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ACR-2845

PRODUCT DATA SHEET

5.91" NVIS LED RAIL

(NVIS LEDs: Single Bank, 69V @ 12mA)

06/27/17

GENERAL DESCRIPTION

The ACR-2845 is designed as an NVIS Light Source replacement for LCD displays.

The rail uses high performance NVIS LEDs capable of NVIS White operations.

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 that feature Dual Mode NVIS Drive Capability.

MECHANICAL / ENVIRONMENTAL

Weight = 3 grams

Altitude = 35,000 Ft maximum

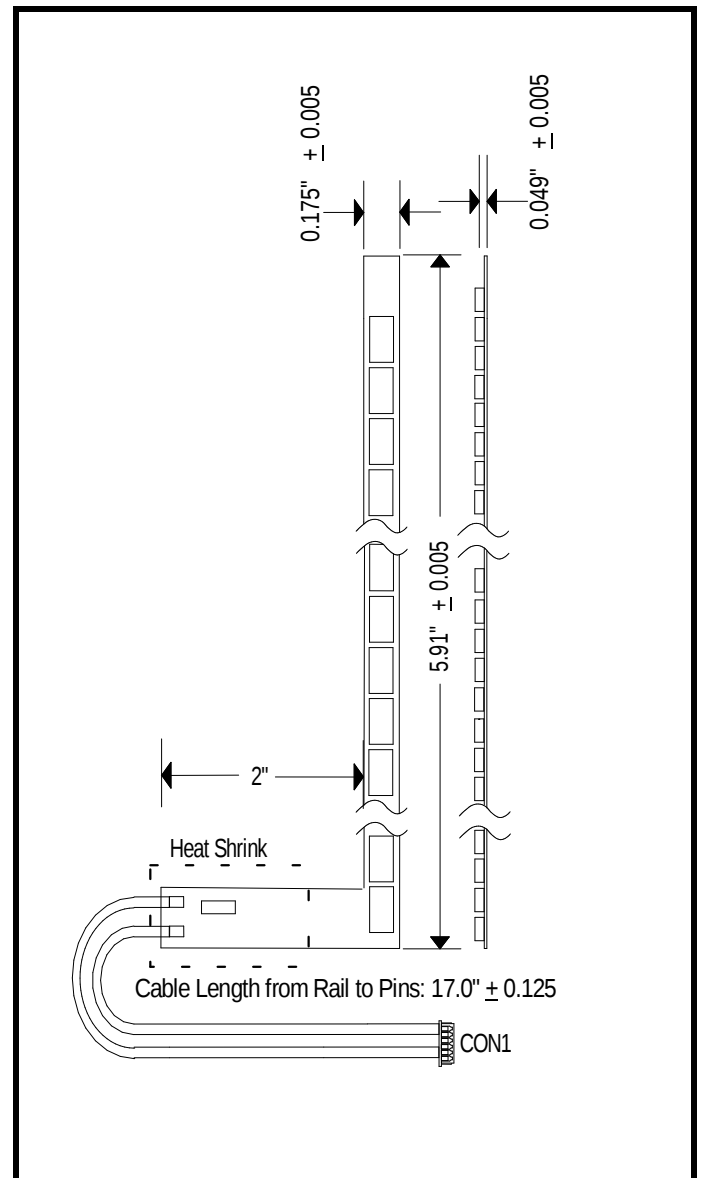
Humidity < 95% non-condensing

Size (L x W x H) = 5.91 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)	-40 to +85	Deg-C
Tstg	LED Rail storage temperature	-40 to +85	Deg-C
Ifwd	Maximum LED forward current (DC)	14.4	mA

NVIS LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 20mA			30	mcd
X	White X coordinate			0.300		
Y	White Y coordinate			0.350		

NVIS LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 12.0mA (1 bank 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		62	69	76	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

