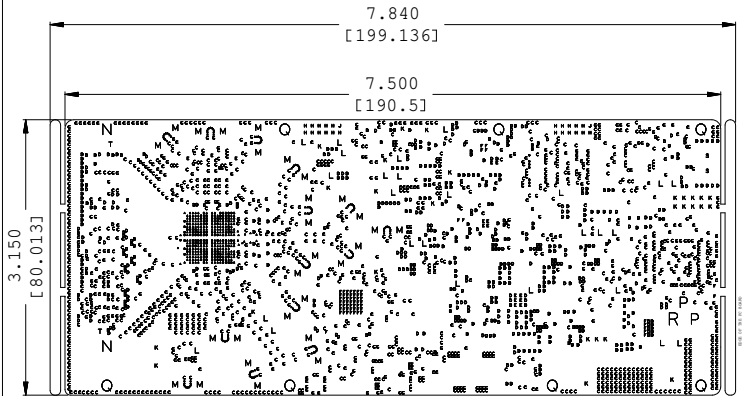


REV	REVISIONS
1P0	

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED_SIZE	TOLERANCE_DRILL	PLATED	QTY
18	•	8.0	+0.0/-8.0	PLATED 331
19	•	8.01	+0.0/-8.0	PLATED 144
18	•	10.0	+0.0/-10.0	PLATED 1491
18	•	12.0	+0.0/-12.0	PLATED 616
20	•	12.01	+0.0/-12.0	PLATED 32
19	•	12.02	+0.0/-12.0	PLATED 63
21	•	12.03	+0.0/-12.0	PLATED 7
	•	32.0	+0.0/-0.0	PLATED 22
	•	32.0	+0.0/-0.0	PLATED 2
	•	40.16	+2.01/-2.01	PLATED 27
	•	62.0	+0.0/-0.0	PLATED 26
	•	63.0	+4.0/-0.0	PLATED 28
	•	106.0	+3.0/-3.0	PLATED 2
	•	120.0	+0.0/-0.0	PLATED 2
	•	125.0	+0.0/-0.0	PLATED 7
	•	140.0	+0.0/-0.0	PLATED 1
	•	35.43	+2.0/-0.0	NON-PLATED 2
	•	50.0	+3.0/-3.0	NON-PLATED 2



SEE NOTES	SEE NOTES	
		NEXT ASSEMBLY
LINEAR		MISCELLANEOUS
MILLIMETERS .XX +/- .25 .X +/- .50	INCHES .XX +/- .010 .XX +/- .020	ANGLES +/- 1 AXIS OF TAPPED HOLES 90 +/- 1 REMOVE ALL BURRS & SHARP EDGES
HOLES		
MILLIMETERS .XX +/- .010 .XX +/- .127	INCHES .XX +/- .003 .XX +/- .005	
DRAFTSMAN: JAYANTA DAS 18/07/22 DESIGNER: SASIKUMAR.T.S 18/07/22 CHECKER: JAYANTA DAS 18/07/22 ENGINEER: JAYANTA DAS 18/07/22 APPROVED: ANIL 18/07/22 RELEASED: MIKE KORSON 18/07/22		TEXAS INSTRUMENTS INC. FABRICATION, AMPS151A_AFE79- TRF12-EVM AMPS151A 1P0 1/2

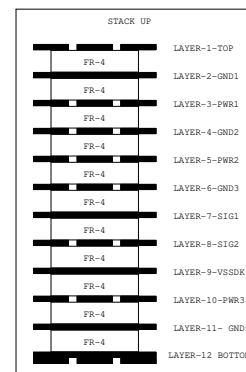
REV	REVISIONS
1P0	

UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE.

