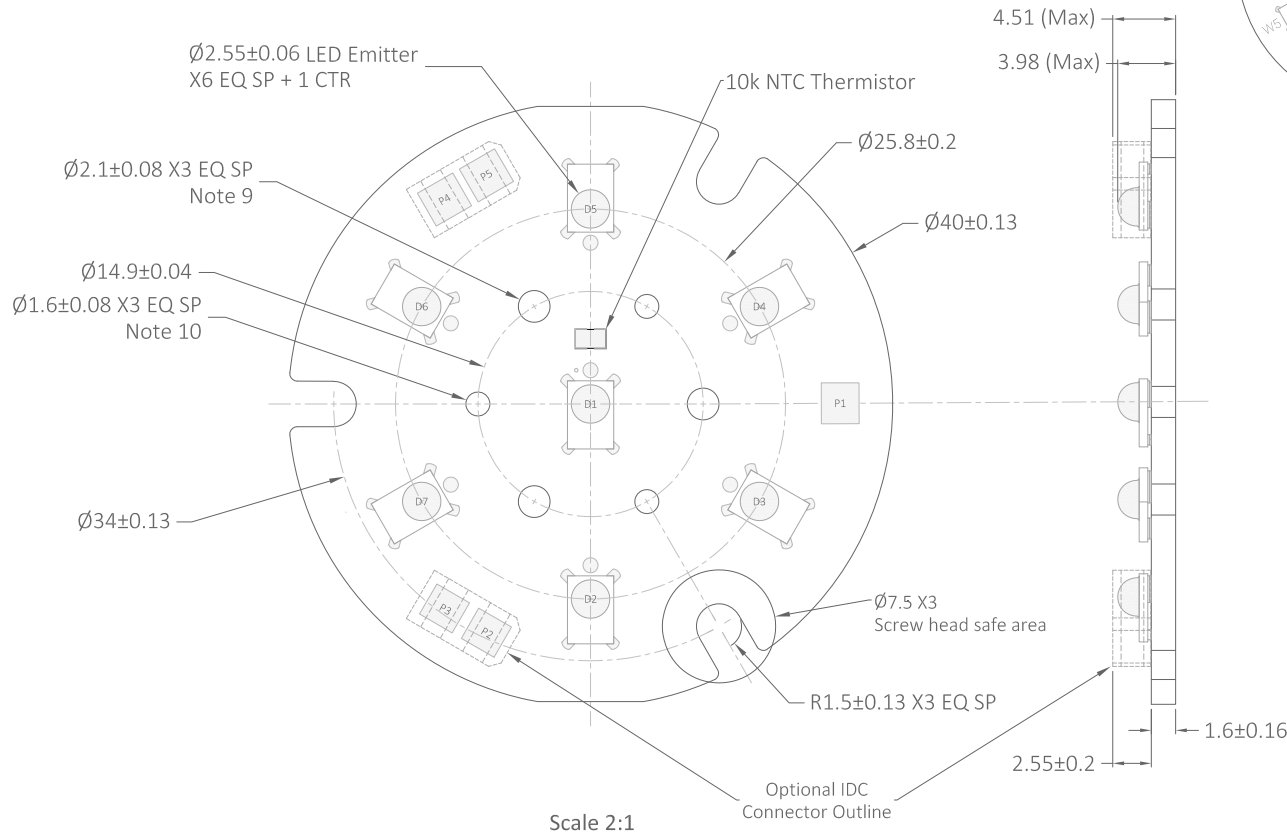


This SABER² LED module features COFAN USA's Pillar technology for a direct thermal path from the LED to the cooling surface

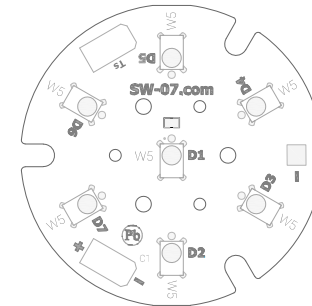


Solder Pad Locations (Note 7)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	16.5	0.0	0	2.7 x 2.5
P2	-6.8	-15.1	330	2.7 x 2.5
P3	-9.6	-13.6	330	2.7 x 2.5
P4	-9.7	13.5	30	2.7 x 2.5
P5	-6.9	15.1	30	2.7 x 2.5

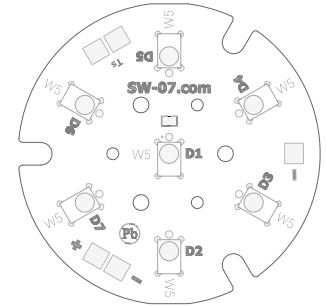


SCALE	As noted	DRAWN	RW	Jul 28/22	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	Jul 31/22	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED/UPDATE	CW	Feb 25/23	QTY PER ARRAY	6

REVISIONS			
REV	DESCRIPTION	BY	DATE
B	Added 3 outer positioning slots	CW	Feb 25/23
B	Added thermistor sensor and optional connector	CW	Feb 25/23
B	Repositioned power connectors to accommodate positioning slots	CW	Feb 25/23



IDC Connectors



Solder Pads

PCB Pads & Markings
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 not generally recommended. See the SW-07 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. Holes sized and positioned to accommodate the Khatod PL121 series of secondary optics.
10. Holes sized and positioned to accommodate the Polymer 7 Cell Cluster optics.

QTY	DESCRIPTION
1	SW-07 COFAN USA Pillar Aluminum MCPCB
7	LUXEON Rebel LED
1	Vichay NTHS0805N02N1002JE 10k NTC Thermistor
2	AVX 00-9176-002-8X3-906 2 Pos IDC Connector (Optional)

Luxeon Star LEDs service@luxeonstar.com / luxeonstar.com	
PROJECT SW-07 SABER² Series Connected 7-Up Round Rebel LED Module	
Quadica Developments Inc.	
PART: SW-07-XX	REV: B

SABER²