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ACR-2993

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19.1" EIGHT BANK LED RAIL

(4 main banks, 2 sub banks per main bank,
42V @ 60mA)

6/20/19

GENERAL DESCRIPTION

The ACR-2993 is designed as a replacement for the LG LM215WF3-SLC1 5E1

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

The LED rail is compatible with the ACI-2187A LED Driver

MECHANICAL / ENVIRONMENTAL

Weight = 3.5 grams

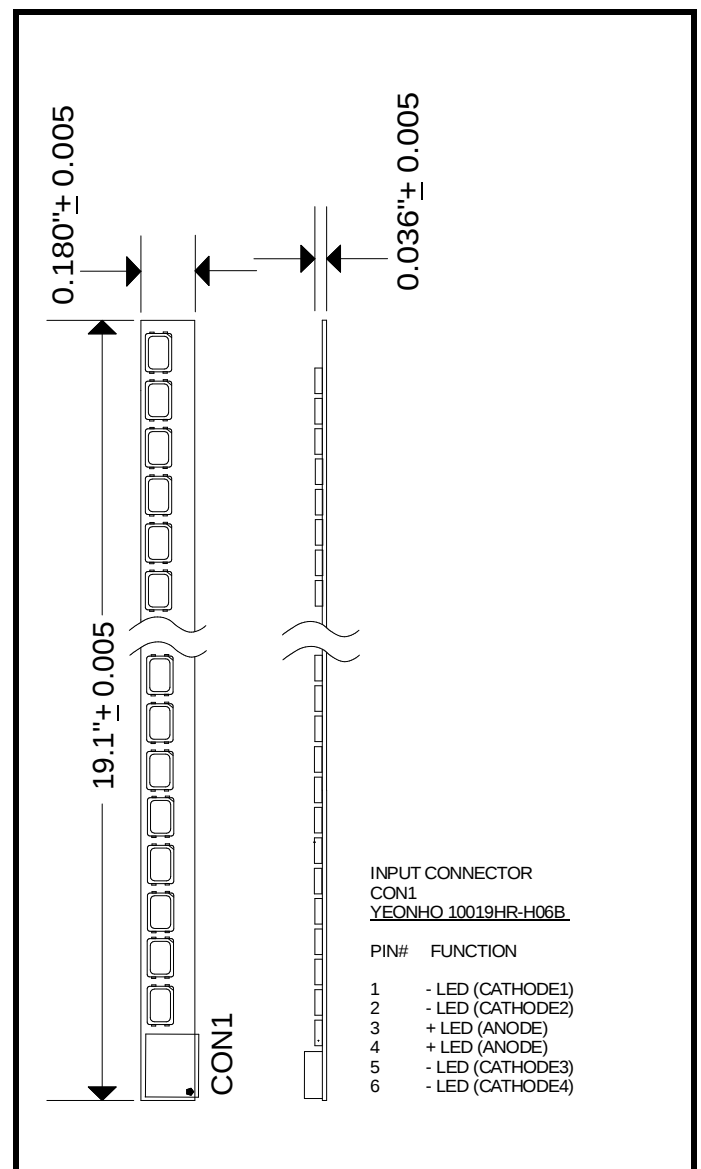
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 19.100 IN x 0.180 IN x .036 IN

Flex Board Thickness = 0.005 IN

RoHS compliant



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MAXIMUM RATINGS

6/20/19

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 edge-light forward current (DC)	66	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 150mA	87	93		cd
Cx	White X coordinate			0.260		-
Cy	White Y coordinate			0.270		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 120mA per bank, 4 main banks per rail (2 sub banks per main bank) 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		38	42	46	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

