

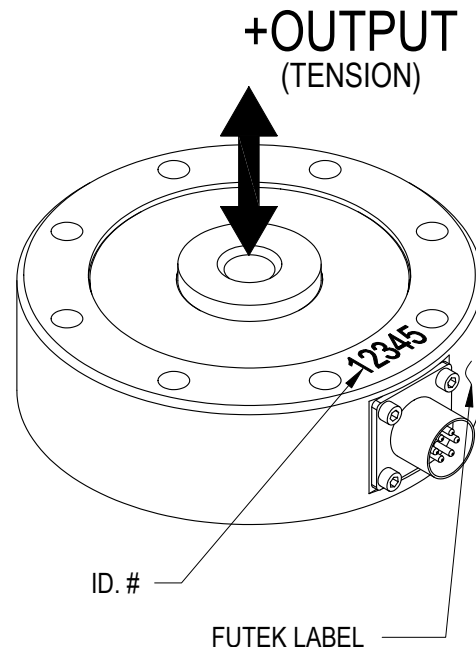
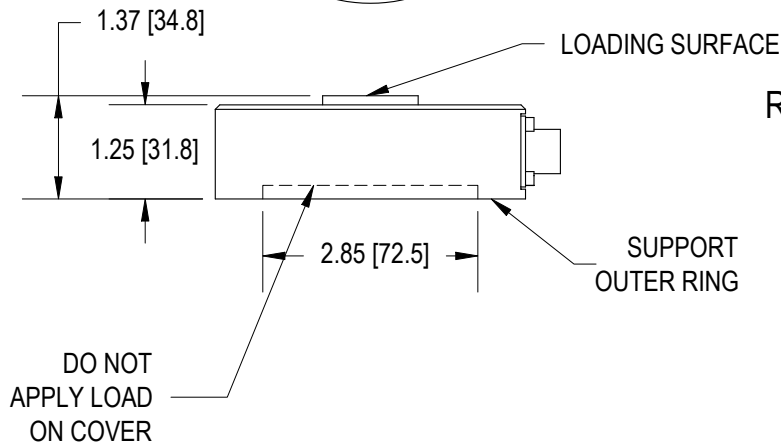
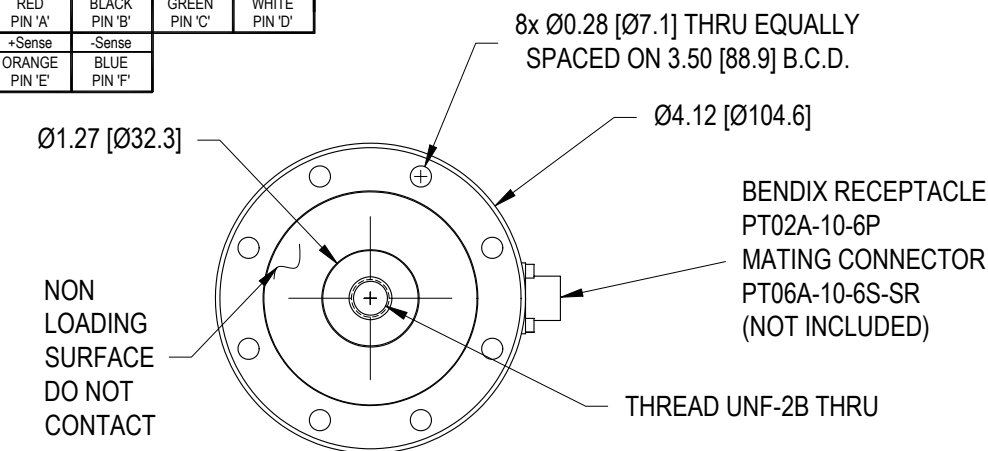
# LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

MODEL LCF450 (L2900)

**Drawing Number: FI1011**

**INCH [mm] R.O.= Rated Output**

| WIRING CODE (CC1) |                  |                  |                  |
|-------------------|------------------|------------------|------------------|
| +Excitation       | -Excitation      | +Signal          | -Signal          |
| RED<br>PIN 'A'    | BLACK<br>PIN 'B' | GREEN<br>PIN 'C' | WHITE<br>PIN 'D' |
| +Sense            | -Sense           |                  |                  |
| ORANGE<br>PIN 'E' | BLUE<br>PIN 'F'  |                  |                  |



REFER TO LCF455 FOR TENSION BASE VERSION

| Stock #  | CAPACITY |       | THREAD  | MATERIAL           |
|----------|----------|-------|---------|--------------------|
|          | lb       | N     |         |                    |
| FSH00953 | 300      | 1334  | 5/8-18  | 17-4PH ALLOY STEEL |
| FSH02050 |          |       | M16 X 2 |                    |
| FSH00128 | 500      | 2224  | 5/8-18  | ANODIZED ALUMINUM  |
| FSH00132 |          |       | M16 X 2 |                    |
| FSH00129 | 1000     | 4448  | 5/8-18  |                    |
| FSH00133 |          |       | M16 X 2 |                    |
| FSH00130 | 2000     | 8896  | 5/8-18  | 17-4PH ALLOY STEEL |
| FSH00134 |          |       | M16 X 2 |                    |
| FSH00137 | 5000     | 22240 | 5/8-18  | 17-4PH ALLOY STEEL |
| FSH00141 |          |       | M16 X 2 |                    |
| FSH00138 | 10000    | 44480 | 5/8-18  | 17-4PH ALLOY STEEL |
| FSH00142 |          |       | M16 X 2 |                    |

## SPECIFICATIONS:

**RATED OUTPUT**  
**SAFE OVERLOAD**  
**ZERO BALANCE**  
**EXCITATION (VDC OR VAC)**  
**BRIDGE RESISTANCE**  
**NONLINEARITY**  
**HYSTERESIS**  
**NONREPEATABILITY**  
**CREEP**  
**TEMP. SHIFT ZERO**  
**TEMP. SHIFT SPAN**  
**COMPENSATED TEMP.**  
**OPERATING TEMP.**  
**WEIGHT**  
**DEFLECTION**

2 mV/V nom.  
150% of R.O.  
±1% of R.O.  
20 MAX  
700 Ω  
±0.1% of R.O.  
±0.2% of R.O.  
±0.02% of R.O.  
±0.02% of LOAD  
±0.001% of R.O./°F [0.0018% of R.O./°C]  
±0.002% of LOAD/°F [0.0036% of LOAD/°C]  
60 to 160°F [15 to 72°C]  
-60 to 200°F [-50 to 93°C]  
ANODIZED ALUMINUM: 1.3lb [0.6kg], 17-4PH/ALLOY STEEL: 3.5lb [1.6kg]  
0.002 to 0.005 [0.05 to 0.13] nom.

CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD) 5 pt. COMPRESSION; 100K Ω SHUNT CAL. VALUE  
CALIBRATION TEST EXCITATION 10 VDC

## OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PC04E-10-6P)  
BENDIX MATING CONNECTOR (PC06E-10-6S-SR)  
BENDIX RECEPTACLE (PT02H-10-6P)  
BENDIX MATING CONNECTOR (PT06A-10-6S-SR)