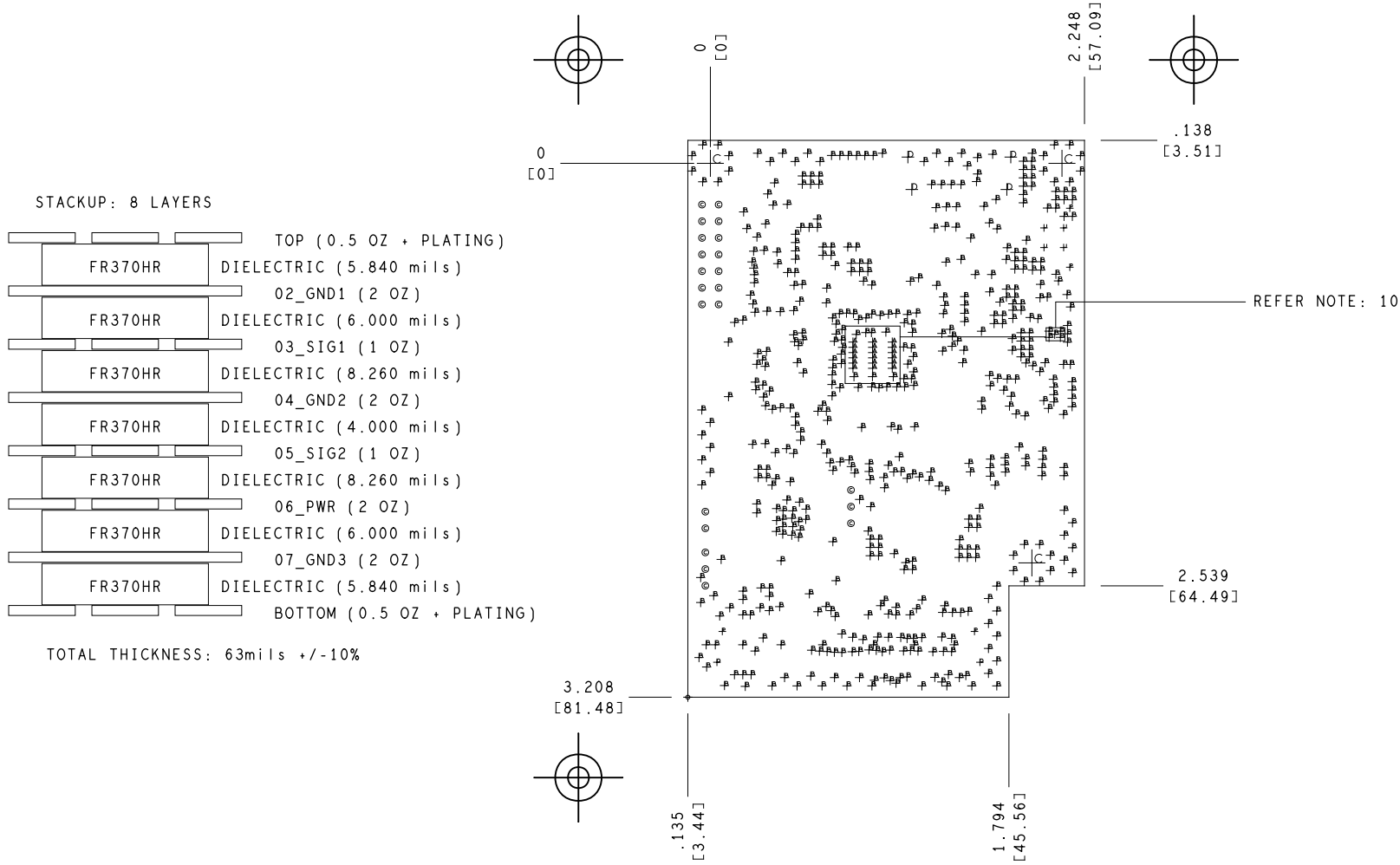


LAYER STACK-UP - ALL DIMENSIONS IN MILS

		50ohm SINGLE ENDED IMPEDANCE CONTROL +/- 10%	100ohm DIFFERENTIAL IMPEDANCE CONTROL +/- 10%
LAYER#	COPPER WEIGHT (OZ)	TRACE WIDTH	TRACE WIDTH / SPACE
TOP	HALF+PLATING	10.5	4.5/4.5
02_GND1	2		
03_SIG1	1	5.8	
04_GND2	2		
05_SIG2	1	4	
06_PWR	2		
07_GND3	2		
BOTTOM	HALF+PLATING	10.5	



FAB NOTES:

- ALL DIMENSIONS ARE IN INCHES [MM], UNLESS OTHERWISE NOTED.
- THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
- BOARD MATERIAL SHALL BE FR4-370HR OR EQUIVALENT, RoHS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. COLOR: NATURAL.
- ALL BOARDS MUST MEET OR EXCEED UL94V-0 REQUIREMENTS. PCB MUST BEAR THE UL94V-0 UL-REGISTERED MATERIAL ID NUMBER.
- MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE .001 INCH, WITH A MINIMUM ANNULAR RING OF .002 INCH.
- ALL HOLES IN DRILL CHART ARE FINISHED HOLE SIZES (FHS)."
- OVERALL BOARD THICKNESS TO BE .063 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
- MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.
- BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
- MARKED REGION DRILLS NEED TO BE SOLDERMASK PLUGGING ON BOTTOM SIDE
- CLIP SILKSCREEN ON NO MASK AREA
- REMOVE UNUSED PADS IN ALL INNER LAYERS

PROCESS NOTES:

- PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 150 MICROINCHES THK MIN GOLD 5-15 MICROINCHES THK MIN.
- APPLY LPI SOLDERMASK OVER BARE COPPER (SMOBC). COLOR: GLOSSY GREEN. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
- SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS.
- APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
⌘	11.811	+3.0/-3.0	PLATED	18
⌘	12.0	+3.0/-3.0	PLATED	562
⊙	40.0	+3.0/-3.0	PLATED	22
+	40.0	+3.0/-3.0	PLATED	4
⌘	51.181	+2.0/-2.0	PLATED	4
⌘	157.0	+2.0/-2.0	PLATED	3
⌘	40.0	+2.0/-0.0	NON-PLATED	4
⌘	40.0	+2.0/-0.0	NON-PLATED	2

TEXAS INSTRUMENTS	
DATE: OCT 2023	
PROJECT NUMBER: DLP110	REV: B
FILM LAYER: FAB	