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ACR-2337

PRODUCT DATA SHEET – PAGE 1 OF 2

9.56" QUAD BANK LED RAIL

(QUAD Bank, 26 V @ 110 mA)

4/10/2015

GENERAL DESCRIPTION

The ACR-2337 is designed as a replacement for single edge lit 10.4" 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.

LED includes built in Zener Diode which protects against a single LED failing the entire bank.

Rail Includes TEFLON Output cable.

MECHANICAL / ENVIRONMENTAL

Weight = 3 grams

Altitude = Tested to 55,000 Ft for 10 minutes

Humidity < 95% non-condensing

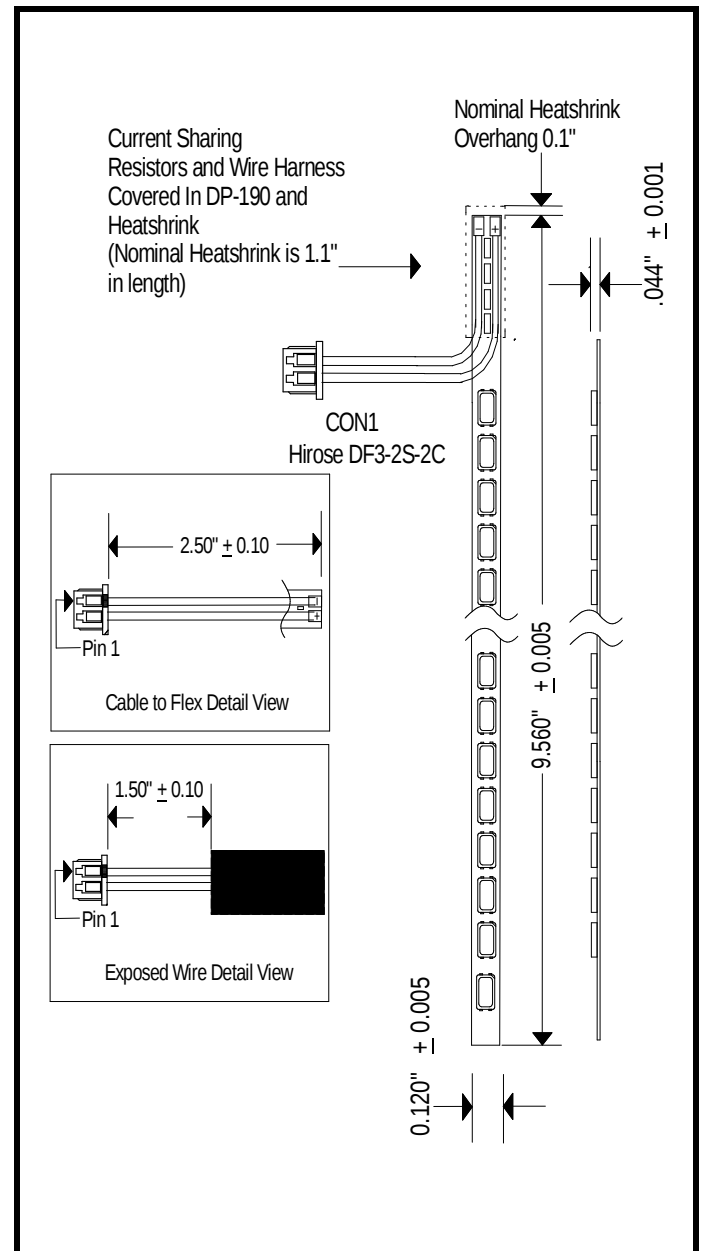
Size (L x W x H) = 9.56 IN x 0.120 IN x .044 IN

Flex Rail Thickness = .006 IN

RoHS compliant

Sarcon used for Heat Transfer

Current Sharing Resistors are used to insure the current is shared equally among the LED banks, allowing for no uniformity loss as the panel ages.



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PRODUCT DATA SHEET – PAGE 2 OF 2

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	132	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	14.1	-	18.1	cd
X	White X coordinate			0.243		-
Y	White Y coordinate			0.220		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 110 mA (4 Banks per Rail, 1 Rail per Display), 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		24	26	28	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

