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ACR-1201-1839

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7.7" LED RAIL SET

(Dual Rail, 120V @ 88mA)

10/14/09

GENERAL DESCRIPTION

The ACR-1201-1839 LED rail set is designed as a replacement for field replaceable, dual tube, dual edge lit 8.4" CCFL displays.

The rail set requires the use of a constant current source to properly drive the LED's.

The LED rail set is compatible with any of ACI's I-Drive series of LED Drivers.

MECHANICAL / ENVIRONMENTAL

Weight = 5.2 grams (1 rail)

Altitude = 35,000 Ft maximum

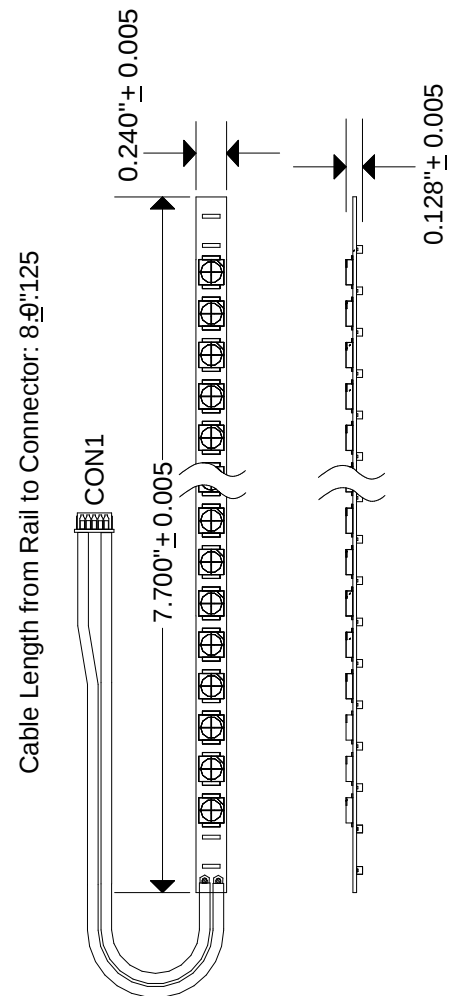
Humidity < 95% non-condensing

Size (L x W x H) = 7.700 IN x 0.240 IN x 0.128 IN

PCB thickness = 0.032 IN

Input connector = CON1

RoHS compliant



NOTE: Only 1 rail shown for dimensional purposes. See page 3 for connection relationship of both rails.

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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	Maximum LED edge-light forward current (DC)	125	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

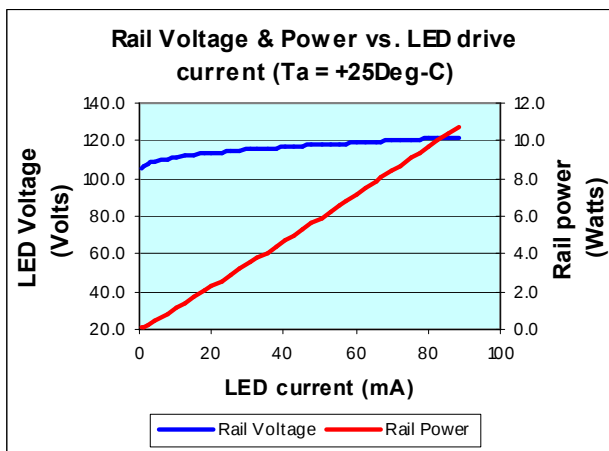
Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 300 mA	72.0	78.8	85.6	Lm
X	White X coordinate			0.319		-
Y	White Y coordinate			0.317		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 88, 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	Both rails in series	108	120	132	Vdc

TYPICAL DUAL LED RAIL PERFORMANCE GRAPHS



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RAIL-SET CONNECTION RELATIONSHIP

