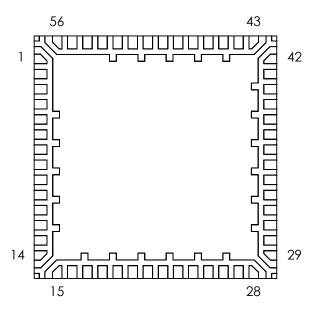
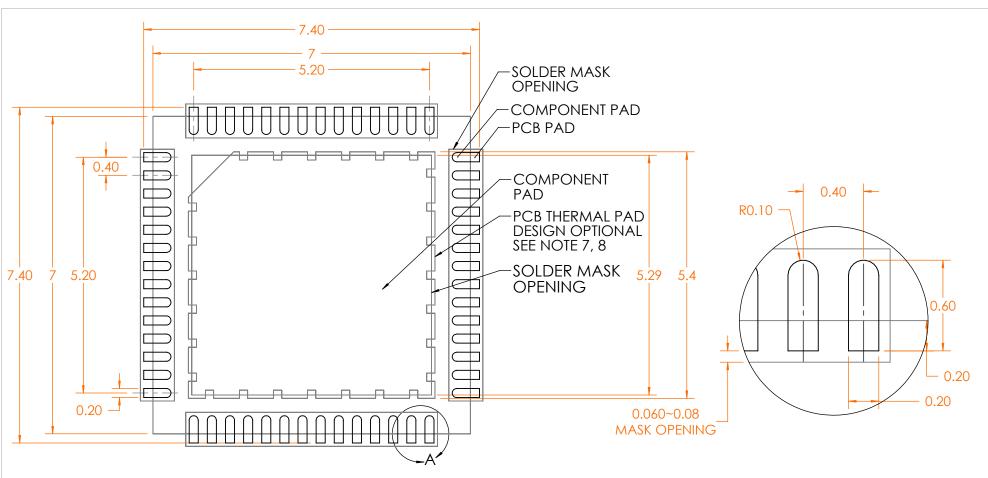


BOND DIAGRAM







Notes: (Unless Otherwise Specified).

DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN KNOWLEDGE BASE WHEN DESIGNING THE PCB.

- 2. SURROUND EACH SIDE OF I/O PERIMETER PADS WITH 0.060~0.075 mm (2.4~3.0mils) NSMD SOLDER MASK OPENING. OPTIONALLY OK TO USE RECTANGLE (NSMD) MASK OPENING AROUND I/O PADS.
- 3. ROUNDED PCB LAND PADS REDUCE SOLDER BRIDGING. PAD CHAMFER ANGLE MAY VARY.
- PCB LANDS SHOULD BE 0.2mm LONGER THAN THE PACKAGE I/O PADS.
- THE WIDTH OF PERIMETER PCB PADS SHOULD MATCH (1:1) THE WIDTH OF THE PACKAGE PADS. 5.
- REFER TO INDUSTRY REFERENCES SUCH AS IPC-SM-782 FOR PCB LAND PATTERN DESIGN.
- THERMAL GROUND PADS MAY BE CHANGED TO SUITE REQUIREMENTS OF THE DESIGNER. MAKE COPPER THERMAL PAD AS LARGE AS POSSIBLE.
 - В. DRILL MULTIPLE THERMAL VIAS 0.25~0.33mm DIAMETER USING 0.8~1.2mm PITCH GRID.
 - PLATE THERMAL VIA BARRELS WITH 1-OUNCE COPPER (18µm).
 - TENT (COVER) THERMAL VIAS WITH SOLDER MASK 0.1mm LARGER THAN THE VIA DIAMETER.
- 8. STENCIL DESIGN MAY BE CHANGED TO SUITE REQUIREMENTS OF THE DESIGNER.
 - LASER CUT STENCIL 0.125mm (5mil) THICK. APERTURE SIZE-TO-LAND RATIO OF 1:1. Α.
 - THE SOLDER PASTE OPENING IN THE THERMAL PAD AREA SHOULD BE A MATRIX ARRAY OF В. SMALLER APERATURES INSTEAD OF ONE LARGE APERATURE TO CONTROL PASTE AMOUNTS.
 - APPLY 50% TO 80% SOLDER PASTE COVERAGE IN THE PAD AREA.

DETAIL A SCALE 40:1



www.MirrorSemi.com

TITLE: 56-LEAD 7mm P=0.40mm **QFN CAVITY PACKAGE** RECOMMENDED PCB LAYOUT

SCALE

SIZE

DWG. NO. 445670 M-QFN56W.4 **RFV**

DO NOT SCALE DRAWING | SHEET 4 OF 4