Applied Concepts
INNOVATION IN POWER CONVERSION TECHNOLOGY

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Tully, New York 13159-1175
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ACR-0706-2486

21.00" HEX BANK LED RAIL

(Six Bank, 70V @ 110mA)

05/08/14

GENERAL DESCRIPTION

The ACR-0706-2486 is designed as a replacement for single rail, single edge lit 24.0" LED 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 = 9 grams

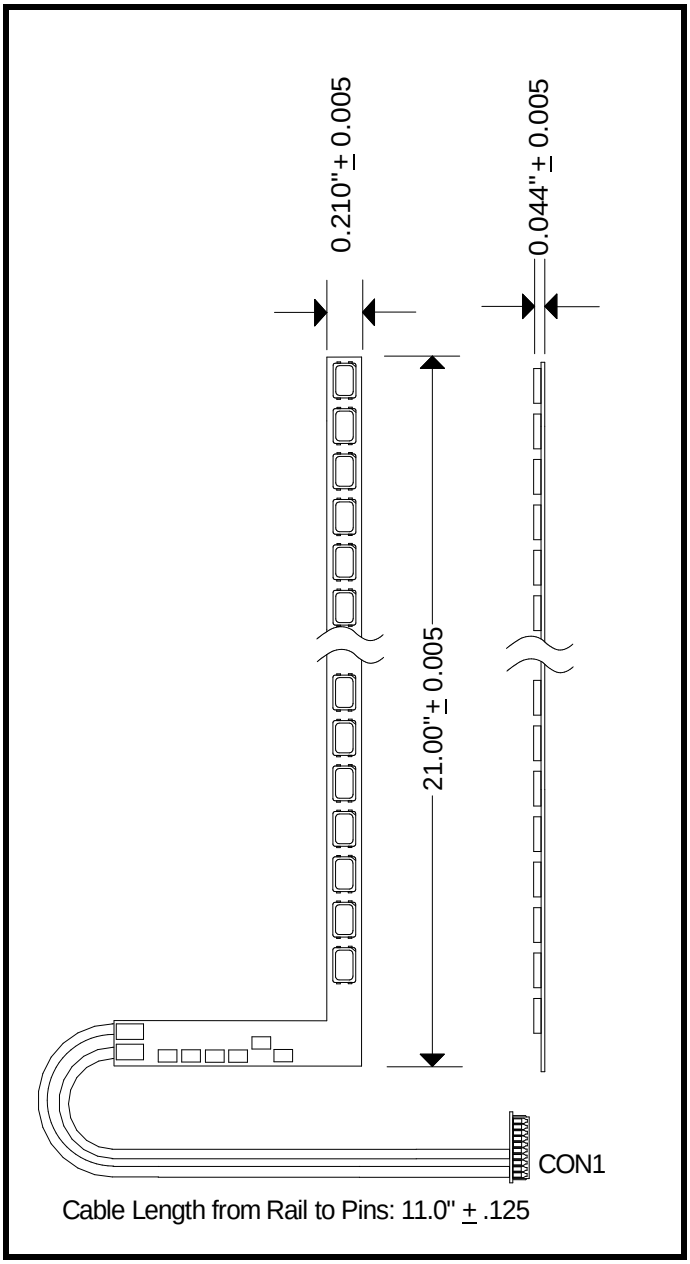
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 21.000 IN x 0.210 IN x .044 IN

Flex thickness = 0.007 IN

RoHS compliant



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MAXIMUM RATINGS

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	120	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 93mA	19.9	-	21.1	cd
X	White X coordinate			0.260		-
Y	White Y coordinate			0.270		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 110mA (6 Banks per Rail, 1 Rail per Display), Tled = +75Deg-C (LED's with heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		63	70	77	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS