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ACR-0924-1920

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Dual Rail Set (2) 12.65" DUAL BANK LED RAILS (92V @ 62.5mA per Bank)

3/24/10

GENERAL DESCRIPTION

The ACR-0924-1920 is designed as a replacement for two field-replaceable single tubes used in a dual edge lit 15.0" CCFL display.

One Dual Rail Set required per display.

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

MECHANICAL / ENVIRONMENTAL

Weight = 10 grams

Altitude = 35,000 Ft maximum

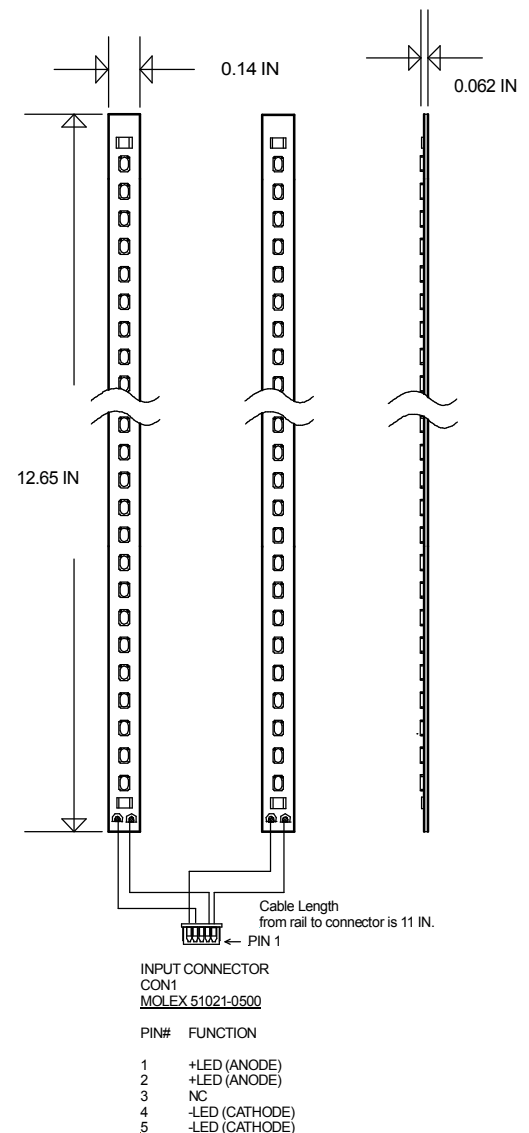
Humidity < 95% non-condensing

Size (L x W x H) = 12.65 IN x 0.14 IN x .062 IN (per rail)

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 = 62.5mA (2 Banks per Rail, 2 Rails per Dual Rail Set), Tled = +75Deg-C (LEDs without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		83	92	101	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPH

