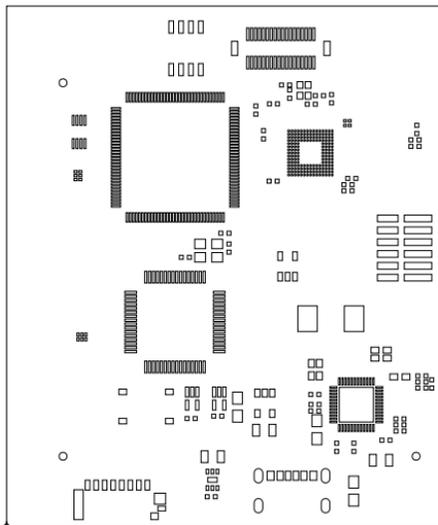
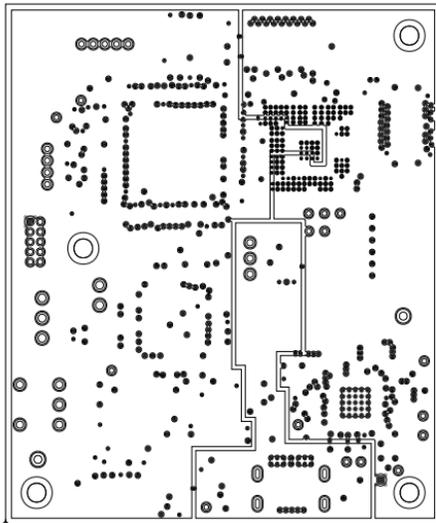


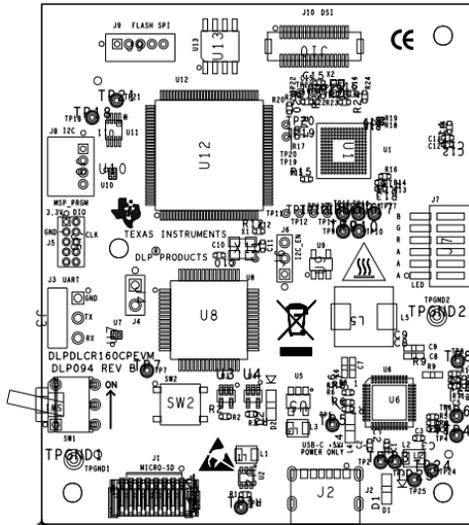
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BOARD NAME		DLPDLCR160CPEVM		DESCRIPTION					SOLDERMASK - PRIMARY SIDE	
BOARD NO.		REV	DATE	PRJ#	SH	OF	11	20		
DLP094		B	03-NOV-2023	TIDLP-309772-01						



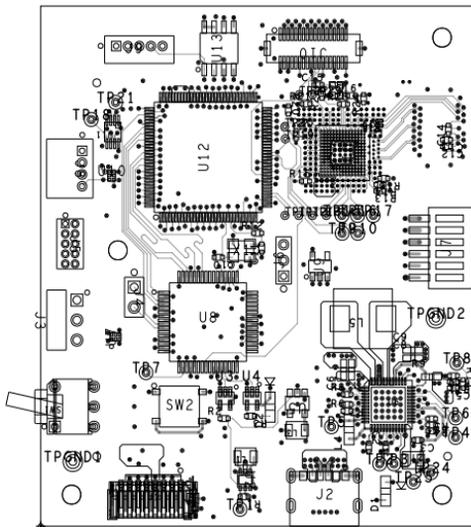
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BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION			
					SOLDERPASTE - PRIMARY SIDE			
BOARD NO.		REV	DATE	PRJ#	SH	OF		
DLP094		B	03-NOV-2023	TIDLDP-309772-01	15	20		



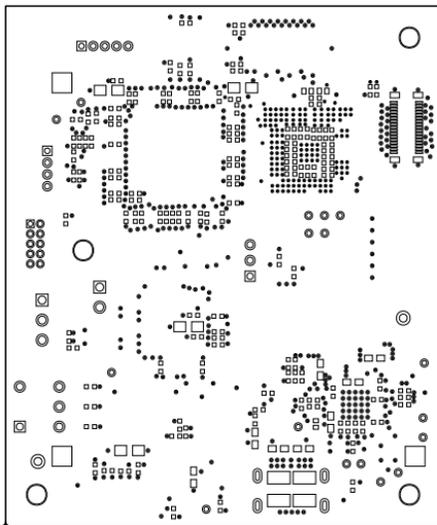
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 5 - PWR PLANE	
BOARD NO.		REV	DATE	PRJ#		SH	OF	20		
DLP094		B	03-NOV-2023	TIDLDP-309772-01		5				



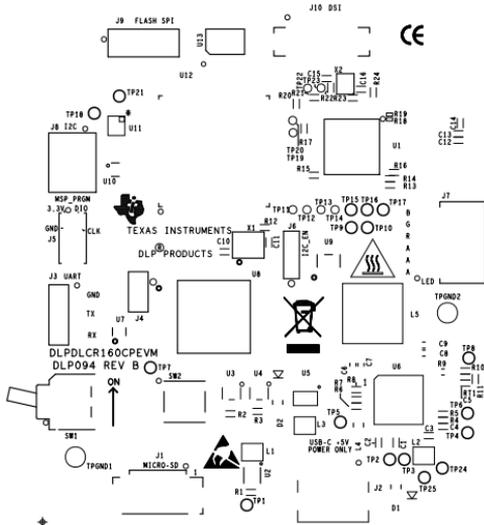
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN	
					SVT	
BOARD NAME			DESCRIPTION			
DLPDLCR160CPEVM			SILKSCREEN - PRIMARY SIDE			
BOARD NO.		REV	DATE	PRJ#	SH	OF
DLP094		B	03-NOV-2023	TIDLP-309772-01	13	20



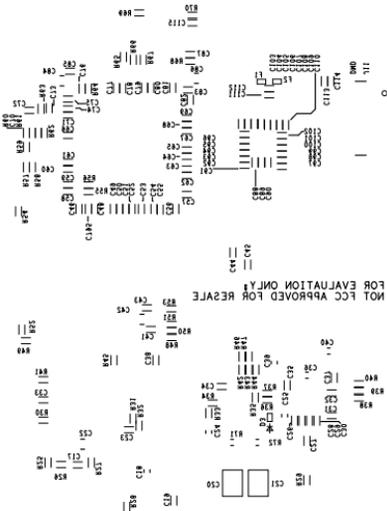
CUSTOMER NAME				TEXAS INSTRUMENTS		DRAWN		SVT	
BOARD NAME			DLPDLCR160CEVM			DESCRIPTION			
						LAYER 1 - PRIMARY SIDE			
BOARD NO.		REV	DATE	PRJ#		SH	OF	20	
DLP094		B	03-NOV-2023	TIDLDP-309772-01		1			



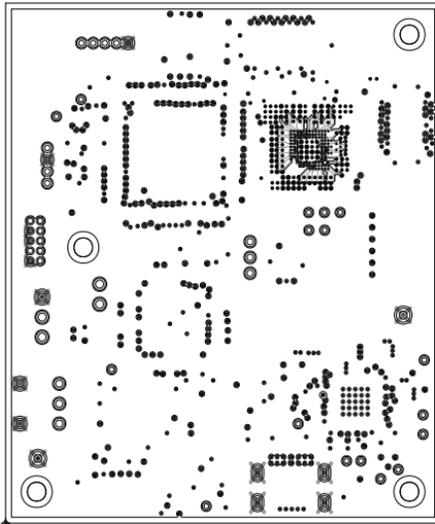
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BOARD NAME			DLPDLCR160CPEVM			DESCRIPTION			
						SOLDERMASK - SECONDARY SIDE			
BOARD NO.		REV	DATE	PRJ#		SH	OF		
DLP094		B	03-NOV-2023	TIDLP-309772-01		12	20		



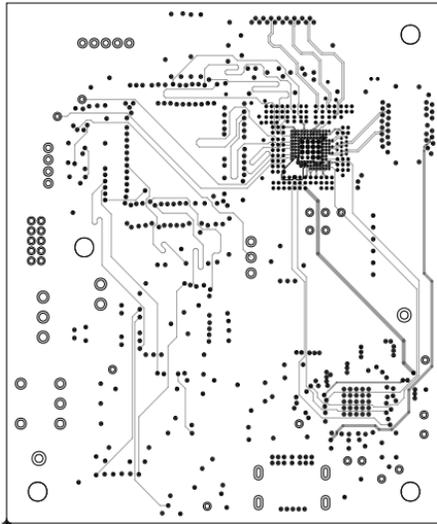
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BOARD NAME		DLPDLCR160CPEVM		DESCRIPTION			
		SILKSCREEN - PRIMARY SIDE					
BOARD NO.	DLP094	REV	DATE	PRJ#	SH	OF	
		B	03-NOV-2023	TIDL P-309772-01	13	20	



