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ACR-1063-2001

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12.53" TRI BANK LED RAIL

(Tri Bank, 106V @ 42mA)

09/08/11

GENERAL DESCRIPTION

The ACR-1063-2001 is designed as a replacement for single edge lit 15.0" 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

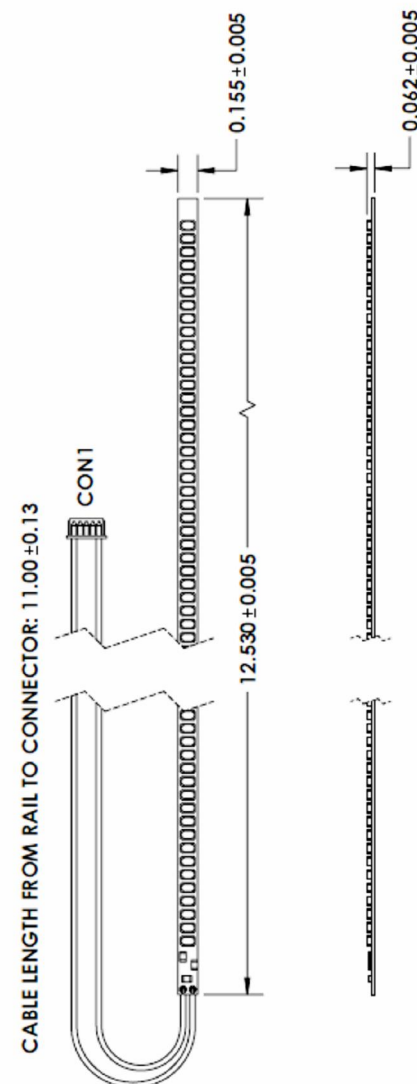
Humidity < 95% non-condensing

Size (L x W x H) = 12.530 IN x 0.155 IN x .062 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)	-40 to +100	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	Maximum LED edge-light forward current (DC)	50	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 150mA	42.8	-	51.0	Lm
X	White X coordinate			0.31		-
Y	White Y coordinate			0.32		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 42mA, 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		95	106	117	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

