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ACR-0972-1892

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13.9" DUAL BANK LED RAIL

(Dual Bank, 97V @ 87.5mA)

3/24/10

GENERAL DESCRIPTION

The ACR-0972-1892 is designed as a replacement for field replaceable, dual tube, dual edge lit 17.0" CCFL displays. Requires 2 per display.

The rail requires the use of a constant current source to properly drive the LEDs.

MECHANICAL / ENVIRONMENTAL

Weight = 6.5 grams

Altitude = 35,000 Ft maximum

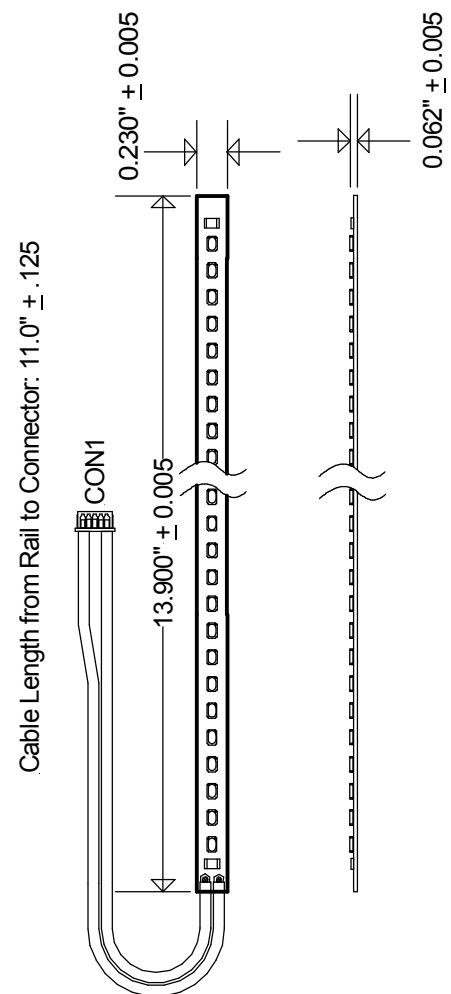
Humidity < 95% non-condensing

Size (L x W x H) = 13.9 IN x 0.23 IN x .067 IN

PCB thickness = 0.032 IN

Input connector = CON1

RoHS compliant



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MAXIMUM RATINGS*

3/24/10

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	125	mADC

* Maximum Ratings are those values beyond which damage may occur.

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 150mA	33	37	41	Lm
X	White X coordinate			0.31		-
Y	White Y coordinate			0.32		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 87.5mA (2 Banks per Rail), Tled = +75Deg-C (LEDs 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

