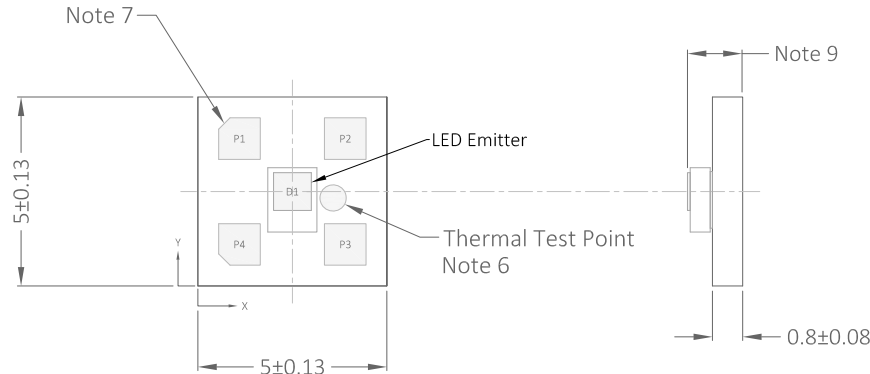


REVISIONS			
REV	DESCRIPTION	BY	DATE
B	Added tooling holes for production	RW	Mar 30/15
C	Minor silk screen adjustments	RW	Jan 16/18
D	Switched to COFAN MCPCB base technology	RW	Jun 3/20



Scale 5:1



Saber Micro-Z1 Carrier Tab
Note 1

Scale 2:1

Solder Pad Locations (Note 7)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	1.1	3.9	0	1.1 x 1.1
P2	3.9	3.9	0	1.1 x 1.1
P3	3.9	1.1	0	1.1 x 1.1
P4	1.1	1.1	0	1.1 x 1.1



Connection Schematic
(Note 6)

PCB Pads & Markings
Scale 1:1

NOTES:

1. The Saber Micro-Z1 is delivered attached to a carrier tab for easy handling during shipping and production. The carrier tab is v-scored so that the LED module can be easily separated from the carrier.
2. Base is Polytronics Aluminum MCPCB with white soldermask and black markings.
3. Bottom of the MCPCB base is uncoated and electrically neutral.
4. Solder pads are ENIG plated.
5. LED module must be mounted to a suitable heat sink with a thermally conductive interface material such as our pre-cut thermal adhesive tape. (Part LXT-Z-5)
6. The thermal test pad is electrically connected to the LED anode. See the datasheet for instructions for determining LED junction temperature.
7. Solder pads are located from the X/Y baseline to the center of the solder pad.
8. Notched corner denotes cathode.
9. The maximum overall height will depend on the mounted LED:

- Blue, Green Royal Blue & Cyan = 1.79mm
- Red, Red-Orange, Amber & Deep Red = 2.09mm
- Lime and PC Amber = 1.83mm
- UV = 1.86mm

QTY	DESCRIPTION
1	SM-01 Polytronics Aluminum MCPCB
1	LUXEON Rebel LED
Luxeon Star LEDs service@luxeonstar.com / luxeonstar.com	
PROJECT SABER² Micro-Z1 LUXEON Z 5mm Square LED Module	
Quadica Developments Inc.	
PART: SM-01-XX	REV: D

SCALE	As noted	DRAWN	RW	Mar 14/15	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	WW	Mar 14/15	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED		Mar 16/15	QTY PER ARRAY	5

SABER²