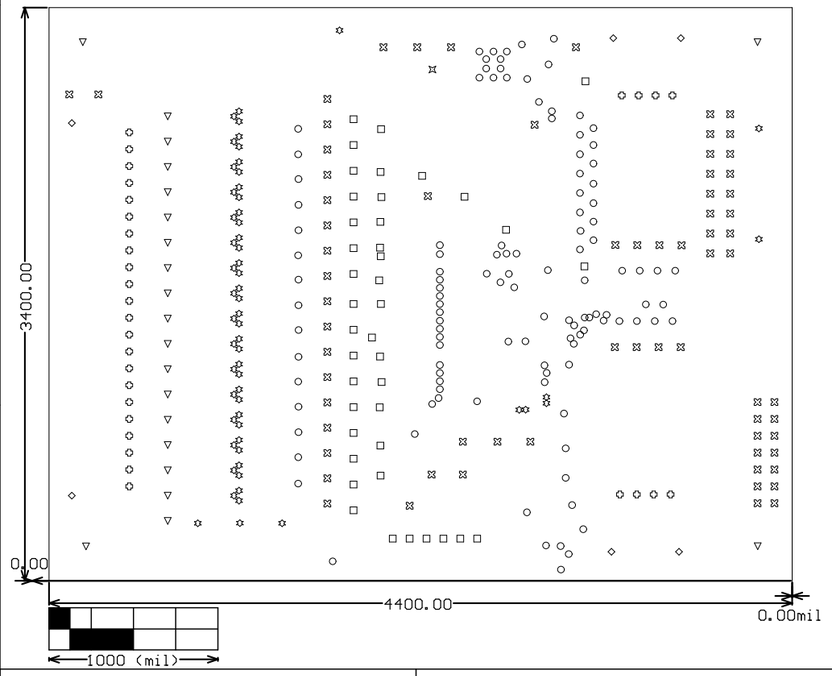

Symbol	Hit Count	Tool Size	Plated	Hole Type
○	115	10mil (0.254mm)	PTH	Round
☼	56	15mil (0.381mm)	PTH	Round
□	35	16mil (0.406mm)	PTH	Round
⌑	1	28mil (0.711mm)	PTH	Round
▽	17	38mil (0.965mm)	PTH	Round
⊠	69	40mil (1.016mm)	PTH	Round
□	6	42.126mil (1.07mm)	PTH	Round
⌖	30	45mil (1.143mm)	PTH	Round
○	1	98.425mil (2.5mm)	PTH	Round
☼	2	118mil (2.997mm)	NPTH	Round
▽	4	125.984mil (3.2mm)	PTH	Round
◇	6	135mil (3.429mm)	NPTH	Round
	342 Total			

Drill Table

Layer Stack Up Detail for: PWR517A.PcbDoc

Layer Name	Gerber Document	Copper Thickness	Dielectric Material
Top Solder Mask	(.GTS)		Solder Resist
Top Layer	(.GTL)	1.4mil	FR-4
MidLayer1	(.G1)	1.4mil	FR-4
MidLayer2	(.G2)	1.4mil	FR-4
Bottom Layer	(.GBL)	1.4mil	
Bottom Solder Mask	(.GBS)		Solder Resist

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
4400MIL X 3400MIL

Number of Layers : 4
MIN. TRACK WIDTH: 10 MIL
MIN. CLEARANCE: 5 MIL
MIN. VIA PAD SIZE: 26 MIL
MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL, HOLES +/- 3 MIL

MATERIAL:
[ ] FR-4 [X] FR-4 High Tg [ ] OTHER
THICKNESS: [X] 62 MIL (1.6mm) +/-10% [ ] OTHER
TOLERANCE: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-
BOW & TWIST: [X] ANSI IPC-6012 TYPE 3 CLASS 2
[ ] OTHER +/-

COPPER THICKNESS (FINISHED):
OUTER: [X] 1.4MIL (1oz) [ ] 2MIL (1.4oz) [ ] 2.8MIL (2oz)
INNER SIGNAL: [X] 1.4MIL (1oz) [ ] 2.8MIL (2oz)

DRILLING:
REFERENCE: [X] AS SHOWN [X] NC_DRILL FILES
PTH MIN COPPER THICKNESS: [X] 1MIL [ ] OTHER

BOARD FINISH:
SILKSCREEN: [X] TOP [X] BOTTOM
SILKSCREEN COLOR: [X] WHITE [ ] OTHER
SOLDER RESIST COLOR:
[X] GREEN [ ] BLUE [ ] OTHER

SURFACE FINISH: [ ] IMMERSION GOLD (ENIG) [X] Pb-FREE HASL
[ ] OTHER

ARRAY/PANEL: [ ] CUT AND TRIM PER MECH LAYER 1
[ ] N.C. ROUTE [X] V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBS TO MEET OR EXCEED THE REQUIREMENTS OF:
[X] ANSI IPC-A-600F CLASS -> [ ] 1 [X] 2 [ ] 3
[X] UL 94V-0 [X] RoHS [ ] OTHER PER ORDER

ADDITIONAL REQUIREMENTS:
MICROSECTION: [ ] YES
BARE BOARD ELEC. TEST: [ ] NONE [X] REQUIRED [ ] PER ORDER
MANUFACTURER'S ID/LOGO: [ ] RAIL [X] METAL [ ] SILK

TEXAS INSTRUMENTS

PROJECT TITLE: bq76PL455EVM
DESIGNED FOR: TI Confidential - NDA Restrictions
FILE NAME: PWR517B.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	PROJECT NAME = bq76PL455EVM	
LAYER NAME = [illegible]	ARTWORK # = 880.prj_Base[illegible]	TEXAS INSTRUMENTS
PLOT NAME = Fabrication Drawing	GENERATED : 4/21/2014 1:11:14 PM	

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ENGINEER: Stephen Holland
LAYOUT BY: Stephen Holland
SCALE: 1.09
ALTIUM DESIGNER VERSION: 10.0.0.27009