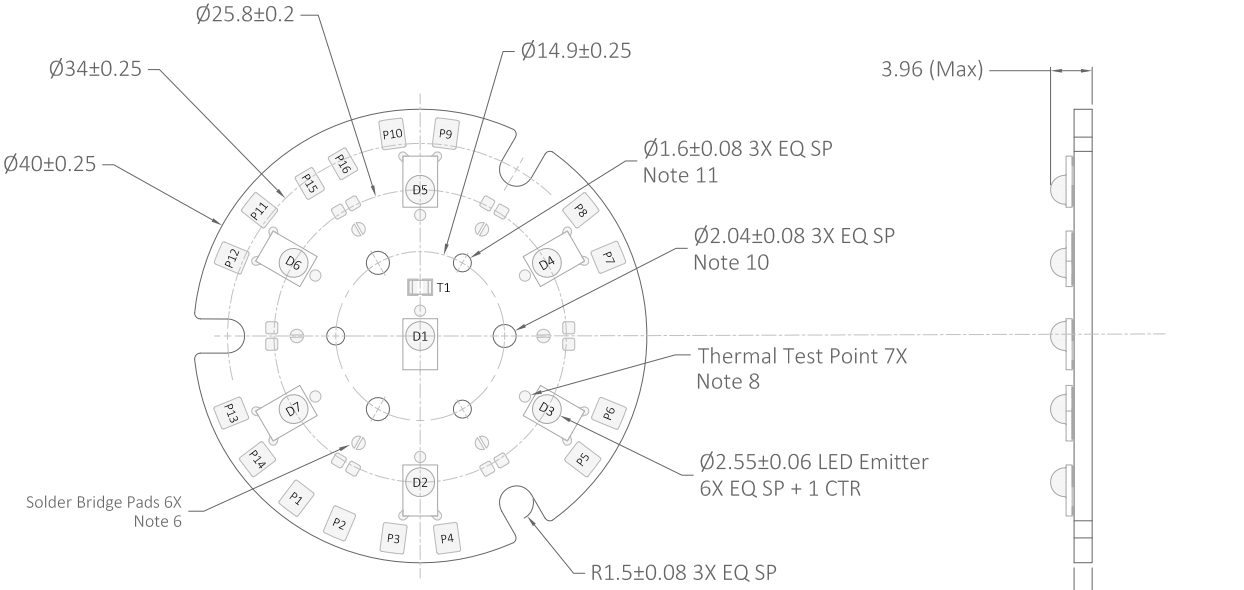
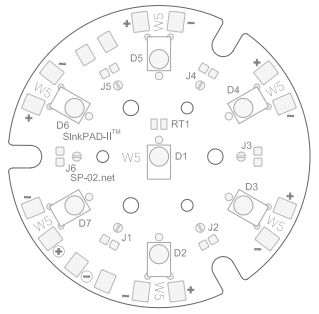
REVISIONS			
REV	DESCRIPTION	BY	DATE



Scale 2:1

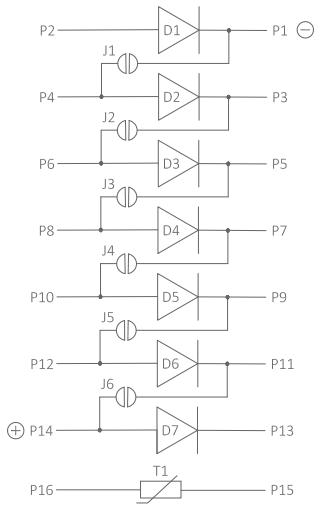


PCB Pads & Markings
Scale 1:1

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-SR02-3)
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. The module can be configured for series operation by applying solder dots between series configuration pads J1 to J6. See the datasheet for additional details.
6. T1 is a Vishay NTC 10K thermistor suitable for monitoring temperature and foldback control.
7. See the datasheet for instructions for determining LED junction temperature.
8. Perimeter solder pad locations are relative from the center of the module to the center of the solder pad.
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.

Solder Pad Locations (Note 8)				
Pad ID	X Loc	Y Loc	Rotation	Size
P1	-10.9	-14.3	323	2.0 x 2.5
P2	-7.1	-16.5	337	2.0 x 2.5
P3	-2.4	-17.9	352	2.0 x 2.5
P4	2.4	-17.9	8	2.0 x 2.5
P5	14.3	-10.9	53	2.0 x 2.5
P6	16.7	-6.8	68	2.0 x 2.5
P7	16.6	6.9	293	2.0 x 2.5
P8	14.2	11.1	308	2.0 x 2.5
P9	2.2	17.8	352	2.0 x 2.5
P10	-2.4	17.8	8	2.0 x 2.5
P11	-14.2	11.0	52	2.0 x 2.5
P12	-16.6	6.9	67	2.0 x 2.5
P13	-16.7	-6.8	292	2.0 x 2.5
P14	-14.3	-10.9	307	2.0 x 2.5
P15	-9.7	13.5	301	1.7 x 2.2
P16	-6.8	15.2	301	1.7 x 2.2



Connection Schematic
(Note 5)

QTY	DESCRIPTION
1	SP-02 SinkPad Aluminum MCPCB
7	LUXEON Rebel LED
1	Vishay NTC 10K Thermistor (NTHS0805N02N1002J)

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

PROJECT

SP-02 SinkPAD-II
Rebel 40mm 7 LED Round LED Module

Quadica Developments Inc.

PART: SP-02-XX | REV: A

SCALE	As noted	DRAWN	RW	May 15/14	SOLDER PASTE	AIM NC-258
UNITS	MM	CHECKED	CW	May 28/14	REFLOW PROFILE	Standard
TOLERANCE	As noted	ISSUED		Aug 1/14	QTY PER ARRAY	6

SinkPAD