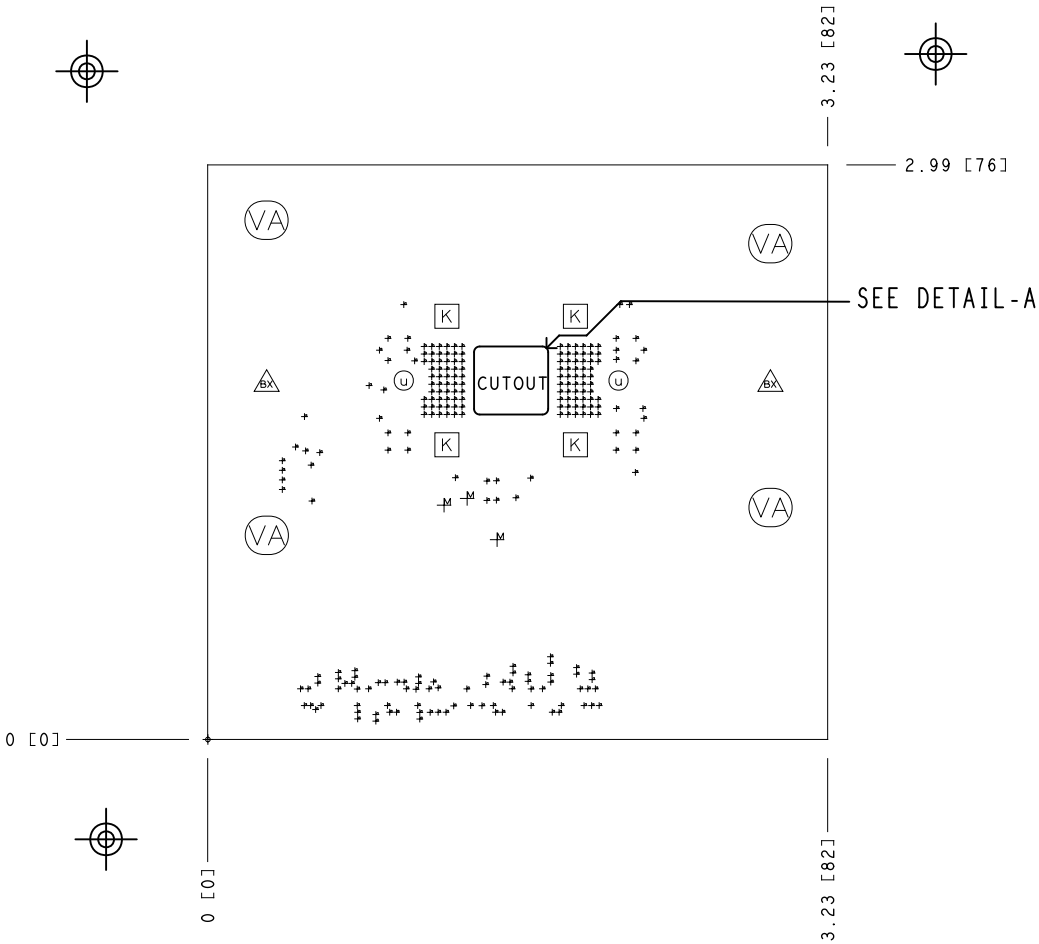


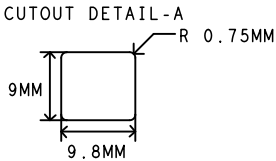
DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED_SIZE	TOLERANCE_DRILL	PLATED	QTY
+	12.0	+3.0/-3.0	PLATED	125
+	12.01	+3.0/-3.0	PLATED	112
⦿	35.8268	+2.9921/-2.9921	PLATED	3
Ⓢ	94.4882	+2.0/-2.0	NON-PLATED	2
Ⓚ	133.8583	+2.0079/-2.0079	NON-PLATED	4
△	196.8504	+2.0/-2.0	NON-PLATED	2
Ⓥ	196.8504	+3.0/-3.0	NON-PLATED	4

LAYER STACKUP	MINIMUM FINAL COPPER WEIGHT	100 OHM (+/- 10%) DIFFERENTIAL IMPEDANCE	50 OHM (+/- 10%) SINGLE-ENDED IMPEDANCE
LAYER 1 - PRIMARY SIDE	1/2 OZ	4.10 WIDTH / 5.90 GAP	6.00 WIDTH
LAYER 2 - GND PLANE	1 OZ		
LAYER 3 - SIGNAL	1/2 OZ	4.00 WIDTH / 6.00 GAP	5.50 WIDTH
LAYER 4 - SIGNAL	1/2 OZ		5.50 WIDTH
LAYER 5 - POWER PLANE	1 OZ		
LAYER 6 - SECONDARY SIDE	1/2 OZ		6.00 WIDTH



FAB NOTES:

- BOARD DIMENSIONS ARE IN INCHES[MM]
- 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 170 Tg POLYCLAD OR EQUIVALENT. 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 .001 INCH.
- OVERALL BOARD THICKNESS TO BE .062 +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
- MAX. WARP & TWIST TO BE .0005 INCHES PER INCH.
- BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
- ALL 12.01 MIL DRILL NEED TO BE NON-CONDUCTIVE VIA FILLING, PLATED OVER ON TOP SIDE FLAT AND SMOOTH ON TOP SIDE
- REFER DETAIL-A FOR CUTOUT.
- ALL HOLES IN DRILL CHART ARE FINISHED HOLE SIZES (FHS)



PROCESS NOTES:

- PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD. NICKEL 100 MINMICROINCHES THK GOLD 2-6 MICROINCHES THK.
- APPLY LPI SOLDERMASK OVER BARE COPPER (SMOBC), COLOR: GREEN. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV.
- 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.
- APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
- REMOVE UNUSED PADS IN ALL INNER LAYERS
- DEBURR ALL SHARP EDGES
- CLIP SILKSCREEN ON NO MASK AREA

Texas Instruments	
Date: November 2023	
PROJECT NUMBER: DLP090_DLP091_DLP092	REV: A
FILM LAYER: FAB	