

1

2

3

4

5

6

A

A

B

B

C

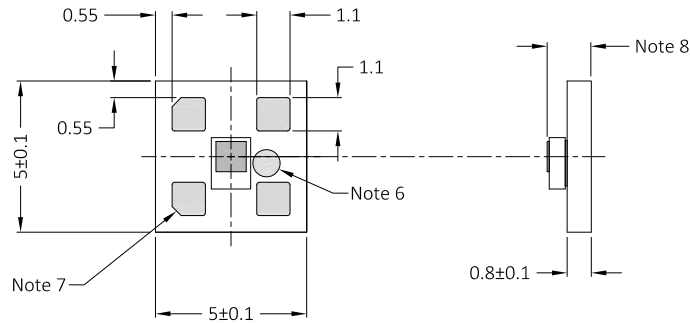
C

D

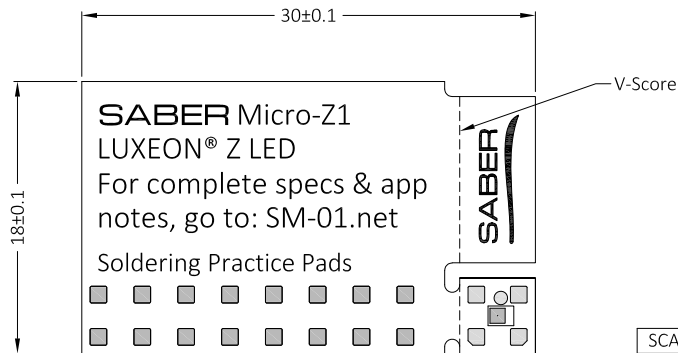
D



Actual Size

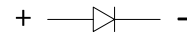


Scale 1:4



Saber Micro-Z1 Carrier Tab
Note 1

Scale 1:2



Connection Schematic

Notes

- The Saber Micro-Z1 is delivered attached to a carrier tab for easy handling during shipping and production. The carrier tab is v-scored so that the LED module can be easily separated from the carrier.
- Base is aluminum MCPCB with white soldermask and black markings.
- Bottom of the MCPCB base is uncoated and electrically neutral.
- Solder pads are ENIG plated.
- 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-Z-5)
- Thermal test point. The test pad is electrically connected to the LED anode. See the datasheet for instructions for determining LED junction temperature.
- Notched corner denotes cathode.
- The maximum overall height will depend on the mounted LED:
 - Blue, Green Royal Blue & Cyan = 1.79mm
 - Red, Red-Orange, Amber & Deep Red = 2.09mm
 - Lime and PC Amber = 1.83mm
 - UV = 1.86mm

QTY	DESCRIPTION
1	SM-01 MCPCB
1	LUXEON Z LED

Quadica Developments Inc.

PROJECT

SABER Micro-Z1
LUXEON Z 5mm Square LED Module

Luxeon Star LEDs

DWG: SM-01c.dwg PART: SM-01-XX REV: C

PROJECT ID: SHEET 1 OF 1

SCALE	As noted	NAME	DATE
UNITS	MM	DRAWN	RW May 14/15
TOLERANCE	As noted	CHECKED	WW May 14/15
SOLDER PASTE	AIM NC-258	LAST REVISED	RW Jan 9/18
REFLOW PROFILE	Standard	RELEASED	Feb 28/18
QTY PER PANEL	15		
DEPANELIZED	Yes		
Above values unless otherwise noted			



1

2

3

4

5

LTR