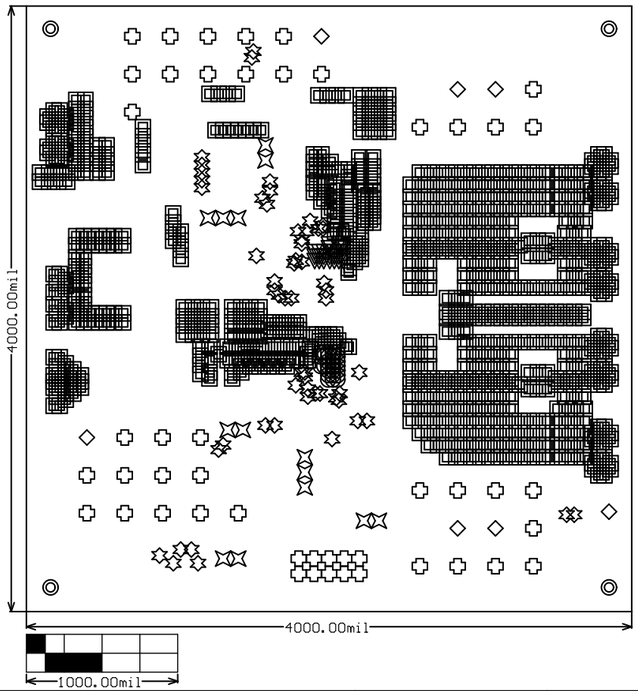
Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	2.80mil		
4	Dielectric1	FR-4 High TG	9.00mil	4.8	
5	Mid-Layer 1	Copper	2.80mil		
6	Dielectric 2	FR-4 High TG	9.00mil	4.8	
7	Mid-Layer 2	Copper	2.80mil		
8	Dielectric 3	FR-4 High TG	9.00mil	4.8	
9	Mid-Layer 3	Copper	2.80mil		
10	Dielectric 4	FR-4 High TG	9.00mil	4.8	
11	Mid-Layer 4	Copper	2.80mil		
12	Dielectric 5	FR-4 High TG	9.00mil	4.8	
13	Bottom Layer	Copper	2.80mil		
14	Bottom Solder	Solder Resist	0.40mil	3.5	
15	Bottom Overlay				



Symbol	Hit Count	Finished Hole Size	Plated	Hole Type
⊙	4	125.00mil (3.175mm)	PTH	Round
◇	7	63.00mil (1.600mm)	PTH	Round
⊠	14	39.37mil (1.000mm)	PTH	Round
□	14	49.21mil (1.250mm)	PTH	Round
○	27	7.87mil (0.200mm)	PTH	Round
▽	27	8.00mil (0.203mm)	PTH	Round
✪	48	40.00mil (1.016mm)	PTH	Round
✡	57	10.00mil (0.254mm)	PTH	Round
◘	811	12.00mil (0.305mm)	PTH	Round
	1009 Total			

DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 8 MIL
MIN. VIA PAD SIZE: 19 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-408 [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 +/-

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: [X] IMMERSION GOLD (ENIG) [ ] ENEPIG
[ ] IMM. TIN/SILVER OR EQUIV [ ] 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 UL: [ ] RAIL [ ] METAL [X] SILK

TEXAS INSTRUMENTS

PROJECT TITLE: TPS546C20EVM-746
DESIGNED FOR: Public Release
FILE NAME: PWR746E1.PcbDoc

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: PWR746	REV: E1	SUN REV: Not In VersionControl
LAYER NAME = [illegible]ions	TID #: N/A		
PLOT NAME = Fabrication Drawing	GENERATED : 7/16/2015 10:24:45 AM	TEXAS INSTRUMENTS	

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ENGINEER:	LAYOUT BY:
Illya Kovarik	Krypton Solutions/RS
SCALE: 1.00	ALTIUM DESIGNER VERSION: 14.3.14.34663