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ACR-0971-2342

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8.50" SINGLE BANK LED RAIL

(Single Bank, 97 V @ 80 mA)

2/11/2014

GENERAL DESCRIPTION

The ACR-0971-2342 is designed as a replacement for single edge lit 10.4" 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

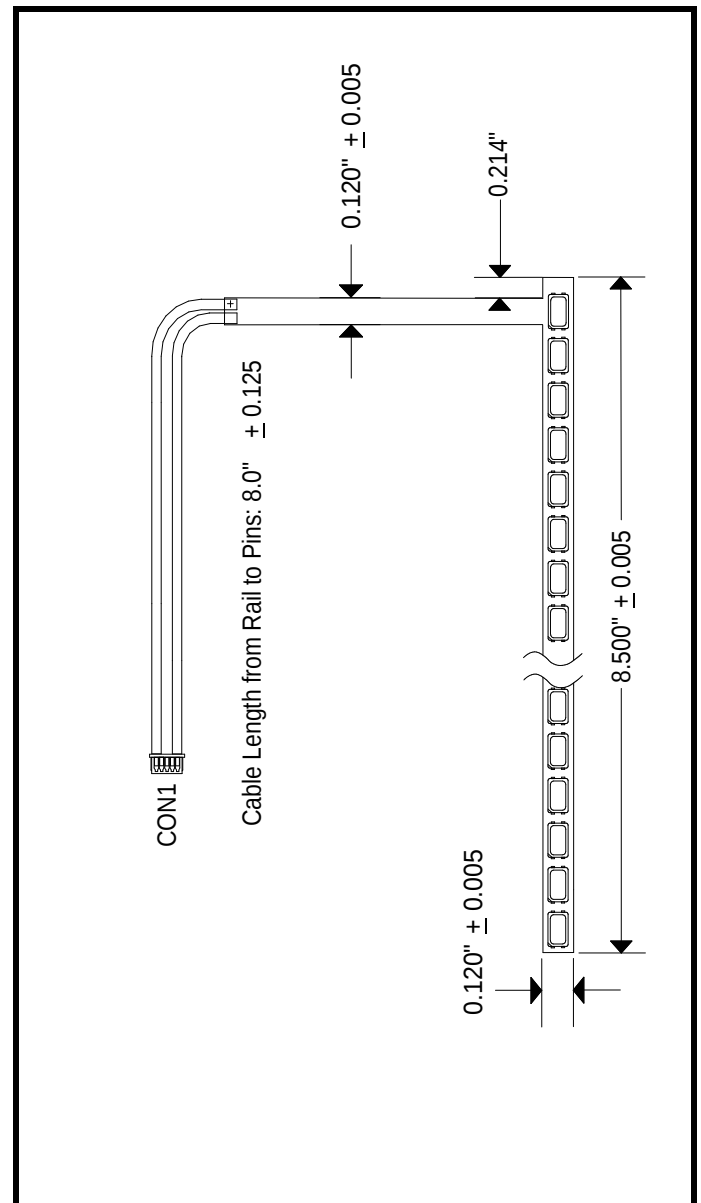
Altitude = 35,000 ft

Humidity < 95% non-condensing

Size (L x W x H) = 8.50 IN x 0.120 IN x .047 IN

Flex Rail thickness = .009 IN

RoHS compliant



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MAXIMUM RATINGS

2/11/2014

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	88	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 = 80mA (1 Bank 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		87	97	107	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

