

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	2.80mil		
4	Dielectric1	FR-4	8.90mil	4.8	
5	MidLayer1	Copper	2.80mil		
6	Dielectric2	FR-4	8.90mil	4.8	
7	MidLayer2	Copper	2.80mil		
8	Dielectric3	FR-4	8.90mil	4.8	
9	Mid-Layer 3	Copper	2.80mil		
10	Dielectric4	FR-4	8.90mil	4.8	
11	Mid-Layer 4	Copper	2.80mil		
12	Dielectric5	FR-4	8.90mil	4.8	
13	Bottom Layer	Copper	2.80mil		
14	Bottom Solder	Solder Resist	0.40mil	3.5	
15	Bottom Overlay				

DESIGN INFORMATION

MIN. TRACK WIDTH: 8_MIL
MIN. CLEARANCE: 0.2 mm
MIN. VIA PAD SIZE: 24_MIL
MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5_MIL, HOLES +/- 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 MIN COPPER THICKNESS: ☒ 1MIL ☐ OTHER _____

BOARD FINISH:

SILKSCREEN: ☒ TOP ☒ BOTTOM
SILKSCREEN COLOR: ☒ WHITE ☐ OTHER _____
SOLDER RESIST COLOR:
☐ GREEN ☐ BLUE ☒ OTHER RED

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

ARRAY/PANEL: ☐ CUT AND TRM PER MECH LAYER 1
☐ 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
☒ UL 94V-0 ☒ RoHS ☐ OTHER PER ORDER

ADDITIONAL REQUIREMENTS:

MICROSECTION: ☐ YES
BARE BOARD ELEC. TEST: ☐ NONE ☒ REQUIRED ☐ PER ORDER
MANUFACTURER'S UL: ☐ RAL ☐ METAL ☒ SILK

TEXAS
INSTRUMENTS

PROJECT TITLE:

SU601121

DESIGNED FOR:

Public Release

FILE NAME:

LM5175EUM-HD

ENGINEER:

Timothy Hegarty

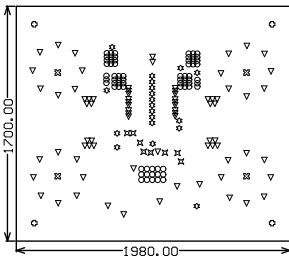
LAYOUT BY:

Alan Cuperus

1:1

ALTUM DESIGNER VERSION:

AD 10



Symbol	Hit Count	Tool Size	Plated	Hole Type
○	69	7.874mil (0.2mm)	PTH	Round
▽	79	10mil (0.254mm)	PTH	Round
✕	8	12mil (0.305mm)	PTH	Round
✱	19	15mil (0.381mm)	PTH	Round
⊙	4	125mil (3.175mm)	PTH	Round
⊗	4	270mil (6.858mm)	PTH	Round
183 Total				

Drill Table

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: SU601121	REV: A	SUN REV: Not In VersionControl
LAYER NAME = Microsection			
PLOT NAME = Fabrication Drawing	GENERATED : 2/25/2015 5:25:24 PM	TEXAS INSTRUMENTS	

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