



397 Route 281
Tully, New York 13159-1175
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com

ACR-0683-2510

PRODUCT DATA SHEET – PAGE 1 OF 2

10.78" TRI-BANK LED RAIL

(Tri-Bank, 68V @ 93.3mA)

09/12/2014

GENERAL DESCRIPTION

The ACR-0683-2510 is designed as a replacement single edge lit 12.1" 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 = 8 grams

Altitude = 35,000 Ft maximum

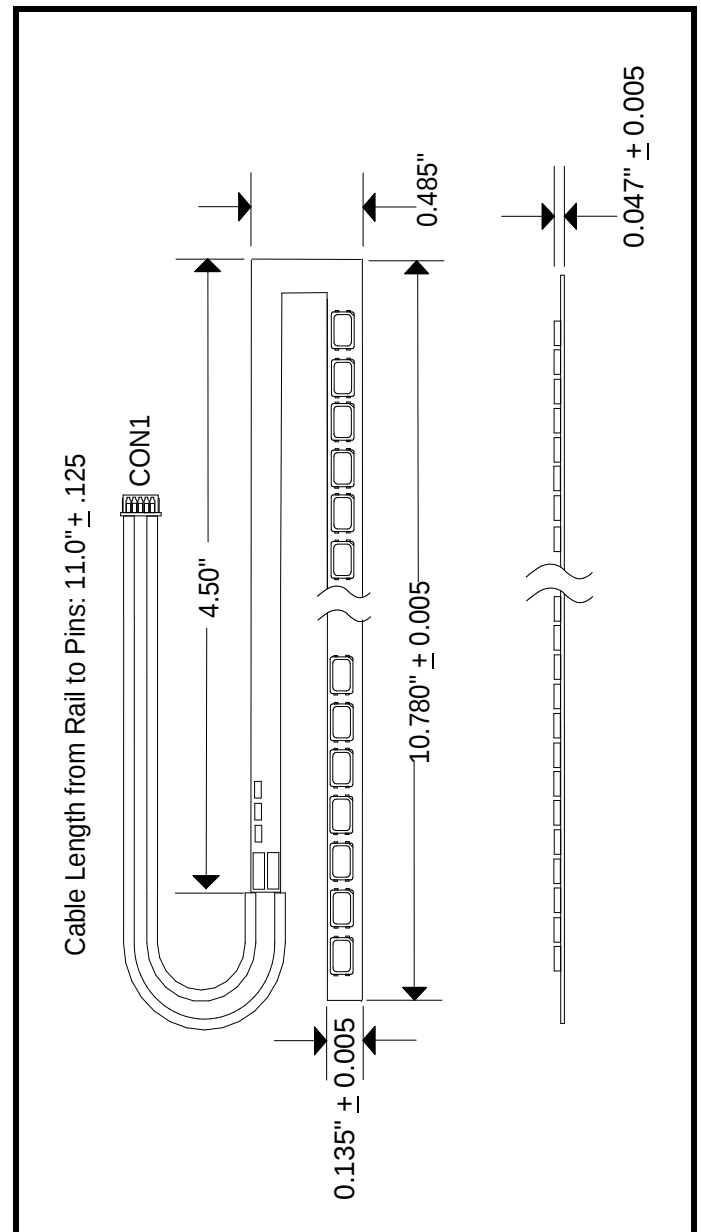
Humidity < 95% non-condensing

Size (L x W x H) = 10.780 IN x 0.135 IN x .047 IN

Flex Foil Thickness = 0.007 IN

Input connector = CON1

RoHS compliant



397 Route 281
Tully, New York 13159-1175
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com

PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

09/12/2014

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)	112	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 93mA		21.4		cd
X	White X coordinate			0.270		
Y	White Y coordinate			0.260		

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 93.3mA (3 bank per rail), Tled = +75Deg-C (LED's heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		61	68	75	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

