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ACR-0853-2583

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13.900" TRI BANK LED RAIL

(Tri Bank, 85V @ 46.7mA)

10/28/14

GENERAL DESCRIPTION

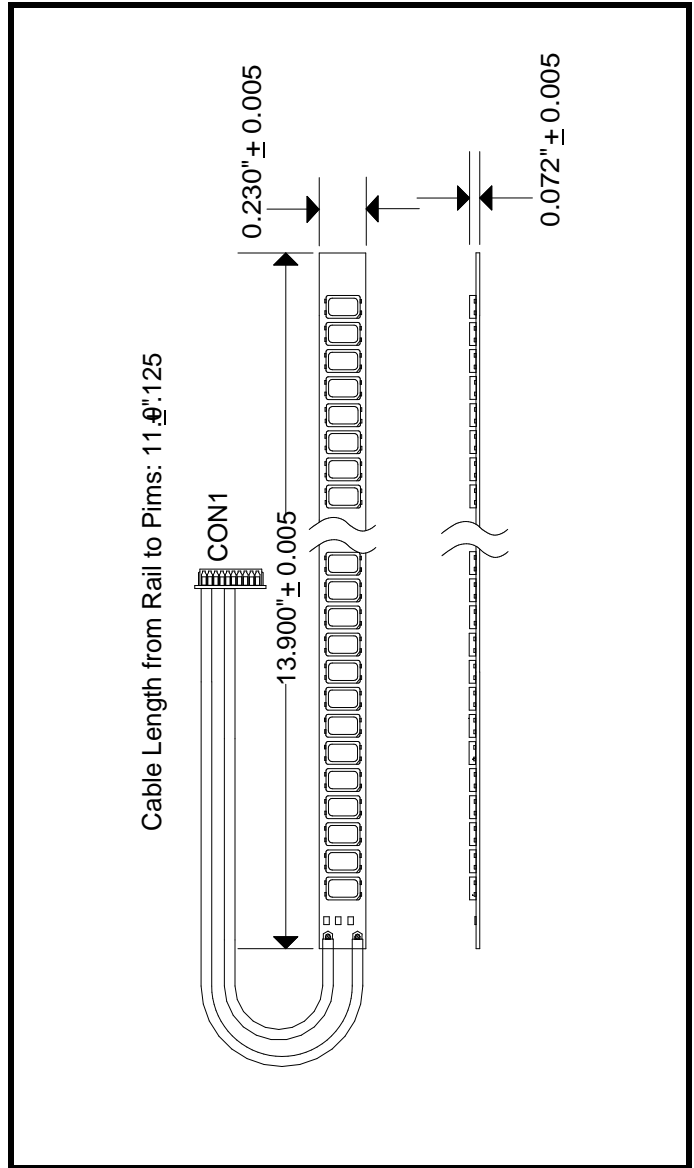
The ACR-0853-2583 is designed as a replacement for field replaceable, dual tube, dual edge lit 17.0" CCFL displays.

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 = 11 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 13.900 IN x 0.230 IN x .072 IN
- PCB thickness = 0.032 IN
- 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	LED forward current	56.0	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
v	Luminance Intensity	Ifwd = 110mA	26.3	-	28.9	lm
Cx	White X coordinate			0.290		-
Cy	White Y coordinate			0.268		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 46.7mA (3 Banks per Rail, 2 Rails 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		76	85	94	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

