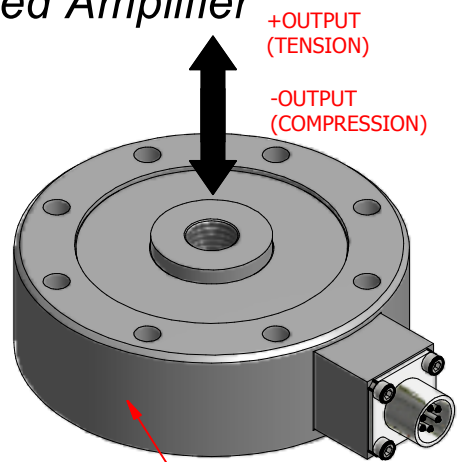
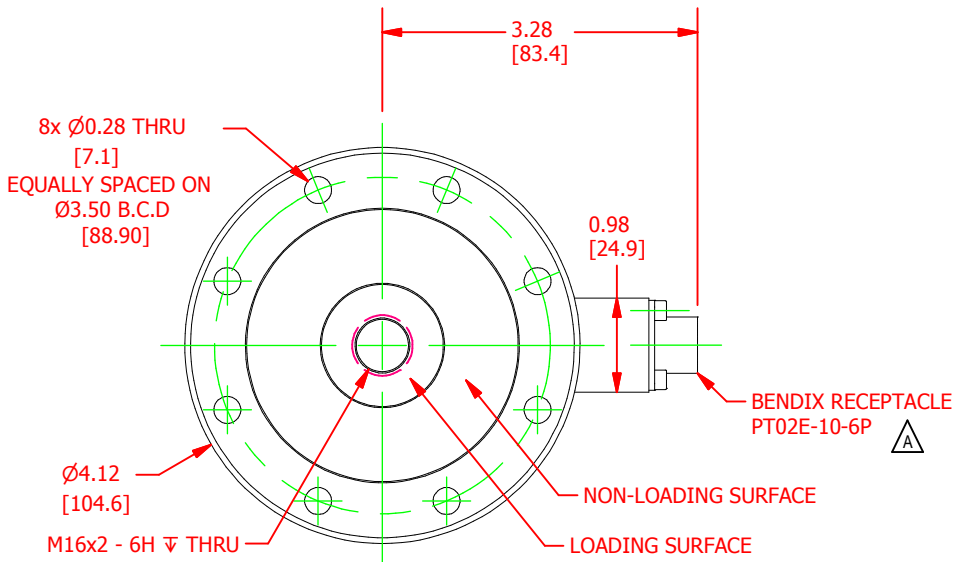


# FUTEK MODEL LCF450

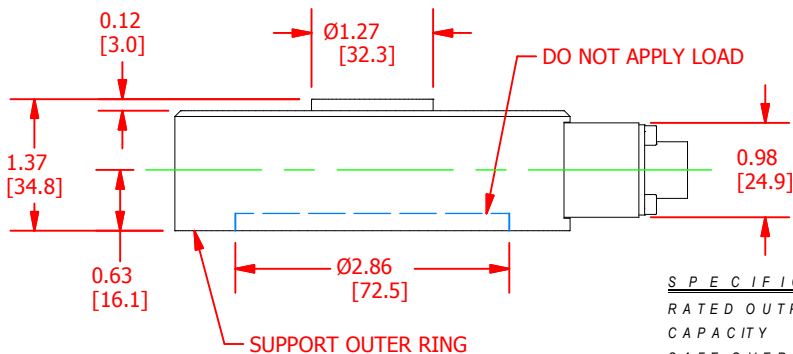
## Low Profile Universal Pancake Load Cell w/ Integrated Amplifier

ITEM NUMBER: See Chart

|                     |            |                    |
|---------------------|------------|--------------------|
| INCH [mm]           |            | R.O.= Rated Output |
| CONNECTOR CODE CC1C |            |                    |
| Power Supply (+)    | Ground (-) | Current Output (+) |
| PIN A               | PIN B      | PIN C              |



LASER MARKED:  
FUTEK LOGO  
FUTEK S/N  
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| ITEM#    | Capacity | Material (Flexure) | Weight |
|----------|----------|--------------------|--------|
| QSH01663 | 1000 lb  | Aluminum           | 1.4 lb |
| QSH01676 | 10000 lb | Stainless Steel    | 3.6 lb |

### SPECIFICATIONS:

|                                    |  |
|------------------------------------|--|
| RATED OUTPUT                       | ± 8 m A                                  |
| CAPACITY                           | See Chart                                |
| SAFE OVERLOAD                      | 150% of R.O.                             |
| ZERO BALANCE                       | 12 m A                                   |
| POWER SUPPLY (VDC)                 | 16-24                                    |
| MAX OUTPUT RESISTANCE              | 500 Ω                                    |
| MAX CURRENT                        | 46 m A @ Full Load                       |
| -3dB BANDWIDTH                     | 1000 Hz                                  |
| NONLINEARITY                       | ± 0.1% of R.O.                           |
| HYSTERESIS                         | ± 0.2% of R.O.                           |
| NONREPEATABILITY                   | ± 0.02% of R.O.                          |
| TEMP. SHIFT ZERO                   | ± 0.01% of R.O./°F (± 0.018% of R.O./°C) |
| TEMP. SHIFT SPAN COMPENSATED TEMP. | ± 0.01% of LOAD/°F (± 0.018% of LOAD/°C) |
| OPERATING TEMP                     | 60 to 160 °F (16 to 71 °C)               |
| WEIGHT (approx)                    | -13 to 185 °F (-25 to 85 °C)             |
| MATERIAL                           | See Chart                                |
| CONNECTOR: PT02E-10-6P             | See Chart                                |

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

|   |           |
|---|-----------|
| A | 8/22/2013 |
| B | 6/26/2018 |

## OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES  
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M  
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015  
THREADS PER HANDBOOK H-28  
DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:  
± 1/2°

CHAMFER:  
± 5°

TOLERANCE:  
.X ± 0.1"  
.XX ± 0.01"  
.XXX ± 0.005"



3rd ANGLE PROJ.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:

**FUTEK**  
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10 THOMAS, IRVINE, CA 92618 USA  
Phone: (949) 465-0900  
Fax: (949) 465-0905

|                               |                           |
|-------------------------------|---------------------------|
| MODEL: <b>LCF450</b>          | DWG No.: <b>FO1345-B</b>  |
| DRAWN BY: <i>E. Pano</i>      | CREATED DATE: 4/8/2013    |
| APPROVED BY: <i>R. Walker</i> | APPROVED DATE: 4/22/2013  |
| CHECKED BY:                   | CAGE: 1X8M6 SHEET: 1 OF 1 |