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ACR-2846

PRODUCT DATA SHEET

9.00" LED RAIL

(Day LEDs: Single Bank, 98V @ 77.5mA)

06/27/17

GENERAL DESCRIPTION

The ACR-2846 is designed as a replacement for LED displays.

The rail uses high performance LEDs

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 = 3 grams

Altitude = 35,000 Ft maximum

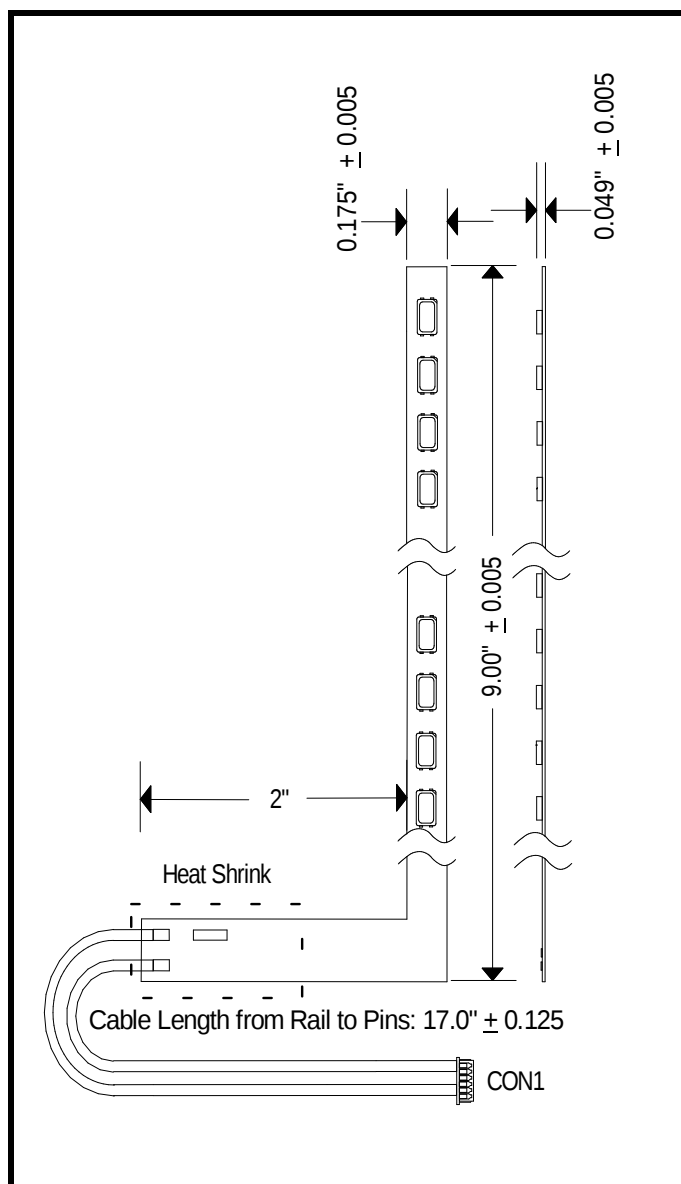
Humidity < 95% non-condensing

Size (L x W x H) = 9.00 IN x 0.175 IN x .049 IN

Flex Foil thickness = 0.009 IN

Input connector = CON1

RoHS compliant



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MAXIMUM RATINGS

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 forward current (DC)	93	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 93mA	22.3		24.7	cd
X	White X coordinate			0.280		
Y	White Y coordinate			0.295		

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 77.5mA (1 bank per rail), 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		88	98	108	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

