

1

2

3

4

5

6

112.00MM

100.00MM

1000 (mil)

Drill Table

DRILL TOLERANCES: FOR PTH +/-3MILS

FOR NPTH +/-2MILS

DRILL TOLERANCES FOR 12 MIL UTA: +/-0-12

DRILL TOLERANCES FOR 16 MIL UTA: +/-0-16

Symbol	Hlt Count	Finished Hole Size	Plated	Hole Type
O	6	12mil (0.3048mm)	PTH	Round
P	77	16mil (0.4064mm)	PTH	Round
N	127	20mil (0.508mm)	PTH	Round
J	2	36mil (0.9144mm)	PTH	Round
H	64	38mil (0.9652mm)	PTH	Round
A	79	40mil (1.016mm)	PTH	Round
M	2	40.945mil (1.04mm)	PTH	Round
B	16	44mil (1.1176mm)	PTH	Round
E	6	45.276mil (1.15mm)	PTH	Round
D	6	49.213mil (1.25mm)	PTH	Round
G	3	50mil (1.27mm)	PTH	Round
F	4	51mil (1.2954mm)	PTH	Round
C	3	52mil (1.3208mm)	PTH	Round
I	2	106.5mil (2.7051mm)	PTH	Round
K	4	125.984mil (3.2mm)	PTH	Round
L	1	128mil (3.2512mm)	NPTH	Round
402 Total				

The Stackup Legend below this is static.
If you change the stackup, update the Legend.

Layer Stack Up Detail for: Ref: Design.PcbDoc			
Layer	Material	Thickness	Notes
Top Solder Mask	C:87D		
Top Layer	C:87J	1.4mil	FR-4
Bottom Layer	C:88J	1.4mil	
Bottom Solder Mask	C:88D		

DESIGN INFORMATION

BOARD SIZE (REFER ALSO ARRAY/PANEL PROFILING INFORMATION)
39.37MM X 4490.45MM

Number of Layers : 2
MIN. TRACK WIDTH: 10 MIL
MIN. CLEARANCE: 6.85 MIL
MIN. VIA PAD SIZE: 26 MIL
MINIMUM ANNUAL RING 0.177MM(7MIL) EXTERNAL
PER IPC-D-275 CLASS 2 LEVEL C
REGISTRATION TOLERANCES: METAL +/- 5 MIL HOLES +/- 3 MIL

MATERIAL:
☐ FR-408 ☒ FR-4 High TG ☐ OTHER _____
THICKNESS: ☒ 62 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

DRILLING:
REFERENCE: ☒ AS SHOWN ☒ NC_DRILL FILES
PTH MIN COPPER THICKNESS: ☒ 1MIL ☐ OTHER _____

BOARD FINISH:
SLICKSCREEN: ☒ TOP ☒ BOTTOM
SLICKSCREEN COLOR: ☒ WHITE ☐ OTHER _____

SOLDER RESIST COLOR:
☒ GREEN ☐ BLUE ☐ OTHER _____

SURFACE FINISH: ☒ AMMERSION GOLD (ENIG) ☐ ENERP
☐ IMAL TH/SILVER OR EQUIV ☐ OTHER _____

ARRAY/PANEL: ☐ CUT AND TRIM PER MECH LAYER 1
☒ NC. ROUTE ☒ V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs TO MEET OR EXCEED THE REQUIREMENTS OF:
☒ ANSI PC-A-600F CLASS -> ☐ 1 ☒ 2 ☐ 3
☒ UL 94V-0 ☒ ROHS ☐ OTHER PER ORDER

ADDITIONAL REQUIREMENTS:
MICROSECTION: ☐ YES ☐ NO VA TENTING: ☐ NONE ☒ X REQUIRED

BARE BOARD ELEC. TEST: ☐ NONE ☒ X REQUIRED ☐ PER ORDER

MANUFACTURER'S UL: ☐ RAL ☐ METAL ☐ SILK

TEXAS INSTRUMENTS

PROJECT TITLE:
BSCM

DESIGNED FOR:
Public Release

FILE NAME:
ISE3004 REV E1

ENGINEER:

LAYOUT BY:

SCALE: 1.00

ALTIM DESIGNER VERSION:
10.0.0.22084

ALL ARTWORK VIEWED FROM TOP SIDE	BOARD # ISE 3004 REV E1	REV: E1	Not In VersionControl	Texas Instruments (TI) and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. TI and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. TI and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.
LAYER NAME = Drill Drawing	BSCM			
PLOT NAME = BSCM_20140418_6.GDI	GENERATED : 4/19/2014 3:16:30 PM	TEXAS INSTRUMENTS		

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