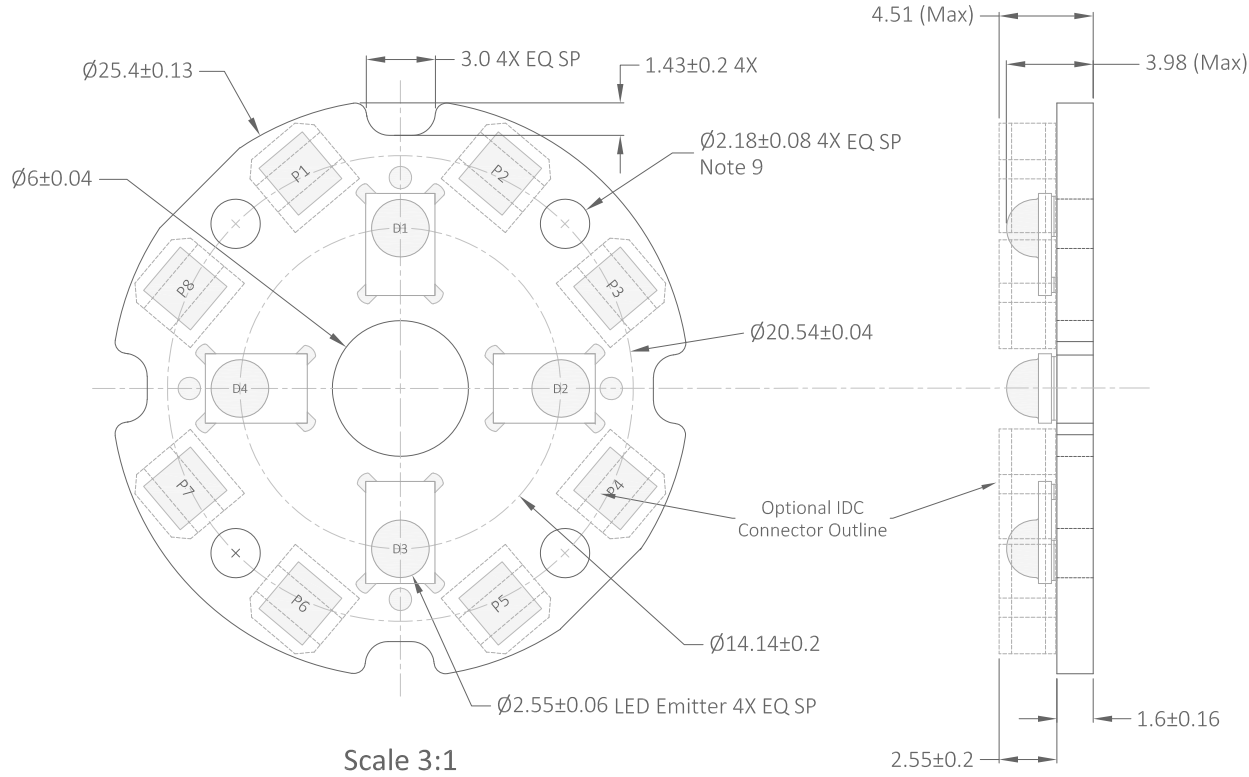


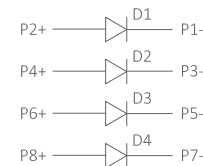
This SABER² LED module features COFAN USA's Pillar technology for a direct thermal path from the LED to the cooling surface



Scale 3:1

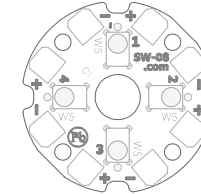
Solder Pad Locations (Note 7)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	-4.4	9.5	40	2.5 x 2.7
P2	4.4	9.5	320	2.5 x 2.7
P3	9.5	4.4	310	2.5 x 2.7
P4	9.5	-4.4	50	2.5 x 2.7
P5	4.4	-9.5	40	2.5 x 2.7
P6	-4.4	-9.5	320	2.5 x 2.7
P7	-9.5	-4.4	310	2.5 x 2.7
P8	-9.5	4.4	50	2.5 x 2.7

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

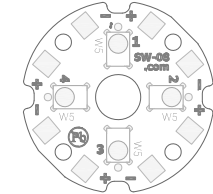


Connection Schematic (Note 8)

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



IDC Connectors



Solder Pads

PCB Markings 1:1

NOTES:

- Base is a COFAN USA Pillar aluminum MCPCB with white soldermask and gold & black markings.
- Bottom of the MCPCB base is uncoated and electrically neutral.
- Solder pads are ENIG plated.
- 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)
- 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-08 datasheet for additional details.
- See the datasheet for instructions for determining LED junction temperature.
- Solder pad locations are relative from the center of the module to the center of the solder pad.
- See the datasheet for additional wiring connection details.
- Holes sized and positioned to accommodate the Khatod PL115 series of secondary optics.

QTY	DESCRIPTION
1	SW-08 COFAN USA Pillar Aluminum MCPCB
4	LUXEON Rebel LED
8	AVX 00-9176-001-8X3-906 IDC Connector (Optional)
Luxeon Star LEDs service@luxeonstar.com / luxeonstar.com	
PROJECT SW-08 SABER² Addressable Quad Round Rebel LED Module	
Quadica Developments Inc.	
PART: SW-08-XX	REV: B

SABER²