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ACR-0932-2877

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10.14" DUAL BANK LED RAIL

(Dual Bank, 93V @ 52.5mA)

12/19/17

GENERAL DESCRIPTION

The ACR-0932-2877 is designed as a replacement for field replaceable edge lit 12.1" 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 = 8 grams

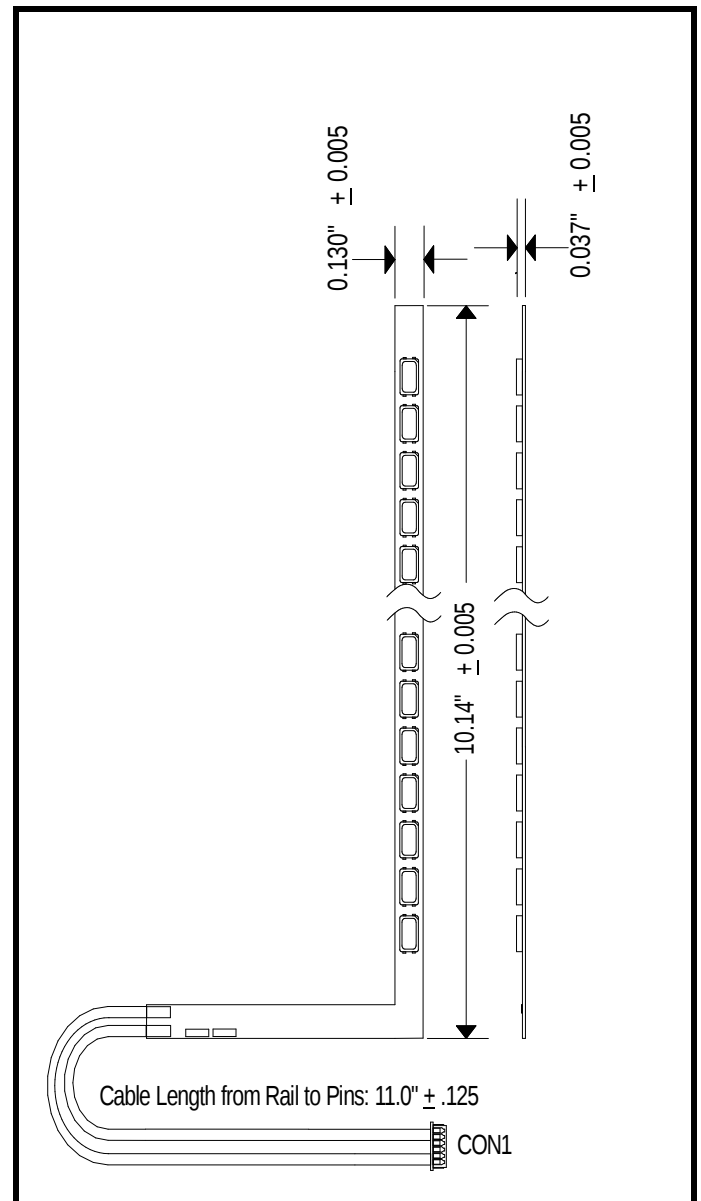
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 10.14 IN x 0.130 IN x 0.037 IN

PCB thickness = 0.009 IN

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	LED forward current	63	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 150mA	87	93		lm
X	White X coordinate			0.260		-
Y	White Y coordinate			0.270		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 52.5mA (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		84	93	102	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

