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ACR-2775

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9.450" 12V LED RAIL

(12V @ 27.7mA)

09/20/17

GENERAL DESCRIPTION

The ACR-2775 is designed as a replacement for field replaceable, dual rail, dual edge lit 10.4" LED displays.

The rail requires the use of a constant voltage source to properly drive the LED's.

Rail installed in custom rail carrier.

MECHANICAL / ENVIRONMENTAL

Weight = 2 grams

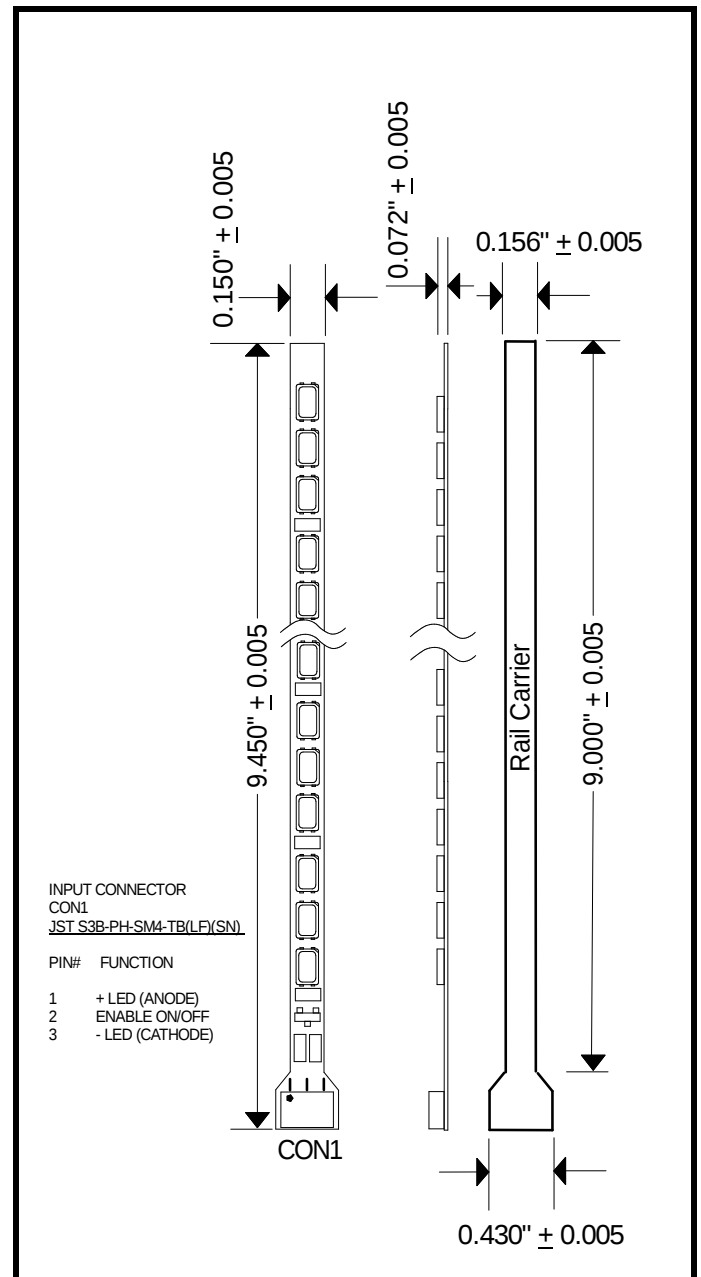
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 9.450 IN x 0.150 IN x .072 IN

PCB thickness = 0.034 IN

Rail Carrier (L x W x H) = 9.00 IN x 0.156 IN x 0.213 IN



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MAXIMUM RATINGS

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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
VRail	LED Rail Voltage	13.2	Vdc
Enable	Voltage applied to the Enable Pin	-0.7 to 13.2	Vdc

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 110mA	9	11	13	cd
X	White X coordinate			0.299		-
Y	White Y coordinate			0.289		-

LED RAIL ELECTRICAL CHARACTERISTICS

VRail = 12V, Enable = 5V, Tled = +75Deg-C (LED's heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
IRail	LED rail forward current		225	250	275	mA
ENoff	Enable Control, Unit Off				1.25	Vdc
ENon	Enable Control, Unit On		3.50			Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

