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ACR-0971-2374

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8.560" SINGLE BANK LED RAIL

(Single Bank, 97V @ 120mA)

04/04/16

GENERAL DESCRIPTION

The ACR-0971-2374 is designed as a replacement for field replaceable, single rail, single edge lit 10.4" 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 = 2 grams

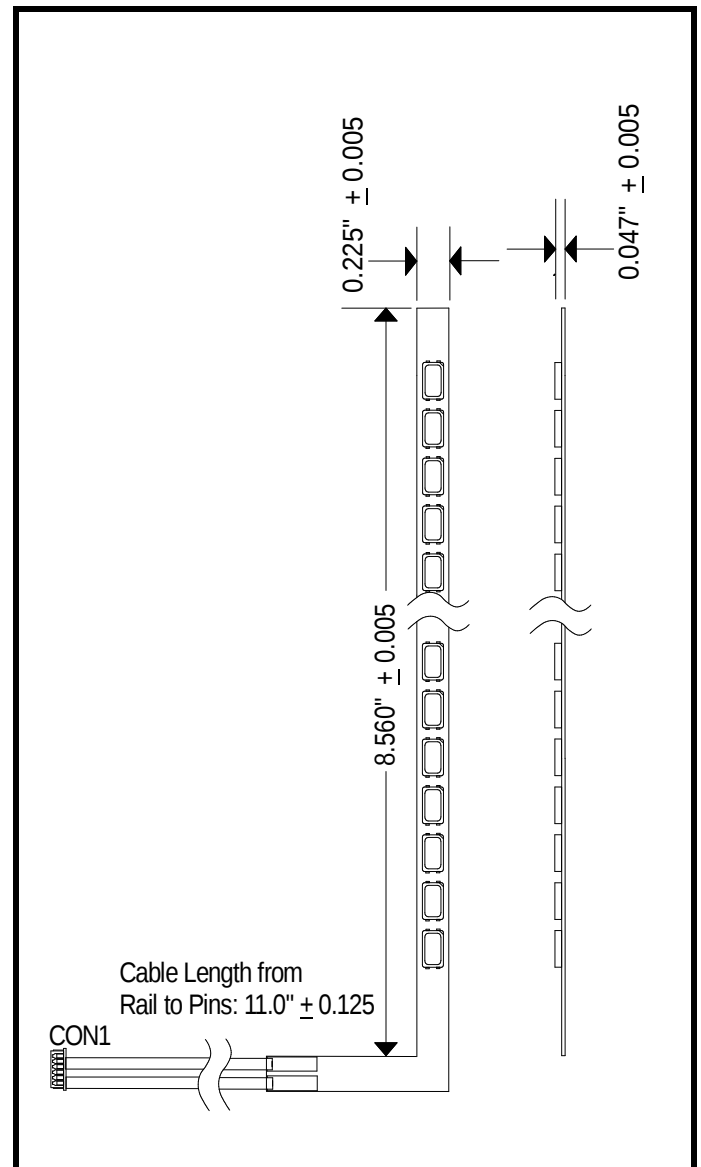
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 8.560 IN x 0.225 IN x .047 IN

PCB thickness = 0.007 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	144	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 110mA	9	11	13	cd
X	White X coordinate			0.299		-
Y	White Y coordinate			0.289		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 120mA (1 Bank per Rail, 1 Rail per Display), Tled = +75Deg-C (LED's 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

