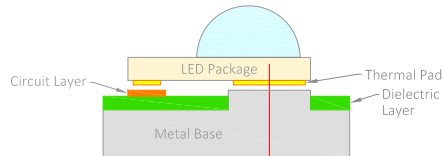
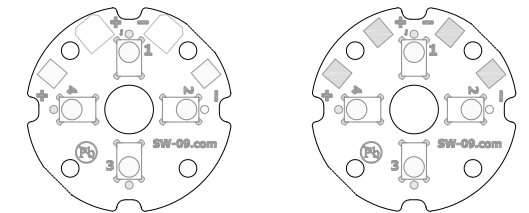


REVISIONS			
REV	DESCRIPTION	BY	DATE
B	Added side notches to allow perimeter wire routing	CW	Oct 29/23
B	Adjustment to correct for optic interference	CW	Oct 29/23

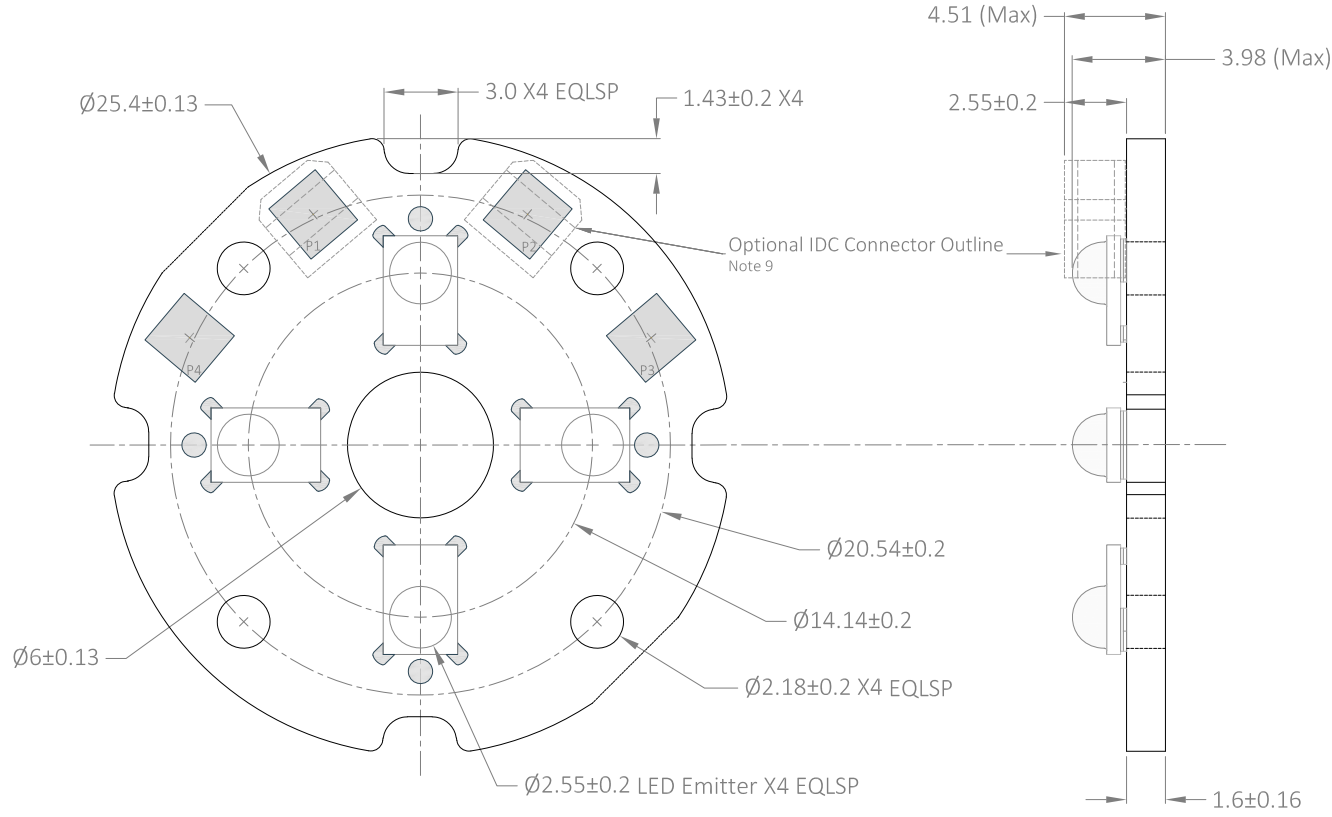


This SABER<sup>2</sup> LED module features COFAN USA's Pillar technology for a direct thermal path from the LED to the heatsink



IDC Connectors Solder Pads

PCB Pads & Markings 1:1



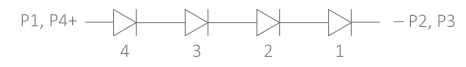
Scale 3:1

NOTES:

1. Base is a COFAN USA Pillar aluminum MCPCB with white soldermask and gold & black markings.
2. Bottom of the MCPCB 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-SR08-12)
5. 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 SW-09 datasheet for additional details.
6. See the datasheet for instructions for determining LED junction temperature.
7. Solder pad locations are relative from the center of the module to the center of the solder pad.
8. See the datasheet for additional wiring connection details.
9. Optional IDC connectors are soldered to pads P1 and P2.

Pad ID	X Loc	Y Loc	Size	Rotation*
P1	-4.4	9.5	2.7 x 2.5	130°
P2	4.4	9.2	2.7 x 2.5	50°
P3	9.5	4.5	2.7 x 2.5	40°
P4	-9.5	4.4	2.7 x 2.5	140°

\* Rotation angle around center point of pad.



Connection Schematic (Note 8)

SCALE	As noted	DRAWN	RW	Jul 23/23	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	Jul 31/23	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED/REV	CW	Oct 29/23	QTY PER ARRAY	6



QTY	DESCRIPTION
1	SW-09 COFAN USA Pillar Aluminum MCPCB
4	LUXEON Rebel LED
2	AVX 00-9176-001-8X3-906 IDC Connector (Optional)

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

PROJECT  
**SW-09 SABER<sup>2</sup>**  
 Series Connected Quad Round Rebel LED Module

**Quadica Developments Inc.**

PART: SW-09-XX REV: B