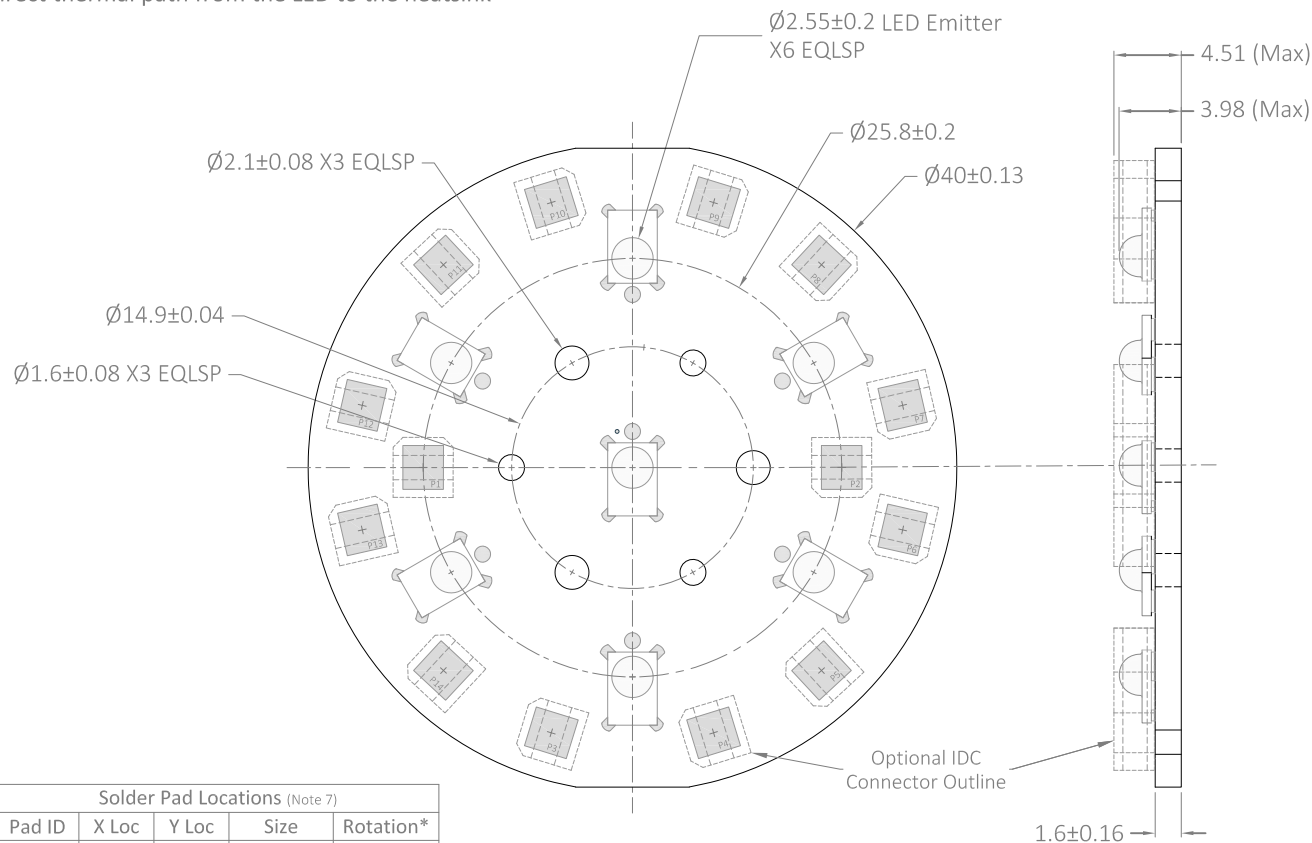


This SABER² LED module features COFAN USA's Pillar technology for a direct thermal path from the LED to the heatsink



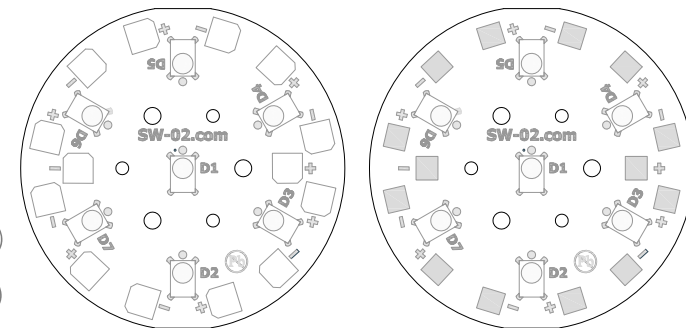
Scale 2:1

Solder Pad Locations (Note 7)				
Pad ID	X Loc	Y Loc	Size	Rotation*
P1	-12.9	0.0	2.7 x 2.5	180°
P2	12.9	0.0	2.7 x 2.5	0°
P3	11.6	-16.3	2.7 x 2.5	253°
P4	5.0	-16.3	2.7 x 2.5	287°
P5	11.6	-12.5	2.7 x 2.5	313°
P6	16.6	-3.8	2.7 x 2.5	347°
P7	16.6	3.8	2.7 x 2.5	13°
P8	11.6	12.5	2.7 x 2.5	47°
P9	5.0	16.3	2.7 x 2.5	73°
P10	-5.0	16.3	2.7 x 2.5	107°
P11	-11.6	12.5	2.7 x 2.5	133°
P12	-16.6	3.8	2.7 x 2.5	167°
P13	-16.6	-3.8	2.7 x 2.5	193°
P14	-11.6	-12.5	2.7 x 2.5	227°

* Rotation angle around center point of pad.

SCALE	As noted	DRAWN	RW	Jul 25/23	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	Jul 31/23	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED		Oct 28/23	QTY PER ARRAY	6

REVISIONS			
REV	DESCRIPTION	BY	DATE

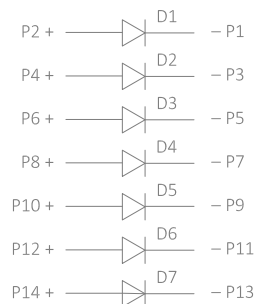


IDC Connectors Solder Pads

PCB Pads & Markings Scale 1:1

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-SR02-03)
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-02 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.



Connection Schematic (Note 8)

QTY	DESCRIPTION
1	SW-02 COFAN USA Pillar Aluminum MCPCB
7	LUXEON Rebel LED
14	AVX 00-9176-001-8X3-906 IDC Connector (Optional)

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

PROJECT

SW-02 SABER²
Addressable 7-Up Round Rebel LED Module

Quadica Developments Inc.

PART: SW-02-XX

