

**DESIGN INFORMATION**

MIN. TRACK WIDTH: 8 MIL  
MIN. CLEARANCE: 0.2 mm  
MIN. VIA PAD SIZE: 24 MIL

MINIMUM ANNULAR RING 0.05mm (2ML) EXTERNAL  
PER IPC-D-275 CLASS 2 LEVEL C  
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL  
HOLE SIZE REGISTRATION (UNLESS OTHERWISE SPECIFIED): +/- 3 MIL

**MATERIAL:**  
☐ FR-408 ☒ FR-4 High Tg ☐ OTHER \_\_\_\_\_  
THICKNESS: ☒ 62 MIL (1.6mm) +/-10% ☐ OTHER \_\_\_\_\_  
TOLERANCE: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/- \_\_\_\_\_  
BOW & TWIST: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/- \_\_\_\_\_

**DRILLING:**  
REFERENCE: ☒ AS SHOWN ☒ NC\_DRILL FILES  
PTH COPPER THICKNESS: ☒ 20-30 um ☐ OTHER \_\_\_\_\_

**BOARD FINISH:**  
SILKSCREEN: ☒ TOP ☒ BOTTOM  
SILKSCREEN COLOR: ☒ WHITE ☐ OTHER \_\_\_\_\_  
SOLDER RESIST COLOR: ☒ GREEN ☐ OTHER \_\_\_\_\_  
☒ MATTE ☐ SEMI-GLOSS

**SURFACE FINISH:** ☒ IMMERSION GOLD (ENIG) ☐ ENEPIG  
☐ IMM. TIN/SILVER OR EQUIV ☐ OTHER \_\_\_\_\_

**ARRAY/PANEL:** ☐ CUT AND TRIM PER M1 BOARD OUTLINE  
☐ N.C. ROUTE ☒ V. SCORE

**CERTIFICATION:** MATERIALS AND WORKMANSHIP FOR ALL PCBs  
TO MEET OR EXCEED THE REQUIREMENTS OF:  
☒ ANSI IPC-A-600F CLASS -> ☐ 1 ☒ 2 ☐ 3  
☒ RoHS ☐ OTHER PER ORDER \_\_\_\_\_

ALL BOARDS MUST MEET OR EXCEED UL94-V0 REQUIREMENTS.  
PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL ID NUMBER

**ADDITIONAL REQUIREMENTS:**  
MICROSECTION: ☐ YES  
BARE BOARD ELEC. TEST: ☐ NONE ☒ REQUIRED ☐ PER ORDER