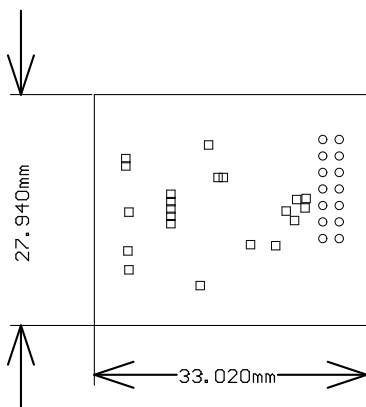


Z21 These assemblies are ESD sensitive, ESD precautions shall be observed.

Z22 These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

Z23 These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.



Symbol	Hit Count	Tool Size	Plated	Hole Type
□	21	10mil (0.254mm)	PTH	Round
○	14	35.433mil (0.9mm)	PTH	Round
	35 Total			

Drill Table

Layer Stack Up Detail for: HPA471B.PcbDoc			
Layer Name	Gerber Document	Copper Thickness	Dielectric Material
Top Solder Mask	(.GTS)		Solder Resist
Top Layer, Top	(.GTL)	2.8mil	
Bottom Layer, Bottom	(.GBL)	2.8mil	FR-4
Bottom Solder Mask	(.GBS)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
33.02mm X 27.94mm

Number of Layers : 2
 MIN. TRACK WIDTH: 10 MIL
 MIN. CLEARANCE: 8 MIL
 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 +/- 5 MIL

MATERIAL:

☐ FR-4 ☒ 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 +/-

COPPER THICKNESS (FINISHED):

OUTER: ☐ 1.4MIL (1oz) ☒ 2.8MIL (2oz) ☐ 4oz

INNER SIGNAL: ☐ 1.4MIL (1oz) ☐ 2.8MIL (2oz) ☒ N/A

DRILLING:

REFERENCE: ☒ AS SHOWN ☒ NC_DRILL FILES
PTH MIN COPPER THICKNESS: ☐ 1MIL ☒ 1oz

BOARD FINISH:

SILKSCREEN: ☒ TOP ☒ BOTTOM
SILKSCREEN COLOR: ☒ WHITE ☐ OTHER _____

SOLDER RESIST COLOR: ☒ GREEN ☐ BLUE ☐ OTHER

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

ARRAY/PANEL: ☐ CUT AND TRIM PER MECH LAYER 1
☐ N.C. ROUT ☒ V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs
TO MEET OR EXCEED THE REQUIREMENTS OF:

<input checked="" type="checkbox"/>	ANSI IPC-A-600F CLASS	->	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3
<input checked="" type="checkbox"/>	UL 94V-0	<input checked="" type="checkbox"/>	RoHS	<input type="checkbox"/>	OTHER PER ORDER

ADDITIONAL REQUIREMENTS:

MICROSECTION: ☐ YES

BARE BOARD ELEC. TEST: ☐ NONE ☒ REQUIRED ☐ PER ORDER

MANUFACTURER'S ID/LOGO: ☐ RAIL ☐ METAL ☒ SILK



PROJECT TITLE:
UCC28950EVM-471

DESIGNED FOR:
EVM

FILE NAME:
HPA471B.PcbDoc

ENGINEER: Michael O'Loughlin	LAYOUT BY: Michael Rodgers
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SCALE: 1.10	ALTUM DESIGNER VERSION: 10.0.0.27009
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ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: HPA471	REV: B	SUN REV: 1106
LAYER NAME = M505 Copper			
PLOT NAME = Fabrication Drawing	GENERATED : 10/8/2014 6:15:42 PM		TEXAS INSTRUMENTS

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