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ACR-0782-2282

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13.800" DUAL BANK LED RAIL

(Dual Bank, 78V @ 92.5mA)

03/27/13

GENERAL DESCRIPTION

The ACR-0782-2282 is designed as a replacement for single edge lit 17.0" 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

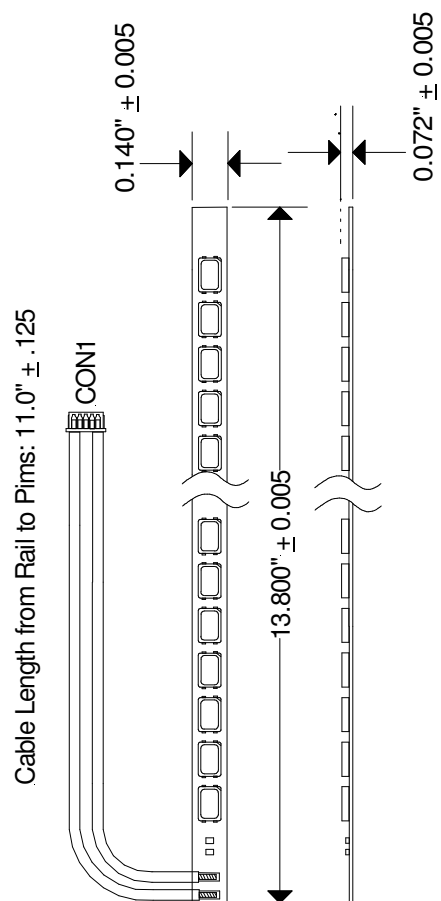
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 13.800 IN x 0.140 IN x 0.072 IN

PCB thickness = 0.032 IN

RoHS compliant



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MAXIMUM RATINGS

03/27/13

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	111	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	9.0	11	13	cd
X	White X coordinate			0.301		-
Y	White Y coordinate			0.220		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 92.5mA (2 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		70	78	96	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

