to the plating in the holes.
- 4.1 Apply LPI black soldermask over bare copper according to the soldermask pattern file per IPC-SM-840.
- 5.1 EXPOSED COPPER SHALL BE Ni/Au -- IMMERSION GOLD 3-5u INCH (0.000003-0.000005) OVER ELECTROLESS NICKEL 100-200u INCH (0.00001-0.00002) THICK IAW IPC-2221 AND IPC-4552 (ENIG).
- 6.0 SILK SCREEN
- 6.1 Silk screen top (-1) and bottom (-4) side of board using white epoxy ink according to the -1S pattern film and the -4S pattern film. Ink shall not cover any exposed metal.
- 7.0 DIMENSIONS
- 7.1 All dimensions are in inches [mm]
- 7.2 Unless otherwise specified all hole sizes apply after plating. Hole sizes are shown in the drill schedule.
- 8.0 TOLERANCES
- 8.1 Hole size tolerance +- .003 after plating unless otherwise specified.
- 8.2 Conductor widths and spacing shall be within 20% of the artwork originals.
- 8.3 Layer to layer registration shall be .007 inches of true position 8.4 Board dimensions shall meet the requirements of the board drawing.
- 8.5 Warp and twist shall not exceed that defined in IPC-A-600.
- 9.0 APPEARANCE 9.1 All inside and outside corners shall have a maximum radius of .065
- 9.2 Remove all burrs and smooth sharp edges to .010 max.

VENDOR NOTE: NOTIFY US OF ANY CONFLICTING REQUIREMENTS OR IF BOARDS CANNOT BE MANUFACTURED TO MEET THE ABOVE REQUIREMENTS, DUE TO VENDORS PROCESS AND/OR TECHNIQUES OR BECAUSE PHOTO TOOLS AND/OR SPECIFICATIONS ARE INADEQUATE.

