



Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.50mil	3.5	
3	Layer 1 - Top Layer	Copper	1.70mil		
4	Dielectric1	370HR	4.05mil	4.2	
5	Layer 2 - GND	Copper	1.18mil		
6	Dielectric2	370HR	27.95mil	4.2	
7	Layer 3 - PWR	Copper	1.18mil		
8	Dielectric3	370HR	8.11mil	4.2	
9	Layer 4 - Signal	Copper	1.18mil		
10	Dielectric4	370HR	27.95mil	4.2	
11	Layer 5 - GND	Copper	1.18mil		
12	Dielectric5	370HR	4.05mil	4.2	
13	Layer 6 - Bottom Layer	Copper	1.70mil		
14	Bottom Solder	Solder Resist	0.50mi	3.5	DESIGN INFORMATION
15	Bottom Overlay				MIN. TRACK WIDTH: 0.1 mm

MIN. TRACK WIDTH: 0.1 mm
MIN. CLEARANCE: 0.13 mm
MIN. VIA PAD SIZE: 0.5 mm
MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL
HOLE SIZE TOLERANCE (UNLESS OTHERWISE SPECIFIED): +/- 3 MIL

MATERIAL: ☐ FR-408 ☒ FR-4 High Tg ☐ OTHER _____

THICKNESS: ☐ 62 MIL (1.6mm) +/-10% ☒ OTHER 82 MIL

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



PROJECT TITLE:
ADAS Sensor Fusion Board

DESIGNED FOR:
Public Release

FILE NAME:
PCB1_test.PcbDoc

ENGINEER:	LAYOUT BY:
Spectrum Digital	Spectrum Digital

SCALE: 1.00	17.0.11.656
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Symbol	Count	Hole Size	Plated
▽	499	7.87mil (0.200mm)	PTH
✕	854	10.00mil (0.254mm)	PTH
⊕	73	15.00mil (0.381mm)	PTH
◇	6	24.00mil (0.610mm)	PTH
★	101	28.00mil (0.711mm)	PTH
⊗	16	35.43mil (0.900mm)	PTH
▽	81	40.00mil (1.016mm)	PTH
▣	2	40.16mil (1.020mm)	NPTH
◎	4	55.12mil (1.400mm)	PTH
☆	8	59.06mil (1.500mm)	PTH
○	22	63.00mil (1.600mm)	PTH
⊕	16	66.93mil (1.700mm)	PTH
✕	32	74.80mil (1.900mm)	PTH
□	4	125.98mil (3.200mm)	PTH
	1718 Total		

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: 518520C	REV: C	SUN REV: Not In VersionControl
LAYER NAME = 000B-Drainage	TID #: N/A		
PLOT NAME = Fabrication Drawing	GENERATED : 1/14/2019 7:27:16 AM	TEXAS INSTRUMENTS	

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ENGINEER: Spectrum Digital	LAYOUT BY: Spectrum Digital
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SCALE: 1.00	17.0.11.656
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