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ACR-0803-2050

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12.600" TRI BANK LED RAIL

(Tri Bank, 80V @ 55.0mA)

09/14/2020

GENERAL DESCRIPTION

The ACR-0803-2050 is designed as a replacement for field replaceable, dual tube, dual edge lit 15.0" 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 = 10 grams

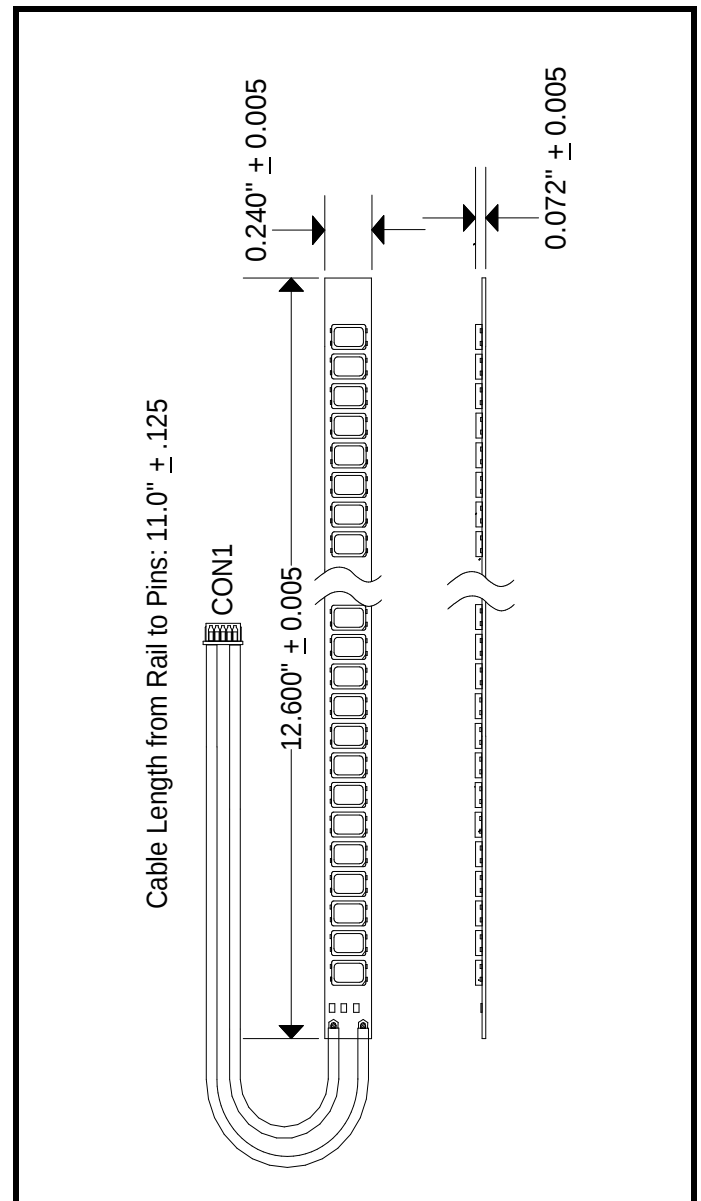
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 12.600 IN x 0.240 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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MAXIMUM RATINGS

09/14/2020

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	61.0	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
$\bar{u}_v$	Luminance Intensity	Ifwd = 110mA	23.7	-	34.2	lm
Cx	White X coordinate			0.300		-
Cy	White Y coordinate			0.295		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 55.0mA (3 Banks per Rail), 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		72	80	88	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