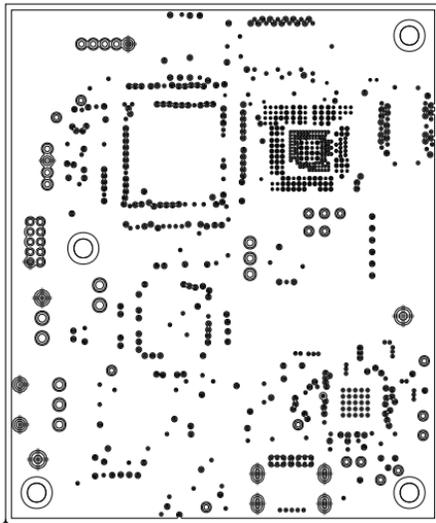
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BOARD NAME			DLPDLCR160CPEVM			DESCRIPTION			
						SILKSCREEN - SECONDARY SIDE			
BOARD NO.		REV	DATE		PRJ#	SH	OF		20
DLP094		B	03-NOV-2023		TIDL P-309772-01	14			20



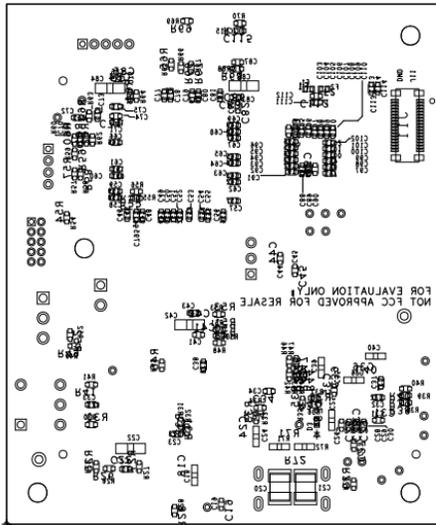
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 2 - GND PLANE	
BOARD NO.		REV	DATE	PRJ#		SH	OF	20		
DLP094		B	03-NOV-2023	TIDLDP-309772-01		2				



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 3 - SIGNAL1	
BOARD NO.		REV	DATE	PRJ#	SH	OF	3		20	
DLP094		B	03-NOV-2023	TIDL P-309772-01						



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 4 - GND PLANE	
BOARD NO.		REV	DATE	PRJ#		SH	OF	20		
DLP094		B	03-NOV-2023	TIDL P-309772-01		4				



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT		
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				
BOARD NO.		REV		DATE		PRJ#		SH OF	
DLP094		B		03-NOV-2023		TIDLP-309772-01		14 20	

