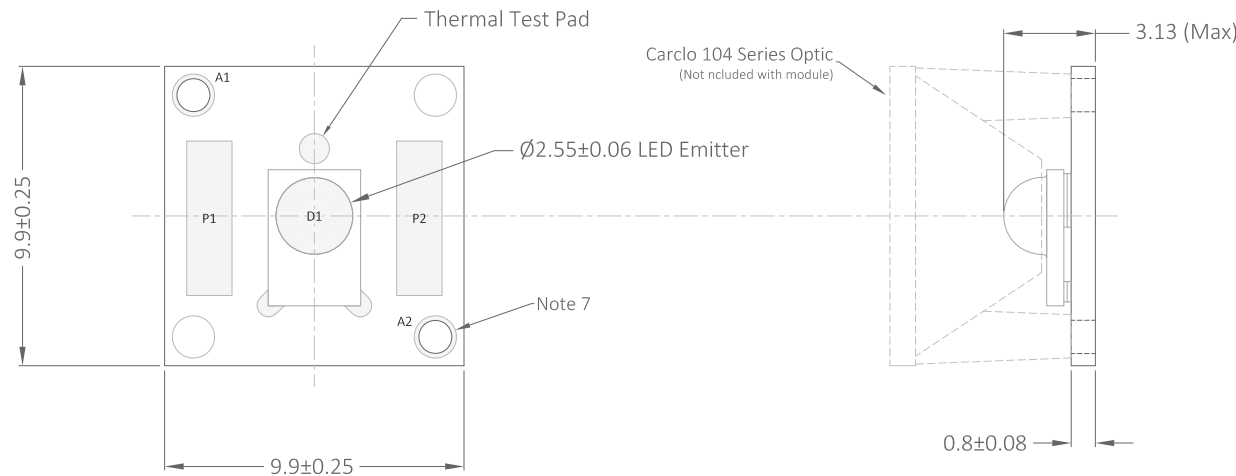


REVISIONS			
REV	DESCRIPTION	BY	DATE
D	Changed the array to a 30-up. No other changes to the board design	RW	02/21/21



PCB Markings
Scale 1:1



Scale 4:1

NOTES:

1. Base is a SinkPAD-II aluminium MCPCB with white soldermask and black markings.
2. Bottom of the MCPCB base is uncoated and electrically neutral.
3. 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)
4. Thermally conductive double sided tape or epoxy is recommended for fastening the LED module to the cooling surface. Mechanical fasteners are not recommended. See the datasheet for additional details.
5. See the datasheet for instructions for determining LED junction temperature.
6. See the datasheet for additional wiring connection details.
7. 1.4mm openings are cut through the solder mask to accommodate positioning of Carclo 104 series optics.



Connection Schematic

Hole Table (Note 8)				
Hole ID	X Loc	Y Loc	Dia	Loc Tol
A1	-4.00	4.00	1.0 ±0.08	±0.04
A2	4.00	-4.00	1.0 ±0.08	±0.04

Solder Pad Locations (Note 8)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	-3.5	-0.1	0	1.5 x 5.1
P2	3.5	0.1	0	1.5 x 5.1

SCALE	As noted	DRAWN	RW	Jul 22/18	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	Jul 31/18	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED		Jul 31/18	QTY PER ARRAY	32



QTY	DESCRIPTION
1	SP-05 SinkPad Aluminum MCPCB
1	LUXEON Rebel LED
Luxeon Star LEDs service@luxeonstar.com / luxeonstar.com	
PROJECT SP-05 SinkPAD-II 10 mm Square Rebel LED Module	
Quadica Developments Inc.	
PART: SP-05-XX	REV: D