

Layer	Material	Thickness (mils)
TOP	0.5 oz + PLATING	
FR4-HTG	DIELECTRIC	4.529
02_GND1	1 oz	
FR4-HTG	DIELECTRIC	5.906
03_SIG1	0.5 oz	
FR4-HTG	DIELECTRIC	5.831
04_GND2	1 oz	
FR4-HTG	DIELECTRIC	5.906
05_SIG2	0.5 oz	
FR4-HTG	DIELECTRIC	5.831
06_PWR1	1 oz	
FR4-HTG	DIELECTRIC	2.992
07_PWR2	1 oz	
FR4-HTG	DIELECTRIC	5.831
08_SIG3	0.5 oz	
FR4-HTG	DIELECTRIC	5.906
09_GND3	1 oz	
FR4-HTG	DIELECTRIC	5.831
10_SIG4	0.5 oz	
FR4-HTG	DIELECTRIC	5.906
11_GND4	1 oz	
FR4-HTG	DIELECTRIC	4.529
BOTTOM	0.5 oz + PLATING	
TOTAL THICKNESS: 67 mils +/- 10%		

7.50 MIL LINES ON THE OUTER LAYERS = 50 OHMS SINGLE ENDED IMPEDANCE +/-10%  
5.25 MIL LINES ON THE INNER LAYERS = 50 OHMS SINGLE ENDED IMPEDANCE +/-10%  
4.25 MIL LINES WITH 5.75 MIL SPACES ON INNER LAYER = 100 OHMS DIFFERENTIAL IMPEDANCE +/-10%  
4.2 MIL LINES WITH 5 MIL SPACES ON OUTER LAYER = 100 OHMS DIFFERENTIAL IMPEDANCE +/-10%

FAB NOTES:

- PROCESS NOTES:

1. EXCEPT AS NOTED IN NOTE 2, PLATE ALL EXPOSED AREAS WITH FLASH GOLD (5-15 MICROINCHES THK) OVER ELECTROLYTIC NICKEL MIN 150 MICROINCHES THK.
2. PLATE INDICATED AREAS WITH A MIN 30 MICROINCHES ELECTROLYTIC GOLD OVER A MIN 150 MICROINCHES ELECTROLYTIC NICKEL.
3. APPLY LPI SOLDERMASK OVER BARE COPPER (SMOBC). COLOR: BLUE. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
4. FABRICATION VENDOR IS ALLOWED TO INCREASE SOLDERMASK COMPONENT PADS BY A MAXIMUM 1 MIL ON EACH SIDE OVER THE COPPER PAD IN ORDER TO MEET TOOLING REQUIREMENTS WHILE MAINTAINING WEBBING BETWEEN ADJACENT PADS.
5. APPLY LPI SILKSCREEN OR EQUIVALENT BOTH SIDES PER THE ARTWORK. COLOR: WHITE. CLIP SILKSCREEN ON NO MASK AREA
6. TEARDROPS SHOULD NOT BE ADDED ON ANY AREA WITHOUT PRIOR APPROVAL FROM TEXAS INSTRUMENTS
7. DEBURR ALL SHARP EDGES
8. REMOVE UNUSED PADS IN ALL INNER LAYERS
9. MARKED REGION VIAS NEED TO BE SOLDERMASK PLUGGING ON BOTTOM SIDE
10. MARKED REGION VIAS NEED TO BE SOLDERMASK PLUGGING ON TOP SIDE

CUSTOMER NAME : TEXAS INSTRUMENTS
DATE: FEB 2023
PAC NUMBER: 305-PD-22-1008
JOB NAME: DLP780NE_DLP800RE_DLP780TE
FILM LAYER: FAB