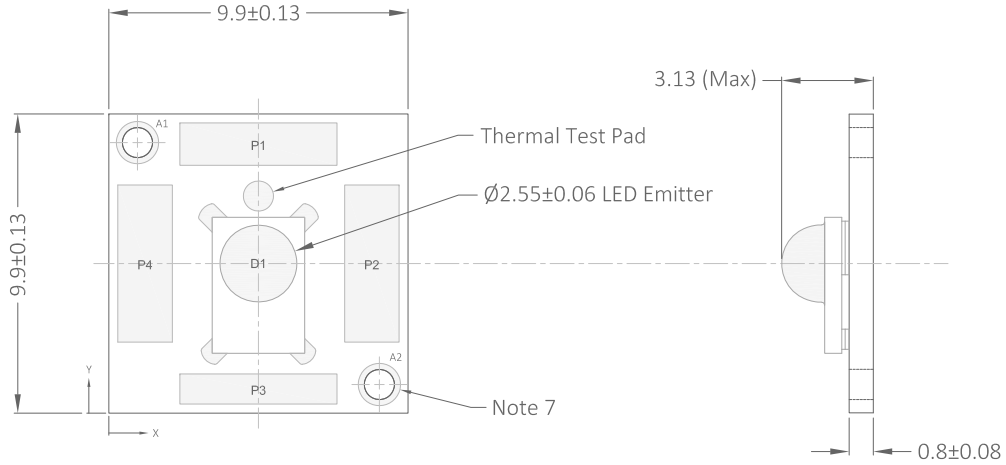
REVISIONS			
REV	DESCRIPTION	BY	DATE
B	1. Thickness of aluminium base reduced from 1 mm to 0.8 mm. 2. Rebel LED pad layout updated.	RW	Apr 29/13
C	1. Revised array 2. Moved pads away from edge 3. Added thermal test point	RW	Feb 11/22

PCB Pads & Markings
1:1



Scale 4:1

NOTES:

1. Base is a Polytronics aluminum MCPCB with white soldermask and black markings.
2. Bottom of the base is uncoated and electrically neutral.
3. Solder pads are ENIG plated.
4. The 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-R-10)
5. Thermally conductive double sided tape or epoxy is recommended for fastening the LED module to the cooling surface. Mechanical fasteners are not recommended.
6. Solder pads are located from the X/Y baseline to the center of the solder pad.
7. 1 mm hole and 1.4 mm solder mask opening to accommodate positioning of Carclo 104 series optics.

Hole Table				
Hole ID	X Loc	Y Loc	Dia	Loc Tol
A1	0.95	8.95	1.0 ±0.08	±0.04
A2	8.95	0.95	1.0 ±0.08	±0.04

Solder Pad Locations (Note 6)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	4.9	8.9	0	5.2 x 1.4
P2	8.7	4.9	0	1.8 x 5.2
P3	5	0.8	0	5.2 x 1.4
P4	1.2	4.9	0	1.8 x 5.2

Connection Schematic

QTY	DESCRIPTION
1	Polytronics Aluminum MCPCB
1	LUXEON Rebel LED

Luxeon Star LEDs
service@luxeonstar.com / luxeonstar.com

PROJECT
SABER 10mm Square
Rebel LED Module

Quadica Developments Inc.

PART: MR-XXX-10S | REV: C

SCALE	As noted	DRAWN	RW	Apr 23/10	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	Apr 23/10	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED		Apr 29/10	QTY PER ARRAY	30

SABER