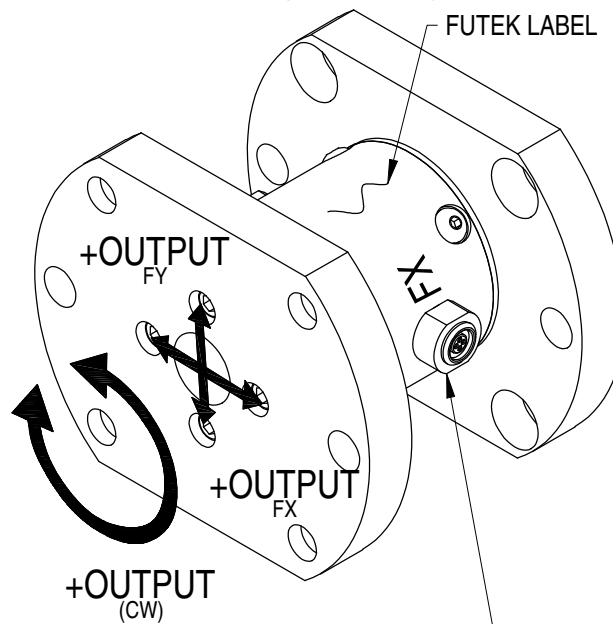
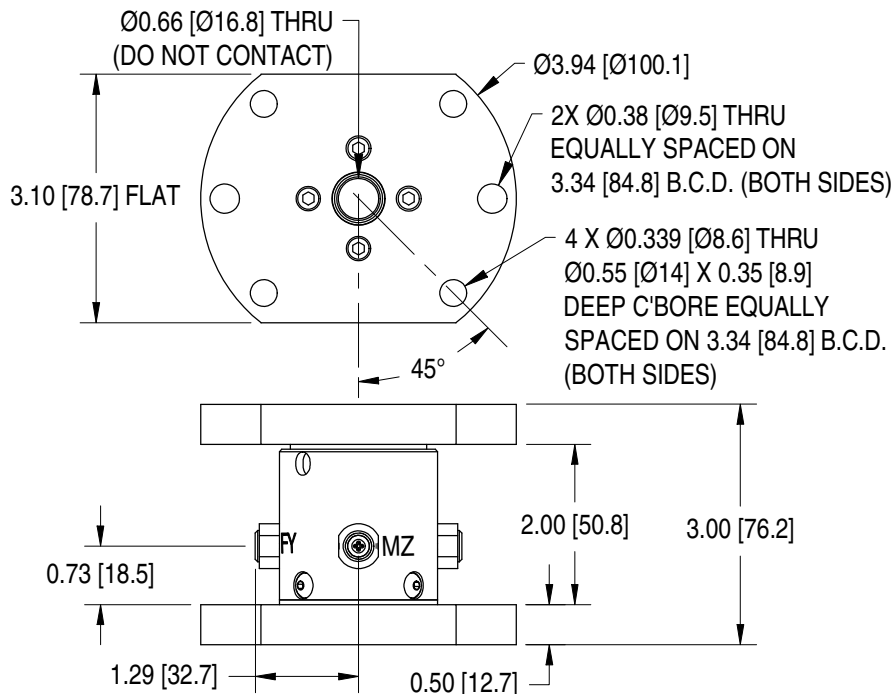


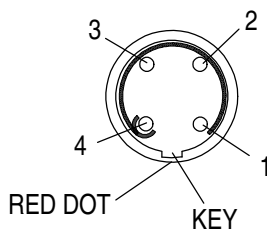
FUTEK MODEL QMA119 SPECIAL MULTIAXIAL LOAD CELL

ITEM NUMBER: QSH01254

| | | | |
|-------------|-------------|--------------------|---------|
| INCH [mm] | | R.O.= Rated Output | |
| WIRING CODE | | | |
| +Excitation | -Excitation | +Signal | -Signal |
| Pin 1 | Pin 4 | Pin 2 | Pin 3 |



LEMO RECEPTACLE
EGG.OB.304.CLL



NOTE:
MATING CONNECTOR
FGG.OB.304.CLAD35
NOT INCLUDED

SPECIFICATIONS:

| | |
|----------------------------|--------------------------------------|
| RATED OUTPUT (Mz) | 2 mV/V nom. |
| RATED OUTPUT (Fx, Fy) | 0.7 mV/V nom. |
| CAPACITY (Mz) | 100 in-lb |
| CAPACITY (Fx, Fy) | 50 lb |
| SAFE OVERLOAD | 150% of R.O. |
| ZERO BALANCE | ±3% of R.O. |
| EXCITATION (VDC OR VAC) | 18 VDC MAX |
| BRIDGE RESISTANCE (Mz) | 700 Ω nom |
| BRIDGE RESISTANCE (Fx, Fy) | 350 Ω nom |
| NONLINEARITY | ±0.2% of R.O. |
| CROSS TALK | 2-3% of R.O. OR LESS |
| HYSTERESIS | ±0.2% of R.O. |
| NONREPEATABILITY | ±0.05% of R.O. |
| TEMP. SHIFT ZERO | ±0.01% of R.O./°F (X% of R.O./°C) |
| TEMP. SHIFT SPAN | ±0.01% of LOAD/°F (X% of LOAD/°C) |
| COMPENSATED TEMP. | 60 to 160°F (15 to 72°C) |
| OPERATING TEMP. | -60 to 200°F (-50 to 93°C) |
| WEIGHT | 19 oz [539g] |
| MATERIAL | Anodized Aluminum |
| CONNECTOR: | 4 Pin Lemo Receptacle EGG.OB.304.CLL |

CUSTOMER APPROVAL-COMPANY

OUTLINE DRAWING

CUSTOMER APPROVAL-NAME /DATE

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.



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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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CAGE: 1X8M6

MODEL: QMA119

DWG No.: FO1240

DRAWN BY: A. Sata

CHECKED BY: -

APPROVED BY: R. Walker

DATE: May 15, 2009

REVISIONS: (Refer to dwg # revision sheet)

