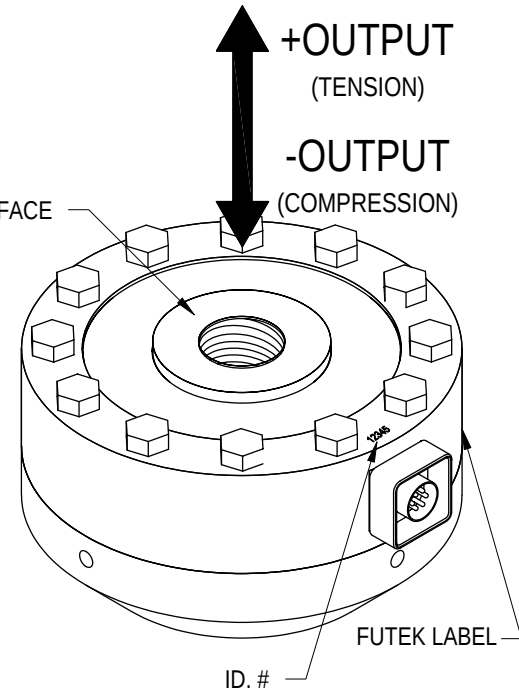
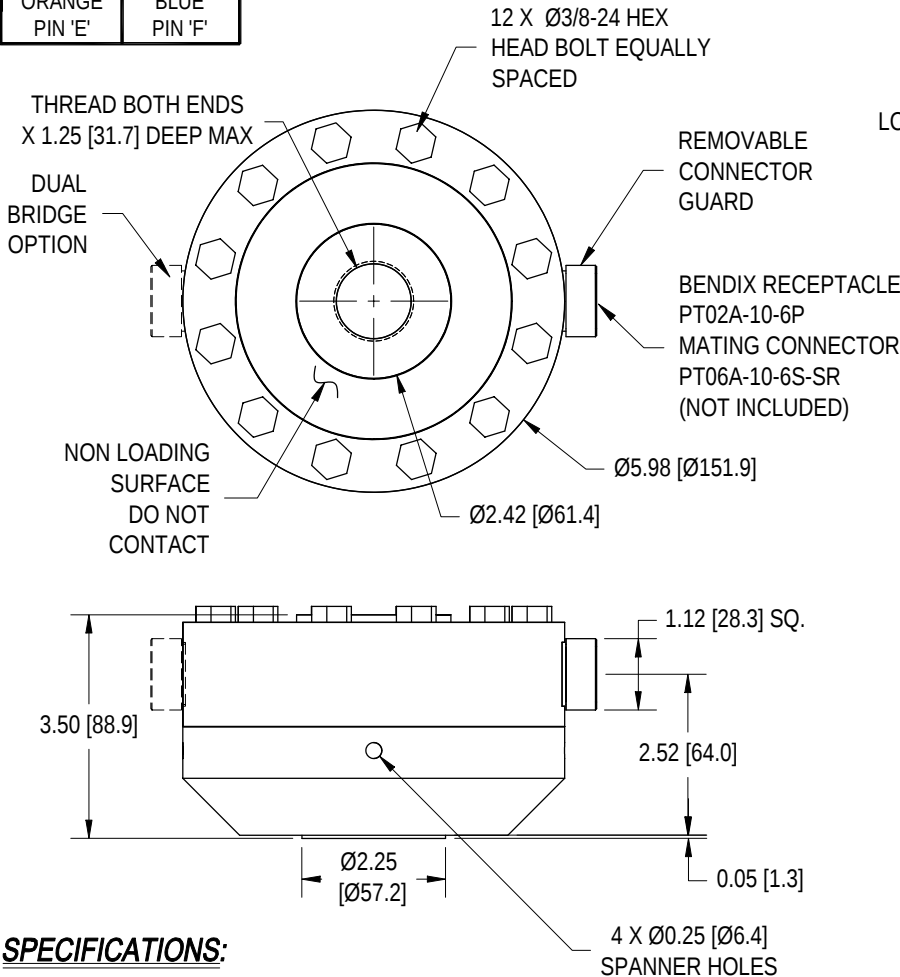


## FATIGUE RATED LOW PROFILE UNIVERSAL PANCAKE LOAD CELL (Previously L2902)

**Drawing Number: FI1181-A**

**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 LCF501 FOR VERSION WITHOUT BASE PLATE

### SPECIFICATIONS:

|                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| RATED OUTPUT                                     | 2 mV/V nom.                                 |
| SAFE OVERLOAD                                    | 300% of R.O.                                |
| ZERO BALANCE                                     | ±1% of R.O.                                 |
| EXCITATION (VDC OR VAC)                          | 20 MAX                                      |
| BRIDGE RESISTANCE                                | 350 Ω nom.                                  |
| NONLINEARITY                                     | ±0.1% of R.O.                               |
| HYSTERESIS                                       | ±0.2% of R.O.                               |
| NONREPEATABILITY                                 | ±0.02% of R.O.                              |
| CREEP                                            | ±0.02% of LOAD                              |
| TEMP. SHIFT ZERO                                 | ±0.001% of R.O./°F [0.0018% of R.O./°C]     |
| TEMP. SHIFT SPAN                                 | ±0.002% of LOAD/°F [0.0036% of LOAD/°C]     |
| COMPENSATED TEMP.                                | 60 to 160°F [15 to 72°C]                    |
| OPERATING TEMP.                                  | -60 to 200°F [-50 to 93°C]                  |
| DEFLECTION                                       | 0.002 to 0.005 [0.05 to 0.13] °om.          |
| MATERIAL                                         | 17-4PH S.S.                                 |
| WEIGHT                                           | 20 lb [9.1 kg]                              |
| CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P) |                                             |
| ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE    |                                             |
| CALIBRATION (STD)                                | 5 pt. COMPRESSION; 60.4 KΩ SHUNT CAL. VALUE |
| CALIBRATION (AVAILABLE)                          | 5pt. TENSION                                |
| CALIBRATION TEST EXCITATION                      | 10 VDC                                      |

| Stock #  | CAPACITY |       | THREAD   |
|----------|----------|-------|----------|
| lb       | kN       |       |          |
| FSH02989 | 12,500   | 55.6  | 1 1/4-12 |
| FSH02990 |          |       | M33 X 2  |
| FSH02960 | 25,000   | 111.2 | 1 1/4-12 |
| FSH02961 |          |       | M33 X 2  |

### OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PCO4E-10-6P)  
BENDIX MATING CONNECTOR (PCO6E-10-6S-SR)