FUTEK MODEL LCF450

ITEM NUMBER: See Chart

Low Profile Universal Pancake Load Cell w/ Integrated Amplifier

INCH [mm]	R.O.= Rated Output

CONNECTOR CODE CC1C			△ A
Power Supply (+)	Ground (-)	Current Output (+)	
PIN A	PIN B	PIN C	
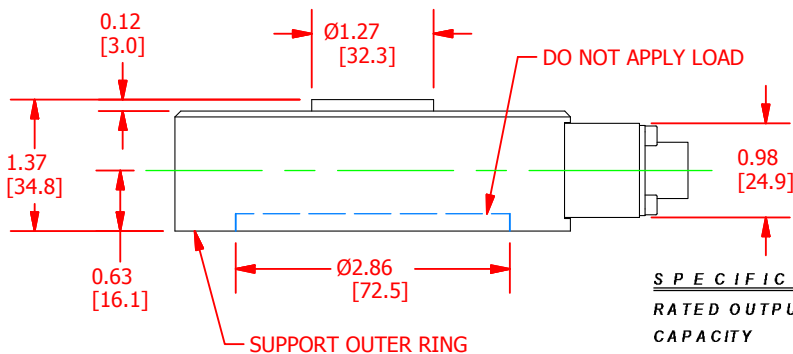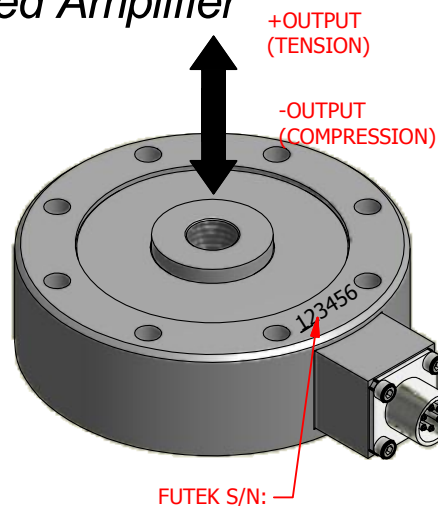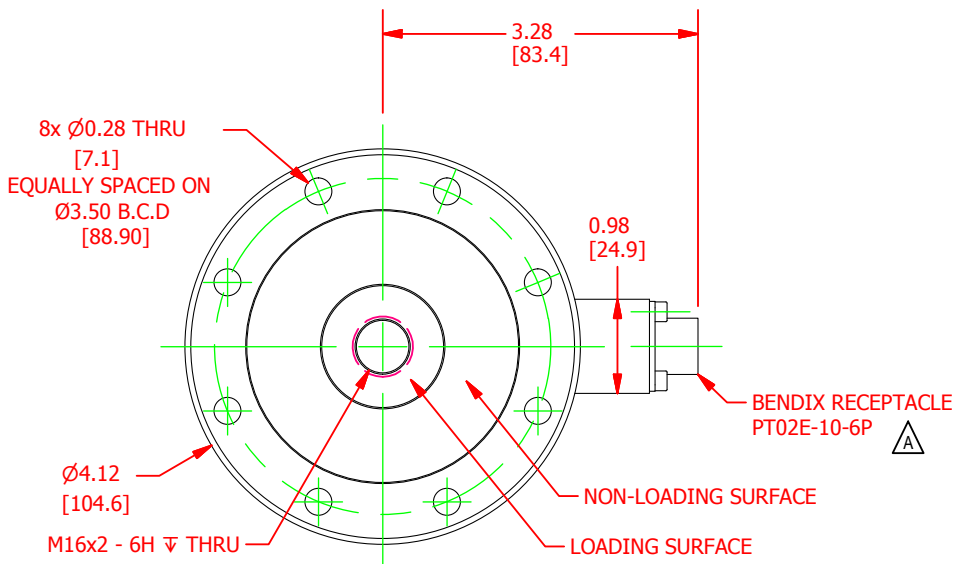
+OUTPUT (TENSION)

-OUTPUT (COMPRESSION)

123456

FUTEK S/N:

3.28 [83.4]

8x Ø0.28 THRU [7.1] EQUALLY SPACED ON Ø3.50 B.C.D [88.90]

0.98 [24.9]

Ø4.12 [104.6]

M16x2 - 6H ▽ THRU

NON-LOADING SURFACE

LOADING SURFACE

BENDIX RECEPTACLE PT02E-10-6P △ A

0.12 [3.0]

Ø1.27 [32.3]

DO NOT APPLY LOAD

1.37 [34.8]

0.98 [24.9]

0.63 [16.1]

Ø2.86 [72.5]

SUPPORT OUTER RING

ITEM#	Capacity	Material (Flexure)	Weight
QSH01663	1000 lb	Aluminum	1.4 lb
QSH01676	10000 lb	Stainless Steel	3.6 lb

△ A

SPECIFICATIONS:

RATED OUTPUT	± 8 m A
CAPACITY	See Chart
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	12 m A
POWER SUPPLY (VDC)	12-24
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	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-40 to 180 °F (-40 to 82 °C)
WEIGHT (approx)	See Chart
MATERIAL	See Chart
CONNECTOR: PT02E-10-6P	

△ A

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	8/22/2013

## 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

3rd ANGLE PROJ.

ANGLE: ± 1/2°

CHAMFER: ± 5°

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

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.
10 THOMAS, IRVINE, CA 92618 USA
Phone: (949) 465-0900
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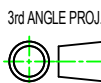
MODEL: LCF450	DWG No.: FO1345-A
DRAWN BY: E. Pano	CREATED DATE: 4/8/2013
APPROVED BY: R. Walker	APPROVED DATE: 4/22/2013
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1

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