

8.75" DUAL BANK LED RAIL

Dual Bank, 60V at 90mA

GENERAL DESCRIPTION

The ACR-0602-2193 is designed as a replacement for field replaceable, dual tube, single edge lit 10.4" CCFL displays.

The rail utilizes active fault protection to keep remaining LEDs functioning, in the event that one or more individual LEDs should ever fail.

The rail requires a constant current source, in order to properly drive the LEDs and is compatible for use with the I-Drive 3.

MECHANICAL / ENVIRONMENTAL

Weight = 4.6g

Altitude = 35,000 ft max.

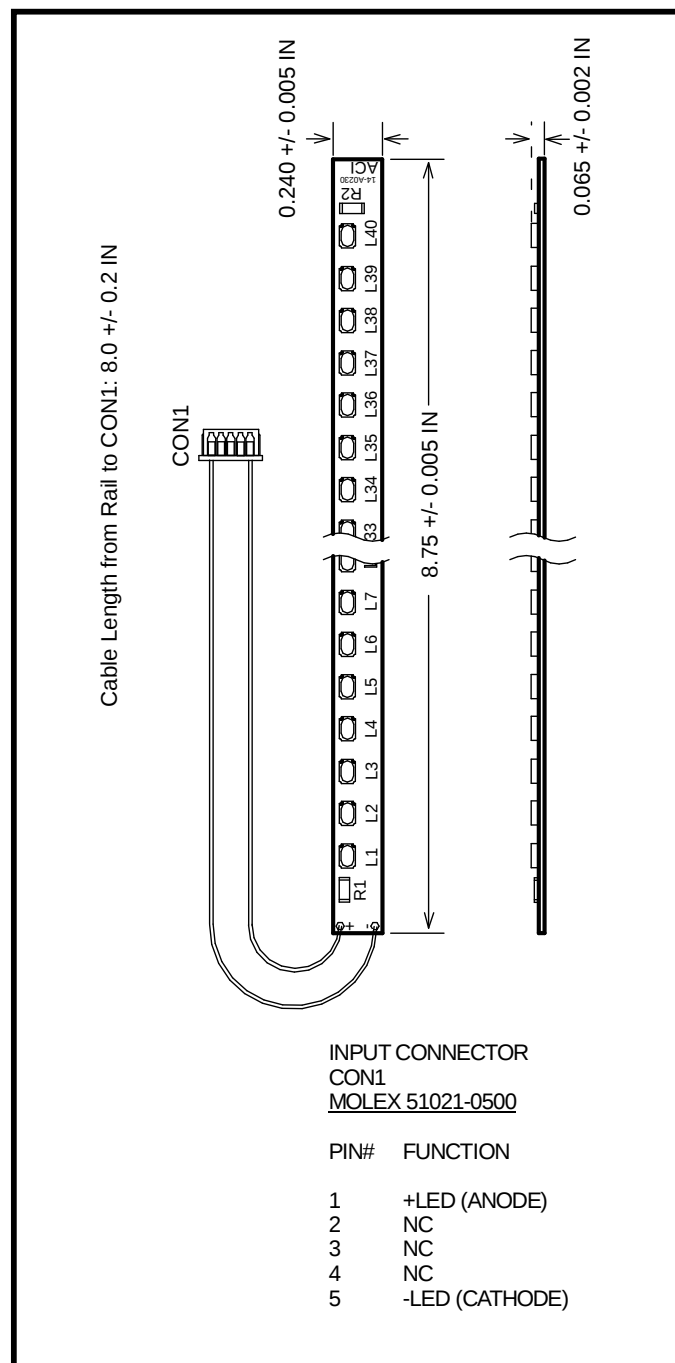
Humidity < 95% non-condensing

Size (L x W x H) = 8.75 IN x 0.24 IN x 0.065 IN

PCB thickness = 0.030 IN

Input Connector = CON1

RoHS Compliant



MAXIMUM RATINGS*

Symbol	Parameter	Value	Unit
Tled	Operating Temperature of LED Edge Light (Light Rail Contact)	-20 to +75	°C
Tstg	LED Rail Storage Temperature	-40 to +105	°C
Ifwd	LED Forward Current	108.0	mADC

*Maximum Ratings are those values beyond which damage may occur.

LED OPTICAL CHARACTERISTICS

LED Manufacturer Specifications for reference purpose only

Symbol	Parameter	Test Condition	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 150mA	36	39.4	42.8	Lm
X	White X Coordinate			0.320		-
Y	White Y Coordinate			0.317		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 90mA (2 banks/rail), Tled = +75°C (LEDs without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Nom	Max	Unit
Vfwd	LED Rail Forward Voltage Drop		54	60	66	VDC

TYPICAL LED RAIL PERFORMANCE GRAPH

