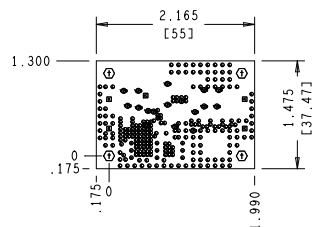


Layers	Drill Type	Via Fill
1 - 2	PTH	--
TOTAL 62 MILS +/- 10% thickness board		

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	12.0	+3.0/-10.0	PLATED	229
•	20.0	+3.0/-3.0	PLATED	17
•	40.0	+3.0/-3.0	PLATED	9
•	63.0	+3.0/-3.0	PLATED	5
⊙	150.0	+3.0/-3.0	PLATED	4




**FAB NOTE**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVE

NOTES:

1. Specifications
  - A. Fabricate IAW IPC600, latest revision.
  - B. Producibility study - It is the responsibility of the supplier to conduct a thorough review of the artwork and media for manufacturability in the supplier's process compliance to all applicable specifications. Customer must be advised in writing (in advance of manufacturing) of any changes, revisions, corrections made or recommendations to ensure conformance to standards, and of any specifications that cannot be met.
  - D. This drawing is to be used in conjunction with the provided gerber and drill data when applicable.
  - E. All notes are "Unless Otherwise Specified."
2. Material
  - A. FR406.
  - B. Color to be opaque.
3. Soldermask
  - Solder mask both sides with (green color) liquid photoimageable soldermask, .003 max. thickness.
  - Soldermask over bare copper.
  - Soldermask is allowed in via holes.
4. Drilling
  - A. All hole diameters are finished sizes.
  - B. All hole to be +/- .003 from true position unless otherwise specified.
  - C. All hole diameters to be +/- .003 unless otherwise specified.
  - D. An NC drill file has been supplied - see drill table.
5. Finish
  - A. Plate thru with copper .0010 min to .002 max. thickness drill size dimension apply after plating.
  - B. Use gold immersion over nickel.
  - C. Finished boards shall not have nicks, scratches, voids, exposed copper, poor plating, all misdrilled holes.
6. Silkscreen
  - A. Silkscreen using white non-conductive epoxy or equivalent (both sides).
  - B. No silkscreen allowed on exposed lands.
  - C. Silkscreen must be a minimum of 3mm away from fiducial marks.
  - D. Minimum clearance between silkscreen legend and vias, pads, or holes to be .005.
  - E. Silkscreen is allowed in via holes.
7. Electrical Test
  - A. All boards shall be 100% electrically tested for opens/short at 10 volts. MIL-SPEC boards to be tested at 40 volts.
  - B. Apply test stamp in non-legend area on solder side of PCB.
  - C. Test is required on both sides of the board.
8. Cleanliness
  - A. Boards shall be free of fiber glass dust or any other foreign material.
  - B. Finished boards must conform to 0.01 MG/IN max NaCl ionic contamination as measured by the omega meter 6005MD.
9. Packaging
  - There shall be a max of 25 units per package, individually wrapped, and shipped in cardboard cratons with sufficient surrounding material to prevent shipping damage.
10. Bow and Twist
  - Bow and twist to be .007 IN/IN or .090 max according to IPC-A-600D.
11. Inspection
  - A. Automatic optical inspection of all layers required.
  - B. The impedance should be controlled by backup layer.
12. Inside corners should be rounded-off
13. Changes to board geometries and apertures are not allowed unless they are approved by customer.
14. Rounding is allowed on 90 degree corners with the size of standard routing bit.

	FAB DRAWING	COMPANY NAME: ROHM SEMICONDUCTOR USA	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
	DESIGNER: PTM/DC CHECKER: INITIAL DATE: 2014/07/09 JMS	PROJECT NAME: BD9B300MUV-E2VVK-101 FAB NUMBER: NUMBER:	TOLERANCES DECIMAL FRACTIONAL 0.005 0.005 0.005 0.01 0.01 0.01 0.02 0.02 0.02 0.05 0.05 0.05 0.1 0.1 0.1 0.2 0.2 0.2 0.5 0.5 0.5 1 1 1 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 7 8 8 8 9 9 9 10 10 10 15 15 15 20 20 20 30 30 30 40 40 40 50 50 50 60 60 60 70 70 70 80 80 80 90 90 90 100 100 100 150 150 150 200 200 200 300 300 300 400 400 400 500 500 500 600 600 600 700 700 700 800 800 800 900 900 900 1000 1000 1000 1500 1500 1500 2000 2000 2000 3000 3000 3000 4000 4000 4000 5000 5000 5000 6000 6000 6000 7000 7000 7000 8000 8000 8000 9000 9000 9000 10000 10000 10000 15000 15000 15000 20000 20000 20000 30000 30000 30000 40000 40000 40000 50000 50000 50000 60000 60000 60000 70000 70000 70000 80000 80000 80000 90000 90000 90000 100000 100000 100000 150000 150000 150000 200000 200000 200000 300000 300000 300000 400000 400000 400000 500000 500000 500000 600000 600000 600000 700000 700000 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