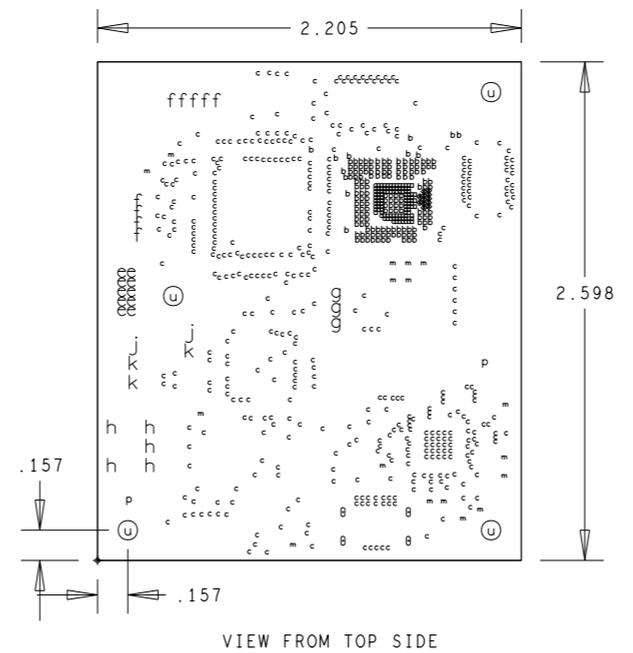
LAYER	THICKNESS	STACKUP	SOLDERMASK	FR408H	DESCRIPTION
LAYER 1	0.0005 0.0020		SOLDERMASK	FR408H	1/2oz Sig (Std Plt) - 50 Ohms - 0.005 width 68 Ohms - 0.004 width 100 Ohms Differential - 0.0041 width/0.00575 Space
LAYER 2	0.0027		FR408H	FR408H	
LAYER 3	0.0006 0.0040		FR408H	FR408H	1/2oz P/G FR408H
LAYER 4	0.0006		FR408H	FR408H	1/2oz SIG - 50 Ohms - 0.005 width 100 Ohms Differential - 0.00425 width/0.00575 Space
LAYER 5	0.0072		FR408H	FR408H	
LAYER 6	0.0012 X.XXXX		FR408H	FR408H	1oz P/G FR408H
LAYER 7	0.0012 X.XXXX		FR408H	FR408H	1oz P/G FR408H
LAYER 8	0.0012 X.XXXX		FR408H	FR408H	1oz P/G FR408H
LAYER 9	0.0012 X.XXXX		FR408H	FR408H	1oz P/G FR408H
LAYER 10	0.0006 0.0005		SOLDERMASK	FR408H	1/2oz SIG (Std Plt) - 50 Ohms - 0.005 width SOLDERMASK

DRILL CHART: TOP to LY4GND

ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
a	4.0	+0.0/-4.0	PLATED	106
◆	4.01	+0.0/-4.0	PLATED	12

DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
b	6.0	+0.0/-6.0	PLATED	155
c	8.0	+0.0/-8.0	PLATED	442
m	24.0	+3.0/-3.0	PLATED	17
e	25.59	+1.97/-1.97	PLATED	10
f	27.72	+2.01/-2.01	PLATED	9
g	31.65	+1.97/-1.97	PLATED	3
h	35.43	+2.01/-2.01	PLATED	5
k	40.0	+2.0/-2.0	PLATED	3
j	40.0	+2.01/-2.01	PLATED	2
p	40.0	+3.0/-3.0	PLATED	2
⊙	94.49	+2.99/-2.99	NON-PLATED	4
B	47.24x19.69	+2.0/-2.0	PLATED	4



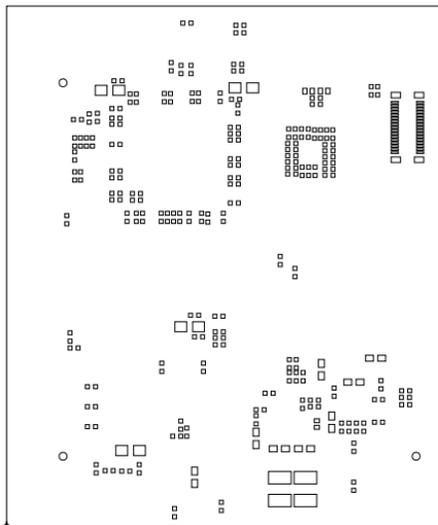
FAB NOTES:

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. ALL BOARD OUTLINE DIMENSION TOLERANCES ARE +/- .010".
- 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 ISOLA FR408HR OR EQUIVALENT, ROHS AND REACH COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. ROHS AND REACH CERTIFICATE OF CONFORMANCE SHALL BE DELIVERED WITH EACH LOT. ROHS TO BE MARKED ON THE FINISHED BOARD.
- 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.
- OVERALL BOARD THICKNESS TO BE .062 +/- .10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER. DI-ELECTRIC MATERIAL HEIGHT CAN BE UPDATED IN FAB HOUSE BASED ON MATERIAL AVAILABILITY
- MAX. WARP & TWIST TO BE .0075 INCHES PER INCH.
- ANY DISCREPANCY BETWEEN FABRICATION PRINT AND THE ACTUAL FABRICATION DATA MUST BE REVIEWED AND APPROVED BY ASSEMBLY SHOP.
- 4 MIL & 4.01MIL BLIND VIAS TO BE FILLED WITH NON CONDUCTIVE EPOXY AND PLATED OVER COPPER. SURFACE SHOULD BE FLAT ON TOP SIDE.

