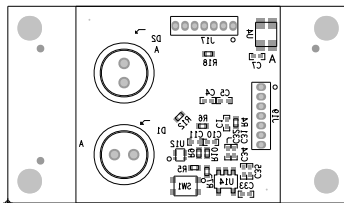


TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
ASSEMBLY TOP
SHEET 12 OF 13
21 NOV 2017



TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
ASSEMBLY BOTTOM
SHEET 13 OF 13
21 NOV 2017

SYM	REVISIONS
	A

GENERAL NOTES:(UNLESS OTHERWISE SPECIFIED)

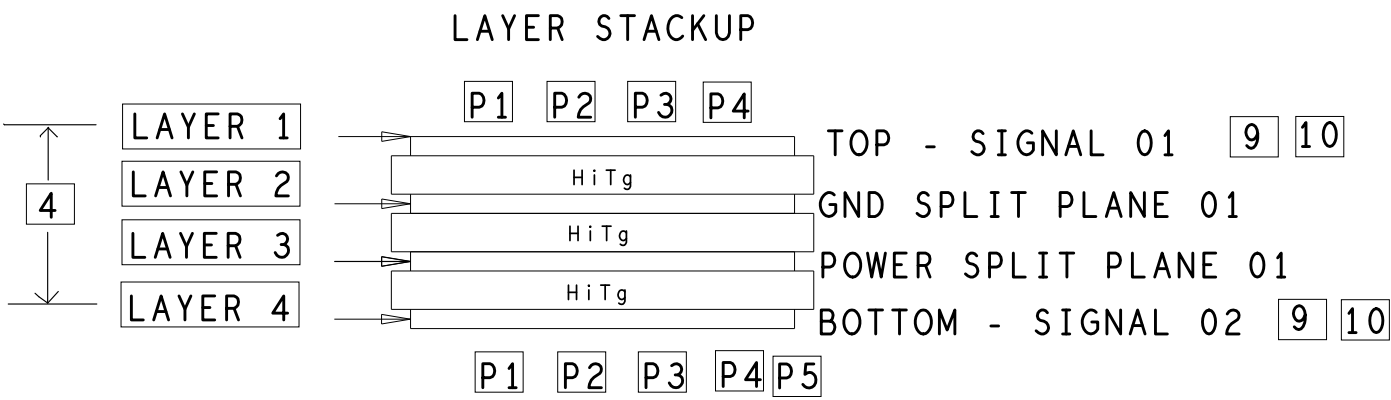
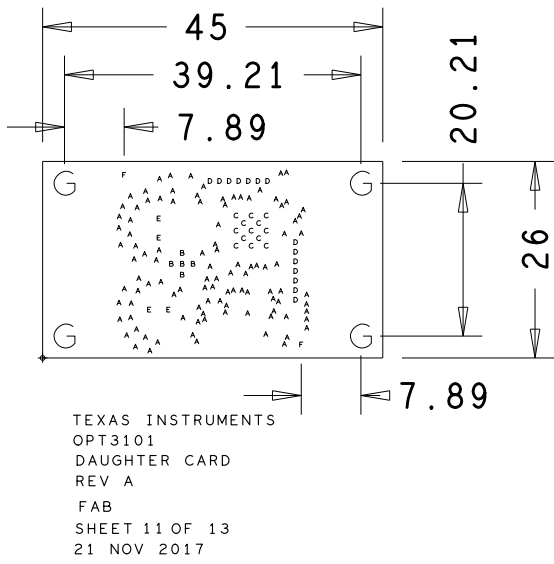
1. ALL FABRICATION ITEM MUST MEET OR EXCEED BEST INDUSTRY PRACTICE. IPC-A-600C-CLASSII(Commercial Std.)
2. LAMINATE MATERIAL: COPPER CLAD HiTg.
3. COPPER WEIGHT: 1 Oz ON ALL LAYERS.
4. FINISHED BOARD THICKNESS: 1.6MM +/-10%.
5. MAXIMUM WARP AND TWIST TO BE 0.005 INCH PER INCH.
6. MINIMUM COPPER WALL THICKNESS OF PLATED-THRU HOLES TO BE 0.001 INCH.
7. MINIMUM ANNULAR RING OF PLATED-THRU HOLES TO BE 0.002 INCH.
8. BOARD DIMENSION: 45mmX26mm

9. ALL 8MIL TRACES ON LAYERS 1 & 4 NEEDS CONTROL IMPEDANCE TO 50 OHM +/- 10%.
10. ALL 10MIL TRACES WITH 10MIL SPACING ON LAYERS 1 & 4 NEEDS CONTROL IMPEDANCE TO 90OHM +/- 10%.
11. ALL BOARDS MUST MEET OR EXCEED UL94-V0 REQUIREMENTS. PCB MUST BEAR THE UL94V-0 UL REGISTERED MATERIAL ID NUMBER.

