

397 Route 281

Tully, New York 13159 Phone: 315 696-6676 Fax: 315 696 9923

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15.750" QUAD BANK LED RAIL

(Quad Bank, 83V @ 82.5mA)

GENERAL DESCRIPTION

The ACR-0834-2166 is designed as a replacement for single edge lit 17.3" 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 = 7 grams

Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size $(L \times W \times H) = 15.750 \text{ IN } \times 0.140 \text{ IN } \times .072 \text{ IN}$

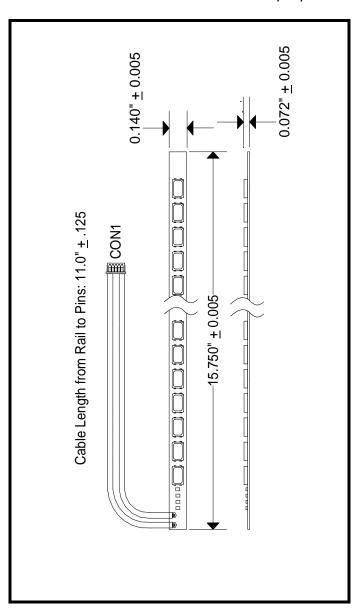
PCB thickness = 0.032 IN

RoHS compliant

ACR-0834-2166

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MAXIMUM RATINGS

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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	99	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 93mA	14.1	-	18.1	cd
Χ	White X coordinate			0.243		-
Υ	White Y coordinate			0.220		ı

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 82.5mA (4 Banks per Rail, 1 Rail per Display), Tled = +75Deg-C (LED's without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
Vfwd	LED rail forward voltage drop		74	83	92	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

