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# ACR-2620

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## 9.103" SINGLE BANK LED RAIL

Single Bank, 88V @ 100mA

1/21/15

### GENERAL DESCRIPTION

The ACR-2620 is designed as a replacement for field replaceable, single edge lit 8.4" 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 = 3 grams

Altitude = 35,000 Ft maximum

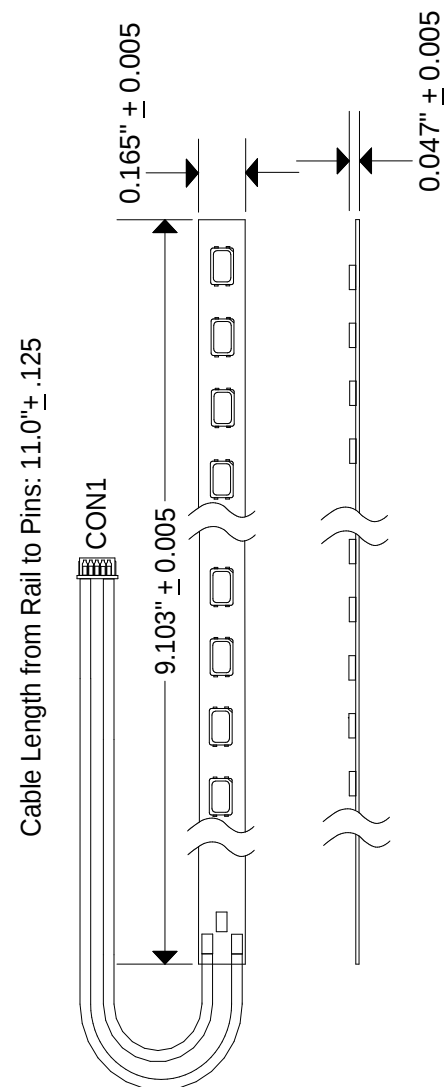
Humidity < 95% non-condensing

Size (L x W x H) = 9.103 IN x 0.165 IN x .047 IN

Flex Foil thickness = 0.007 IN

Input connector = CON1

RoHS compliant



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## DAY MODE

### MAXIMUM RATINGS

1/21/15

| 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)                             | 120         | mA    |

## LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

| Symbol | Parameter          | Test Conditions | Min  | Typ   | Max  | Unit |
|--------|--------------------|-----------------|------|-------|------|------|
| BL     | LED Brightness     | Ifwd = 93mA     | 19.9 |       | 21.1 | cd   |
| X      | White X coordinate |                 |      | 0.270 |      |      |
| Y      | White Y coordinate |                 |      | 0.245 |      |      |

## LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 100mA (1 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 |                 | 79  | 88  | 97  | Vdc  |

## TYPICAL LED RAIL PERFORMANCE GRAPHS

