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ACR-0834-2166

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15.750" QUAD BANK LED RAIL

(Quad Bank, 83V @ 82.5mA)

06/10/2013

GENERAL DESCRIPTION

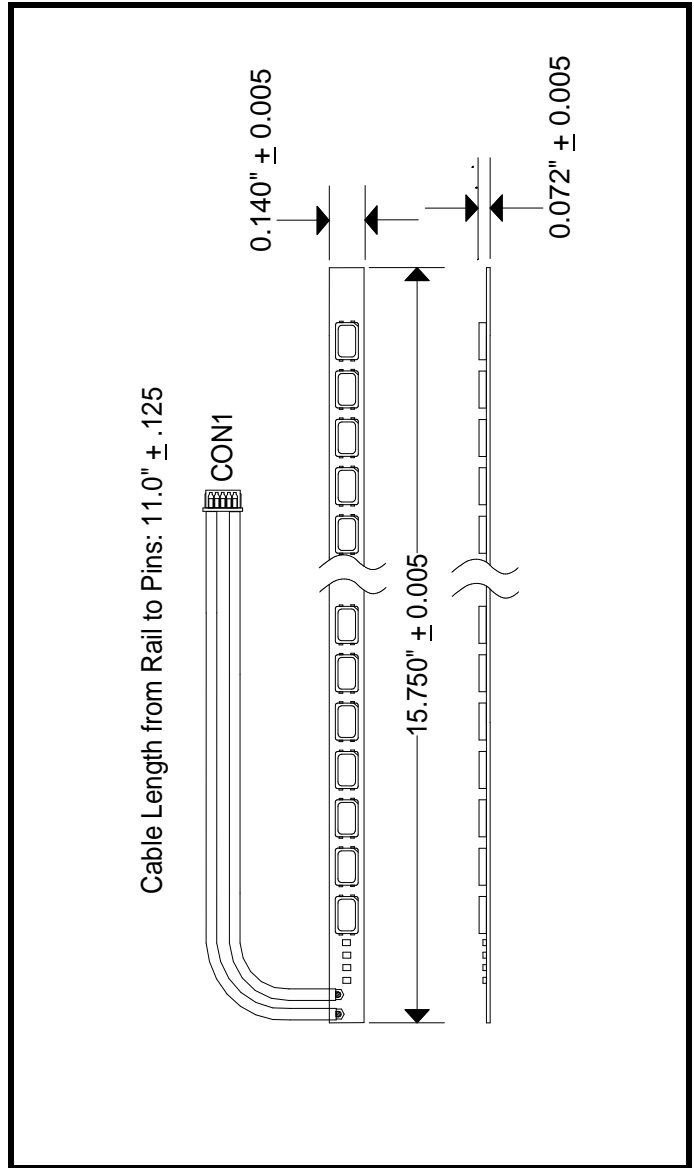
The ACR-0834-2166 is designed as a replacement for single edge lit 17.3" displays.

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 = 7 grams
Altitude = 35,000 Ft maximum
Humidity < 95% non-condensing
Size (L x W x H) = 15.750 IN x 0.140 IN x .072 IN
PCB thickness = 0.032 IN
RoHS compliant



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MAXIMUM RATINGS

06/10/2013

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	99	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 = 82.5mA (4 Banks per Rail, 1 Rail 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		74	83	92	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

