| 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 | 55.60mil | 4.8 | |
| 5 | Bottom Layer | Copper | 2.80mil | | |
| 6 | Bottom Solder | Solder Resist | 0.40mil | 3.5 | |
| 7 | Bottom Overlay | | | | |

| Symbol | Quantity | Finished Hole Size | Plated | Hole Type |
|---|---|---|---|---|
| I | 254 | 12.00mil (0,305mm) | PTH | Round |
| H | 9 | 40.00mil (1,016mm) | PTH | Round |
| F | 12 | 40.16mil (1.020mm) | PTH | Round |
| G | 2 | 43.31mil (1.100mm) | PTH | Round |
| A | 4 | 49.21mil (1.250mm) | PTH | Round |
| E | 1 | 51.18mil (1.300mm) | PTH | Round |
| C | 4 | 53.15mil (1.350mm) | PTH | Round |
| ⌘ | 4 | 55.12mil (1.400mm) | PTH | Round |
| B | 19 | 63.00mil (1.600mm) | PTH | Round |
| ✖ | 3 | 75.00mil (1.905mm) | PTH | Round |
| D | 4 | 86.61mil (2.200mm) | PTH | Round |
| ◘ | 6 | 125.98mil (3.200mm) | PTH | Round |
| | 322 Total | | | |




DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL
MIN. CLEARANCE: 0.2 mm
MIN. VIA PAD SIZE: 20 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: LMG34XX-BB-EVM
DESIGNED FOR: General Release
FILE NAME: SV601223A.PcbDoc

| | | | |
|---|---|---|---|
| ALL ARTWORK VIEWED FROM TOP SIDE | BOARD #: SV601223 | REV: A | SUN REV: Not In VersionControl |
| LAYER NAME = [illegible]ions | TID #: N/A | | |
| PLOT NAME = Fabrication Drawing | GENERATED : 4/11/2016 1:39:09 PM | TEXAS INSTRUMENTS | |

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.

| ENGINEER: | LAYOUT BY: |
|---|---|
| Eric Faraci | Eric Faraci |
| SCALE: 1.00 | ALTIUM DESIGNER VERSION: 16.0.1.132 |