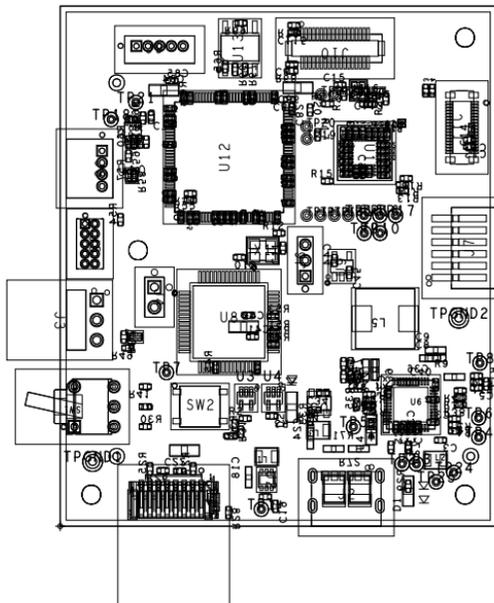
PROCESS NOTES:

- EXCEPT AS NOTED BELOW, PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 100 MIN MICROINCHES THK GOLD 2-6 MICROINCHES THK.
- FABRICATOR TO REMOVE UNUSED PADS ON INTERNAL LAYERS.
- MINIMUM TRACE/SPACE UNDER U1 IS .003/.003
- APPLY LDI SOLDERMASK. COLOR: RED. SOLDERMASK SHALL CONFORM TO IPC-SM-840, CLASS H. CURRENT REV. SOLDERMASK SHALL BE COMPATIBLE WITH SAC305 OR EQUIVALENT SOLDER ALLOY AND SOLDER FLOAT BATH TEMPERATURE OF 288°C.
- SOLDERMASK ARTWORK HAS ZERO (0) OVERSIZED PADS. FABRICATION VENDOR IS ALLOWED TO ADJUST THE COMPONENT SOLDERMASK PADS TO MEET THEIR TOOLING REQUIREMENTS WHILE MAINTAINING WEBBING BETWEEN ADJACENT PADS.
- SOLDERABILITY SHALL BE IN ACCORDANCE WITH IPC/EIA J-STD-003A, WITH SOLDER BATH TEMPERATURE OF 250°C +/-5 C FOR DIP OR ROTARY TEST.
- APPLY LPI SILKSCREEN OR EQUIVALENT PER THE ARTWORK. COLOR: WHITE.
- BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
- VENDOR MUST SUPPLY PANELIZED PASTE LAYERS TO ASSEMBLY SHOP FOR PASTEMASK STENCIL.

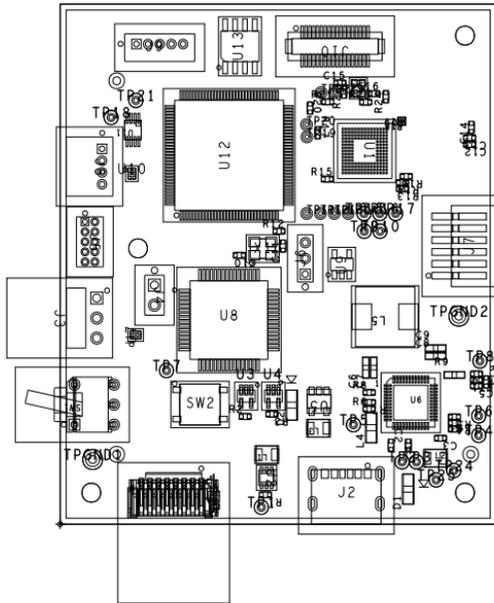
CUSTOMER NAME			TEXAS INSTRUMENTS			DRAWN		SVT				
BOARD NAME			DLPDLCR160CPEVM			DESCRIPTION						
						DRILL DRAWING						
BOARD NO.		DLP094	REV	B	DATE	03-NOV-2023	PRJ#	TIDL-309772-01	SH	17	OF	20



