



Slot definitions : Root Path Length = Calculated from tool start centre position to tool end centre position.  
Physical Length = Root Path Length + Tool Size = Slot length as defined in the PCB layout

### Drill Table

FOR 7.874MIL DRILL +0/-7.874MIL  
FOR 12MIL DRILL +0/-12MIL  
FOR 16MIL DRILL +0/-16MIL  
FOR PTH DRILL +/-3MIL  
FOR NPTH DRILL +/-2MIL

DESIGN INFORMATION

BOARD SIZE: (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)  
1769MM X 5390MM

Number of Layers : 4  
MIN. TRACK WIDTH: 10 MIL  
MIN. CLEARANCE: 8 MIL  
MIN. VIA DRILL SIZE: 7.874MIL

MINIMUM ANNUAL RING 5.90 MIL EXTERNAL  
PER IPC-D-275 CLASS 2 LEVEL C  
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL

MATERIAL:  
☐ FR-408 ☒ FR-408 High Tg ☐ OTHER  
THICKNESS: ☒ 63 MIL (1.6mm) +/-10% ☐ OTHER  
TOLERANCE: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/-  
BOW & TWIST: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/-

COPPER THICKNESS (FINISHED):  
OUTER: ☒ 1.4MIL (1oz) ☐ 2MIL (1.4oz) ☐ 2.8MIL (2oz)  
INNER SIGNAL: ☒ 1.4MIL (1oz) ☐ 2.8MIL (2oz) ☐ N/A

DILLING:  
REFERENCE: ☒ AS SHOWN ☒ NC\_DRILL FILES  
PTH MIN COPPER THICKNESS: ☒ 1MIL ☐ OTHER

BOARD FINISH:  
SILKSCREEN: ☒ TOP ☒ BOTTOM  
SILKSCREEN COLOR: ☒ WHITE ☐ OTHER  
SOLDER RESIST COLOR:  
☒ GREEN ☐ BLUE ☐ OTHER

SURFACE FINISH: ☒ IMMERSION GOLD (ENIG) ☐ ENIG  
☐ IMM. TIN/SILVER OR EQUIV ☐ OTHER

ARRAY/PANEL: ☐ CUT AND TRIM PER MECH LABEL 1  
☐ N.C. ROUTE ☒ V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs  
TO MEET OR EXCEED THE REQUIREMENTS OF:  
☒ X IPC-A-600F CLASS --> ☐ 1 ☒ 2 ☐ 3  
☒ X UL 94V-0 ☒ X RoHS ☐ OTHER NO. PER ORDER

ADDITIONAL REQUIREMENTS: VIA TENCING: YES ☐ NO ☒  
MICROSECTION: ☐ YES IMPEDANCE CONTROL: YES ☐ NO ☒

BASE BOARD ELEC. TEST: ☐ NONE ☒ X REQUIRED ☐ NO PER ORDER  
MANUFACTURER'S TEST: ☐ RAIL ☐ METAL ☒ SILK



PROJECT TITLE:  
6 channel Isolated Gate driver

DESIGNED FOR:  
Public Release

FILE NAME:  
TIDA-00446\_E2.PcbDoc

ENGINEER: Pawan N	LAYOUT BY: Avinash N
SCALE: 1.00	ALTUM DESIGNER VERSION: 14.3.14.34663

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: TIDA-00446	REV: E2	SUN REV: Not In VersionControl
LAYER NAME = Drill Drawing			
TIDA-00446_E2.GDI	GENERATED : 10/14/2015 3:47:19 PM		TEXAS INSTRUMENTS

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