

# FUTEK MODEL QLA418

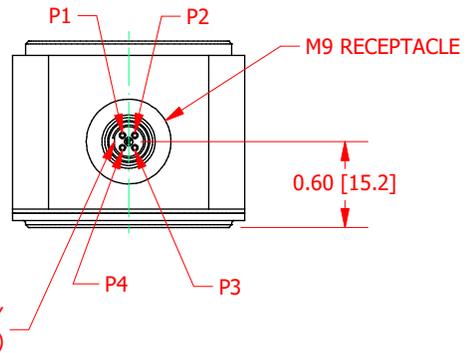
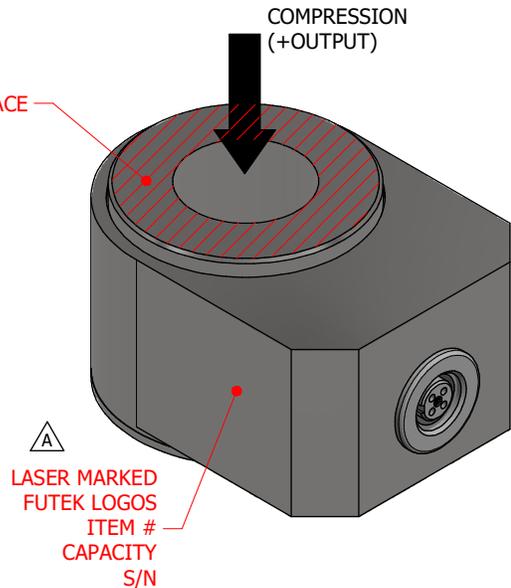
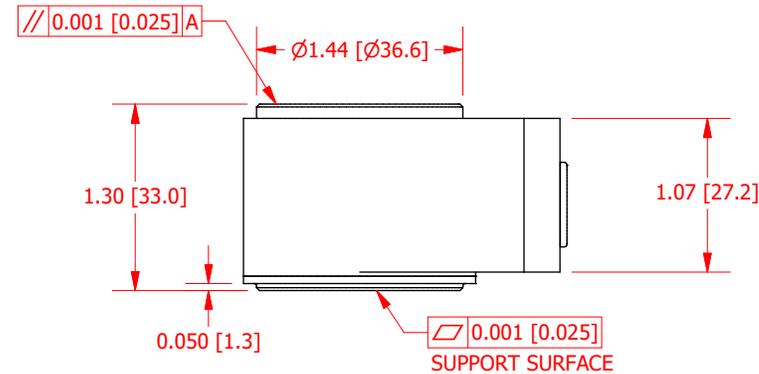
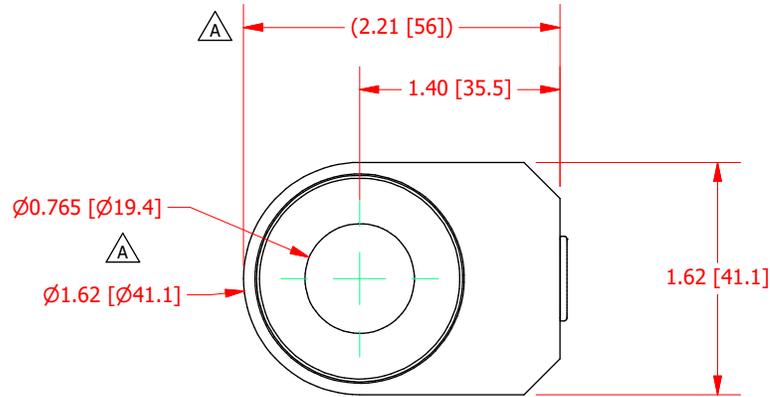
# CUSTOM LOAD WASHER LOAD CELL

ITEM NUMBER: QSH02104

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

### WIRING CODE

+ Excitation	- Excitation	+Signal	-Signal
PIN 1	PIN 4	PIN 3	PIN 2



### SPECIFICATIONS:

RATED OUTPUT	3 mV/V nom.
CAPACITY	60000 lb. [266400N]
SAFE OVERLOAD	110 % of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
NONREPEATABILITY	±0.1% 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.	0 to 100 °F (-18 to 38 °C) <sup>A</sup>
OPERATING TEMP	-40 to 185 °F (-40 to 85 °C)
WEIGHT (approx)	0.9 lb [408.2 g]
MATERIAL	Stainless Steel
DEFLECTION	0.003 [0.076] nom.
CONNECTOR: M9, 4 Position Receptacle, Binder 09-0412-00-04 or Equivalent	
IP RATING	IP64
RoHS	EU 2015/863

## OUTLINE DRAWING

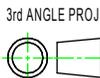
STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES  
 DRAWING INTERPRETATION DIMS. PER ASME-Y14.5  
 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"



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**  
 ADVANCED SENSOR TECHNOLOGY, INC.  
 10 THOMAS, IRVINE, CA 92618 USA  
 Phone: (949) 465-0900  
 Fax: (949) 465-0905

MODEL: <b>QLA418</b>	DWG No.: <b>FO1516-A</b>
DRAWN BY: R. WALKER	CREATED DATE: 10/28/2019
APPROVED BY: S. MICHEL	APPROVED DATE: 10/29/2019
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1

CUSTOMER APPROVAL- COMPANY:	
CUSTOMER APPROVAL- NAME / DATE:	
REVISIONS: (Refer to dwg # revision sheet)	
A	11-7-19