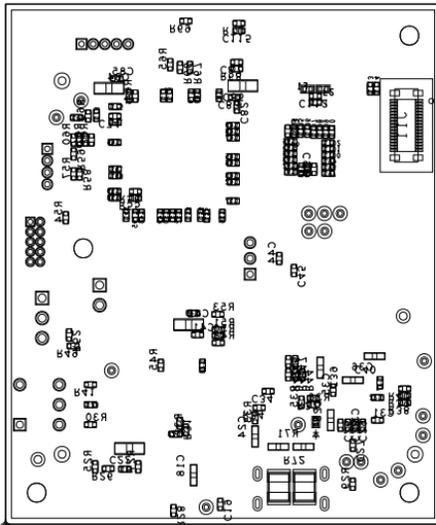
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION			
					SOLDERPASTE - SECONDARY SIDE			
BOARD NO.		REV	DATE	PRJ#	SH	OF		
DLP094		B	03-NOV-2023	TIDLP-309772-01	16	20		



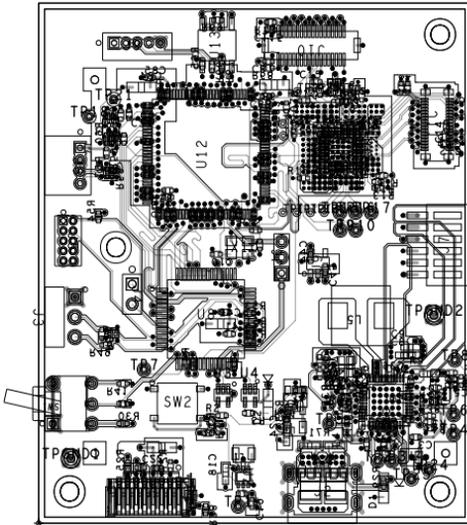
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION			
BOARD NO.		REV	DATE	PRJ#	SH	OF	20	
DLP094		B	03-NOV-2023	TIDLP-309772-01				



CUSTOMER NAME				TEXAS INSTRUMENTS		DRAWN		SVT	
BOARD NAME				DLPDLCR160CPEVM		DESCRIPTION			
BOARD NO.			REV	DATE	PRJ#	SH	OF	20	
DLP094			B	03-NOV-2023	TIDL P-309772-01				



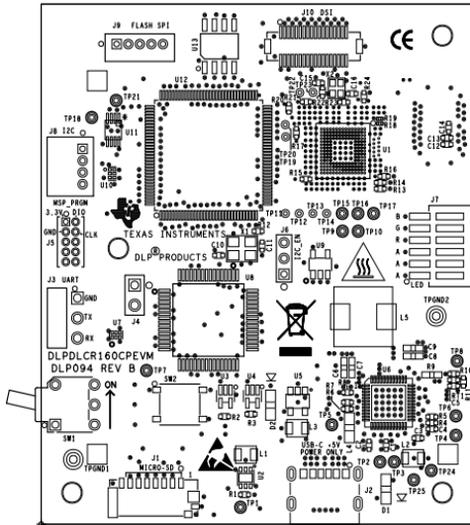
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BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				
BOARD NO.		REV	DATE		PRJ#		SH	OF	
DLP094		B	03-NOV-2023		TIDLP-309772-01			20	



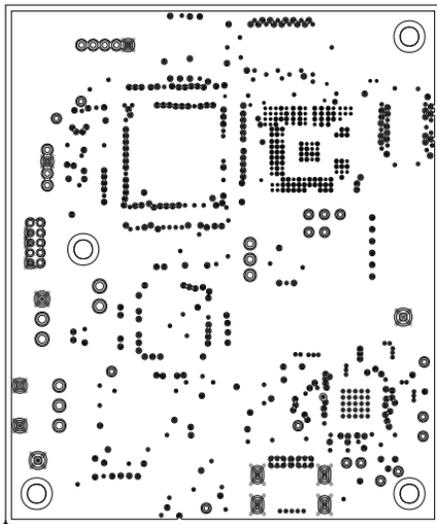
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION			
					LAYER 10 - -PSECONDAIRYSIDE			
BOARD NO.		REV	DATE	PRJ#	SH	OF		
DLP094		B	03-NOV-2023	TIDLDP-309772-01	10	20		