1. APPLICATION DESIGN, MANUFACTURING AND INSPECTION DOCUMENTS.
IPC-2221B & IPC-2222A / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES.
IPC-6012C / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD.
2. IPC-A-600H / ACCEPTABILITY OF PRINTED BOARDS.
3. REGISTRATION TOLERANCE: ARTWORK +/- .002.
ALL HOLE CENTERS +/- .005 FROM DIMENSION DATUM.
4. MINIMUM COPPER WALL THICKNESS SHALL BE .001 INCH.
FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
5. PROCESS AND MATERIAL MUST CONFORM TO UL 796. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0.
MATERIAL: FR4 (REFER STACKUP).
SEE LAYER STACKUP FOR ALL PRE-PREG & CORE THICKNESSES, COPPER OZ AND MATERIAL. FINISHED BOARD THICKNESS: 76 MIL+/-10%.
6. MANUFACTURE'S FLAMMABILITY RATING, LOGO AND DATE CODE
TO BE PLACED IN SILKSCREEN ON BOTTOM SIDE OF THE BOARD.
8. SOLDERMASK BOTH SIDES USING RED (OR EQUIVALENT)
COLOR = RED (0.001 TO 002" THICK OVER METAL.
9. SILKSCREEN BOTH SIDES USING WHITE LPI LEADFREE.
REGISTRATION TOLERANCE TO BE +/- .005.
INK IS NOT ALLOWED ON EXPOSED PLATED AREA.
10. P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
11. BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH
MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
12. BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS AT 20V.
13. BOARD DIMENSION : 7.5inch X 3.15inch
14. PLATING TO BE SOFT GOLD.
15. ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
16. PWB MUST BE ROHS COMPLIANT AND SURVIVE LEAD FREE ASSEMBLY,
MAX REFLOW OF 260 DEGREES C (6 PASSES).
17. ALL DIMENSIONS ARE IN INCHES.
18. EXCEPT ON PAD VIAS ALL VIAS NEED TO BE TENTED ON BOTH TOP AND BOTTOM SIDE.
19. ALL 8.01, 12.02 MIL DRILL NEED TO BE FILL AND FLAT FINISH ON BOTTOM SIDE
20. ALL 12.01 MIL DRILL NEED TO BE FILL AND FLAT FINISH ON TOP SIDE
21. ALL 12.03 MIL DRILL NEED TO BE FILL AND FLAT FINISH ON BOTH SIDE

IMPEDANCE DETAILS :




LAYERS	TRACE WIDTH	SPACING	IMPEDANCE DETAIL
TOP	11 MIL 12 MIL	9 MIL -	100 OHM +/-10% 50 OHM +/-10%
L03_PWR1	4.5 MIL	-	50 OHM +/-10%
L05_PWR2	4 MIL 4.5 MIL	7 MIL	100 OHM +/-10% 50 OHM +/-10%
L07_SIG1	4 MIL 6 MIL	5 MIL -	100 OHM +/-10% 50 OHM +/-10%
L08_SIG2	4 MIL 4.5 MIL	7 MIL -	100 OHM +/-10% 50 OHM +/-10%
L10_PWR3	4.5 MIL	-	50 OHM +/-10%
BOTTOM	8 MIL 11 MIL 12 MIL	6.5 MIL 9 MIL -	90 OHM +/-10% 100 OHM +/-10% 50 OHM +/-10%





SECTION A - A

NO SCALE

SEE NOTES	SEE NOTES				
					NEXT ASSEMBLY

LINEAR <table border="1"> <tr> <th>MILLIMETERS</th> <th>INCHES</th> </tr> <tr> <td>.XX .XX .25</td> <td>.XX .XX .010</td> </tr> <tr> <td>.X .X .10</td> <td>.XX .XX .020</td> </tr> </table>		MILLIMETERS	INCHES	.XX .XX .25	.XX .XX .010	.X .X .10	.XX .XX .020	MISCELLANEOUS ANGLES +/- 1 RAY OF TAPPED HOLES 90 +/- 1 REMOVE ALL BURRS & SHARP EDGES		
MILLIMETERS	INCHES									
.XX .XX .25	.XX .XX .010									
.X .X .10	.XX .XX .020									
HOLES <table border="1"> <tr> <th>MILLIMETERS</th> <th>INCHES</th> </tr> <tr> <td>.XX .XX .125</td> <td>.XX .XX .005</td> </tr> </table>		MILLIMETERS	INCHES	.XX .XX .125	.XX .XX .005	 				
MILLIMETERS	INCHES									
.XX .XX .125	.XX .XX .005									

DRAFTSMAN: DATE JAYANTA DAS 18/07/22	 TEXAS INSTRUMENTS INC
DESIGNER: DATE SHIKUMAR.T.S 19/07/22	
CHECKER: DATE JAYANTA DAS 18/07/22	
ENGINEER: DATE JAYANTA DAS 18/07/22	
APPROVED: DATE ANIL 18/07/22	
RELEASED: DATE MIKE KORSON 18/07/22	

FABRICATION, AMPS151A_AFE79- TRF12-EVM	AMPS151A	
---	----------	---