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# ACR-0842-2435

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## 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

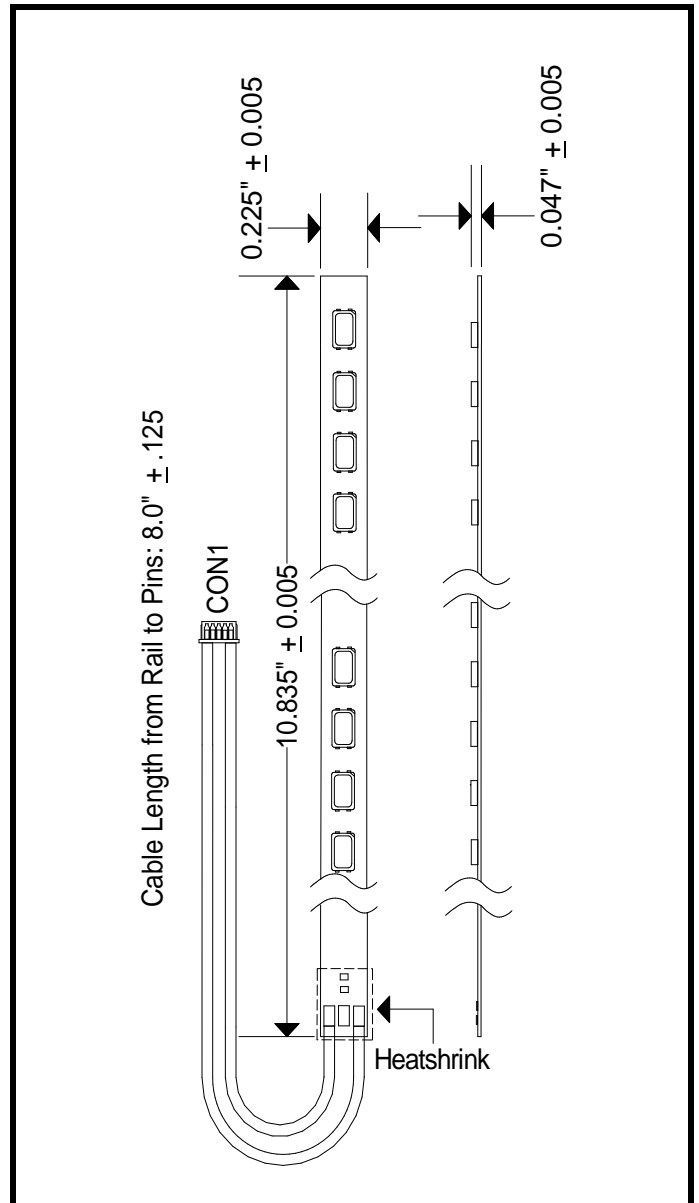
Humidity < 95% non-condensing

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



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**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**