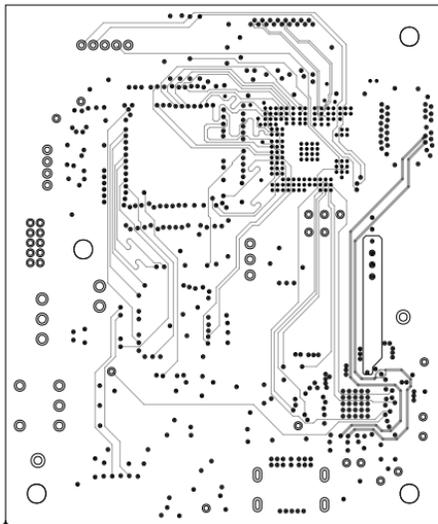
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN	
					SVT	
BOARD NAME		DLPDLCR160CPEVM		DESCRIPTION		
				OUTLINE		
BOARD NO.		REV	DATE	PRJ#	SH	OF
DLP094		B	03-NOV-2023	TIDLDP-309772-01	20	20



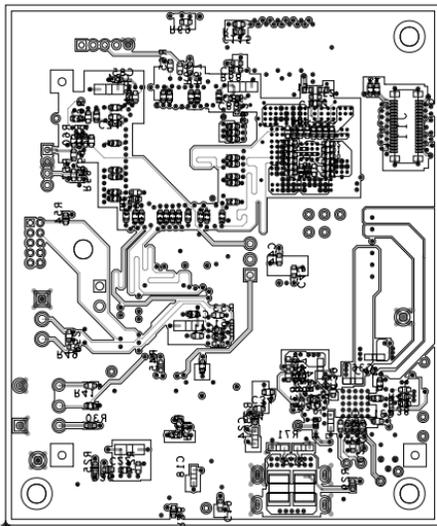
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CEVM			DESCRIPTION			
BOARD NO.		REV	DATE	PRJ#		SH	OF	
DLP094		B	03-NOV-2023	TIDLDP-309772-01		13	20	



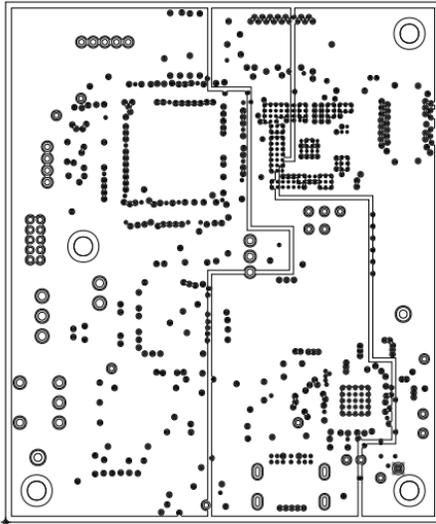
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION			
					LAYER 9 - GND PLANE			
BOARD NO.		REV	DATE	PRJ#	SH	OF		
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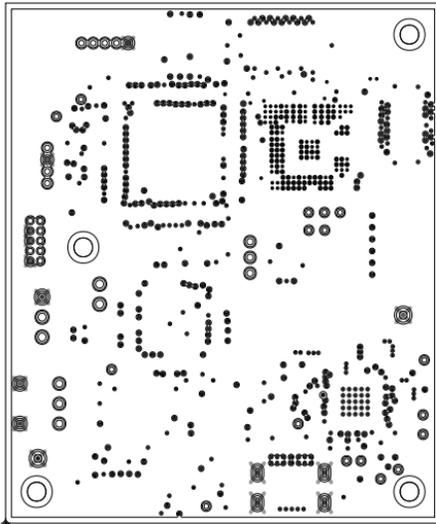
CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 8 - SIGNAL2	
BOARD NO.		REV	DATE	PRJ#		SH	OF	20		
DLP094		B	03-NOV-2023	TIDL P-309772-01		8				



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM		DESCRIPTION		LAYER 10 - SECONDARY SIDE		
BOARD NO.		REV	DATE	PRJ#	SH	OF	20	
DLP094		B	03-NOV-2023	TIDLP-309772-01	10			



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT	
BOARD NAME		DLPDLCR160CPEVM		DESCRIPTION		LAYER 6 - PWR PLANE		
BOARD NO.		REV	DATE	PRJ#	SH	OF		20
DLP094		B	03-NOV-2023	TIDLP-309772-01	6			



CUSTOMER NAME		TEXAS INSTRUMENTS			DRAWN		SVT			
BOARD NAME		DLPDLCR160CPEVM			DESCRIPTION				LAYER 7 - GND PLANE	
BOARD NO.		REV	DATE	PRJ#	SH	OF	20		7	
DLP094		B	03-NOV-2023	TIDL P-309772-01						