



397 Route 281
Tully, New York 13159
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com

ACR-0842-2435

PRODUCT DATA SHEET – PAGE 1 OF 2

10.835" DUAL BANK LED RAIL

(Dual Bank, 84V @ 100mA)

04/29/2014

GENERAL DESCRIPTION

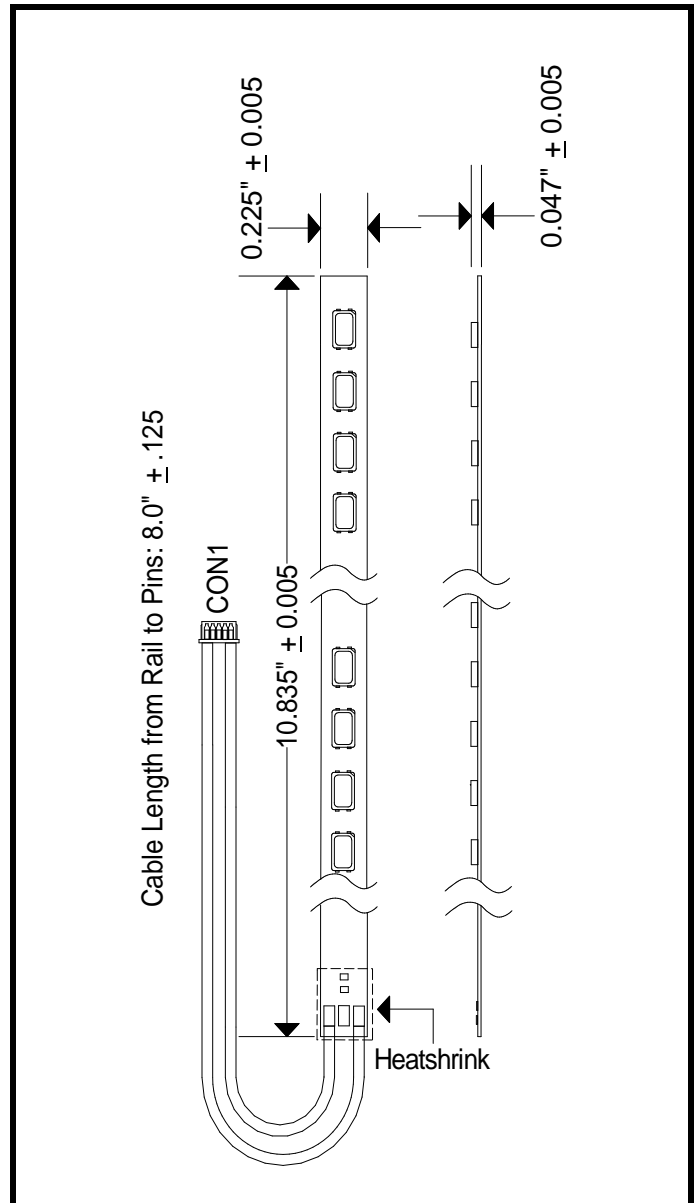
The ACR-0842-2435 is designed as a replacement for field replaceable, single edge lit 10.4" LED displays.

The rail requires the use of a constant current source to properly drive the LED's.

The LED rail is compatible with any of ACI's I-Drive series of LED Drivers.

MECHANICAL / ENVIRONMENTAL

- Weight = 3 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 10.835 IN x 0.225 IN x .047 IN
- Flex Foil thickness = 0.007 IN
- Input connector = CON1
- RoHS compliant



**397 Route 281
Tully, New York 13159
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com**

PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

04/29/14

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-30 to +85	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	Maximum LED forward current (DC)	120	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 93mA	14.1		18.1	cd
X	White X coordinate			0.280		
Y	White Y coordinate			0.295		

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 100mA per bank (2 banks per rail), Tled = +75Deg-C (LED's heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		76	84	92	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

