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# ACR-0833-2248

PRELIMINARY DATA SHEET – PAGE 1 OF 2

## 21.00" TRI BANK LED RAIL

(Tri Bank, 83V @ 110.0 mA)

03/12/13

### GENERAL DESCRIPTION

The ACR-0833-2248 is designed as a replacement for single rail, single edge lit 24.0" 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 = 9 grams

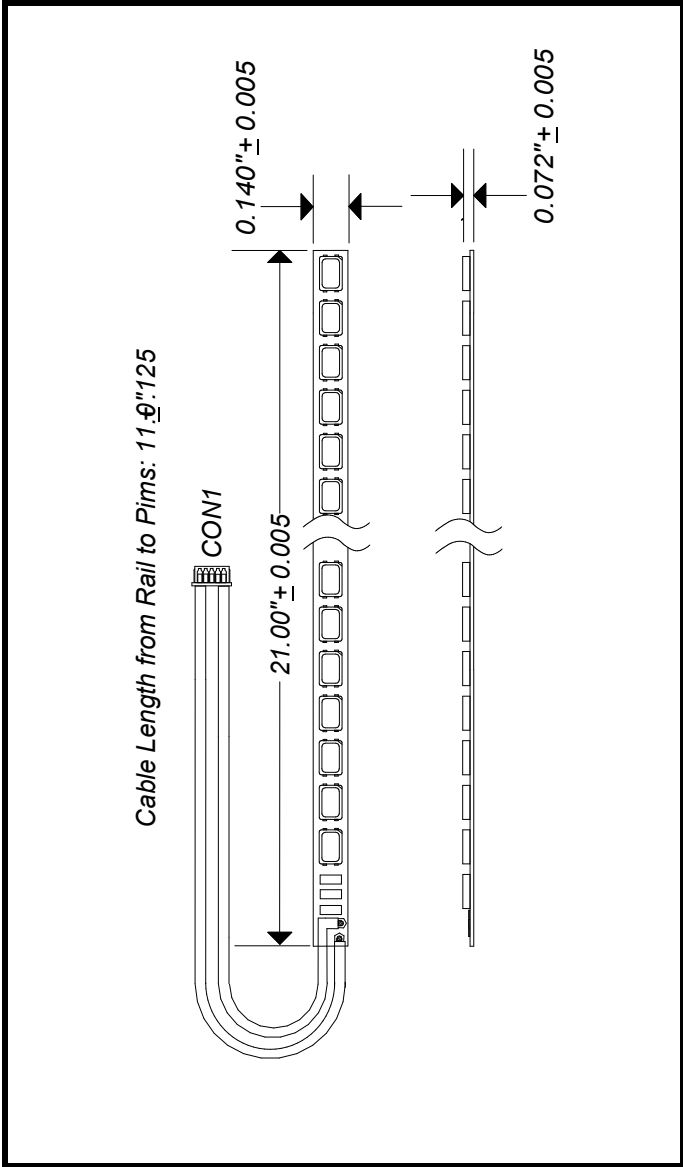
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 21.000 IN x 0.140 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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PRELIMINARY DATA SHEET – PAGE 2 OF 2

**MAXIMUM RATINGS**

03/12/13

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

**LED OPTICAL CHARACTERISTICS**

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 93mA	14.1	-	18.1	cd
X	White X coordinate			0.243		-
Y	White Y coordinate			0.220		-

**LED RAIL ELECTRICAL CHARACTERISTICS**

Ifwd = 110.0mA (3 Banks per Rail, 2 Rails per Display), Tled = +75Deg-C (LED's without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		75	83	91	Vdc

**TYPICAL LED RAIL PERFORMANCE GRAPHS**

