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# ACR-0932-2407

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## 10.04" DUAL BANK LED RAIL

(Dual Bank, 93V @ 110mA)

11/07/13

### GENERAL DESCRIPTION

The ACR-0932-2407 is designed as a replacement for field replaceable, single rail, single edge lit 12.1" 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 = 5 grams

Altitude = 35,000 Ft maximum

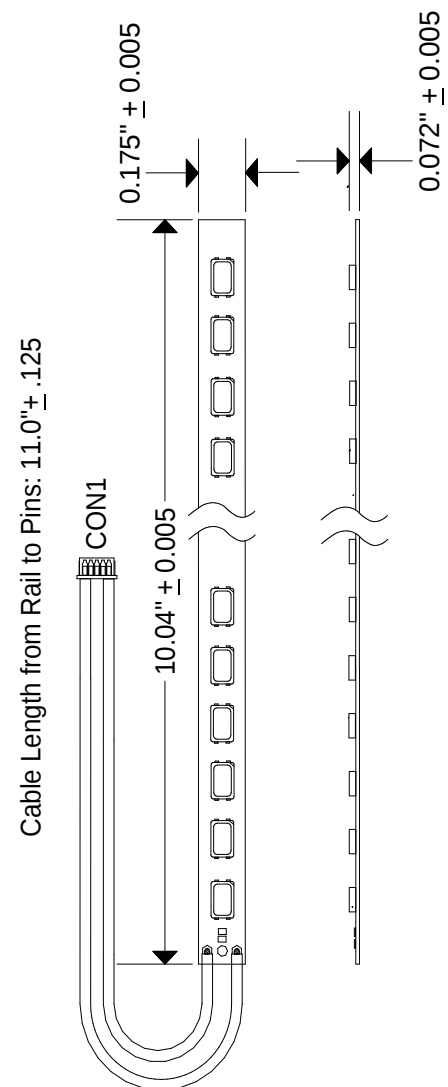
Humidity < 95% non-condensing

Size (L x W x H) = 10.04 IN x 0.175 IN x .072 IN

PCB thickness = 0.032 IN

Input connector = CON1

RoHS compliant



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## MAXIMUM RATINGS

11/07/13

| 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     | 14.1 | 11    | 18.1 | cd   |
| X      | White X coordinate |                 |      | 0.270 |      |      |
| Y      | White Y coordinate |                 |      | 0.240 |      |      |

## LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 110mA (2 bank per rail), 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 |                 | 84  | 93  | 102 | Vdc  |

## TYPICAL LED RAIL PERFORMANCE GRAPHS

