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ACR-0862-3117

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10.04" DUAL BANK LED RAIL

(Dual Bank, 86V @ 70mA)

03/16/2021

GENERAL DESCRIPTION

The ACR-0862-3117 is designed as a replacement for field replaceable, single rail, single edge lit 12.1" 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 = 5 grams

Altitude = 35,000 Ft maximum

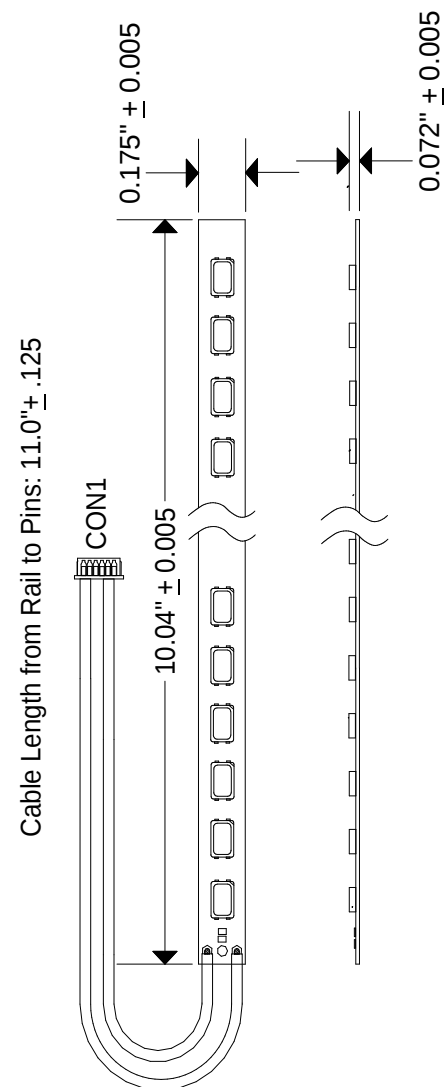
Humidity < 95% non-condensing

Size (L x W x H) = 10.04 IN x 0.175 IN x .072 IN

PCB thickness = 0.032 IN

Input connector = CON1

RoHS compliant



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MAXIMUM RATINGS

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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)	84	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	11	18.1	cd
X	White X coordinate			0.270		
Y	White Y coordinate			0.240		

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 70mA per bank, 2 banks per rail, 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		78	86	94	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