PROCESS NOTES:

- P1. SOLDERMASK BOTH SIDES -BLACK. MASK CLEARANCE WERE GIVEN AS SAME SIZE AS PAD SIZE EXCEPT FOR NPTH AND FIDUCIALS. THE VENDOR SHALL MODIFY THIS AS PER THEIR DFM.
- P2. SILKSCREEN BOTH SIDES PER ARTWORK.COLOR=WHITE.
- P3. PLATING: ENIG
- P4. 10MIL VIAS NEED TO BE TENTED ON BOTH SIDES AS PER SUPPLIED ARTWORK(SMB & SMT).
- P5. 10.01MIL AND 12.01 MIL VIAS NEED TO BE TENTED ON BOTTOM SIDE
- P6. VIA FILLING : NOT REQUIRED
- P7. DO NOT ADD COPPER THIEVING

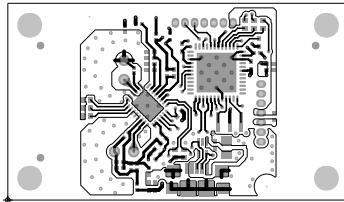
VIEW FROM TOP SIDE
ALL DIMENSIONS ARE IN MM



FAB AND DRILL DETAILS

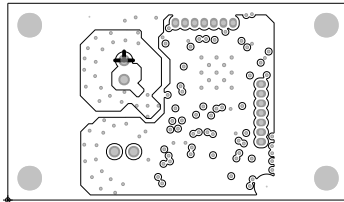
DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
P4	10.0	+0.0/-10.0	PLATED	104
P5	10.01	+0.0/-10.01	PLATED	5
P5	12.01	+0.0/-12.01	PLATED	13
	26.0	+1.97/-1.97	PLATED	14
	39.37	+3.0/-3.0	PLATED	4
	90.5	+3.0/-3.0	NON-PLATED	2
G	127.95	+3.0/-3.0	NON-PLATED	4

MATERIAL:	PROCESSES:					
SEE NOTES	SEE NOTES					
		NEXT ASSEMBLY				
TOLERANCES UNLESS OTHERWISE SPECIFIED		SURFACE ROUGHNESS				
LINEAR		MISCELLANEOUS				
MILLIMETERS .XX +/- .25 .X +/- .50		INCHES .XXX +/- .010 .XX +/- .020				
HOLES		ANGLES +/- 1° AXIS OF TAPPED HOLES 90° +/- 1° REMOVE ALL BURRS & SHARP EDGES				
MILLIMETERS .XXX +/- .076 .XX +/- .127		INCHES .XXX +/- .003 .XX +/- .005				
DRAFTSMAN: DEEPAK R	DATE 21/11/17	TEXAS INSTRUMENTS INC. SEMICONDUCTOR OPERATIONS CODE IDENTITY NUMBER 01295				
DESIGNER: DEEPAK R	DATE 21/11/17					
CHECKER: RAJA	DATE 21/11/17					
ENGINEER: RAJA	DATE 21/11/17					
APPROVED: RAJA	DATE 21/11/17					
RELEASED: MIKE KORSON	DATE 21/11/17					
TITLE: FABRICATION, DAUGHTER CARD		SCALE N	C SIZE	OPT3101	A REV	1 SHEET

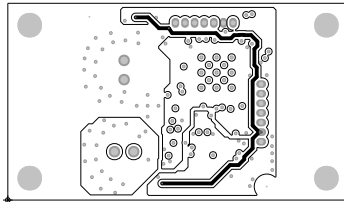


TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A

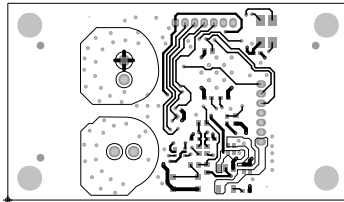
TOP - SIGNAL 01
SHEET 1 OF 13
21 NOV 2017



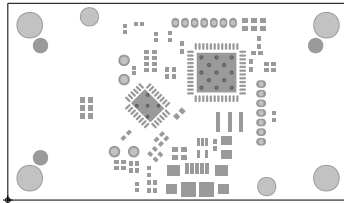
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
GND SPLIT PLANE 01
SHEET 2 OF 13
21 NOV 2017



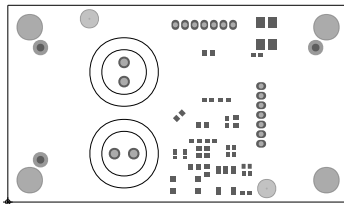
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
POWER SPLIT PLANE 01
SHEET 3 OF 13
21 NOV 2017



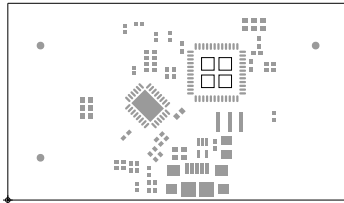
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
BOTTOM - SIGNAL 02
SHEET 4 OF 13
21 NOV 2017



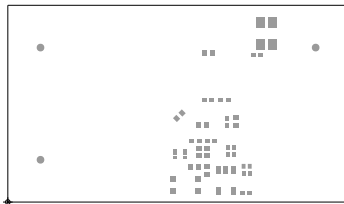
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
SOLDERMASK TOP
SHEET 5 OF 13
21 NOV 2017



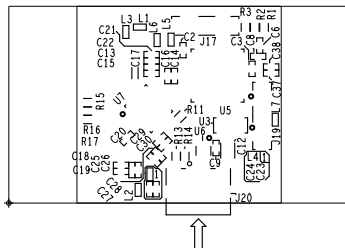
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
SOLDERMASK BOTTOM
SHEET 6 OF 13
21 NOV 2017



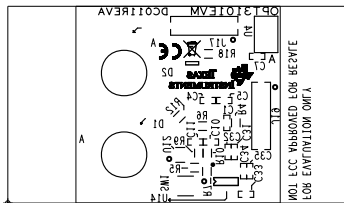
TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
SOLDERPASTE TOP
SHEET 7 OF 13
21 NOV 2017



TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
SOLDERPASTE BOTTOM
SHEET 8 OF 13
21 NOV 2017



TEXAS INSTRUMENTS
OPT3101
DAUGHTER CARD
REV A
SILKSCREEN TOP
SHEET 9 OF 13
21 NOV 2017



TEXAS INSTRUMENTS
 OPT3101
 DAUGHTER CARD
 REV A
 SILKSCREEN BOTTOM
 SHEET 10 OF 13
 21 NOV 2017