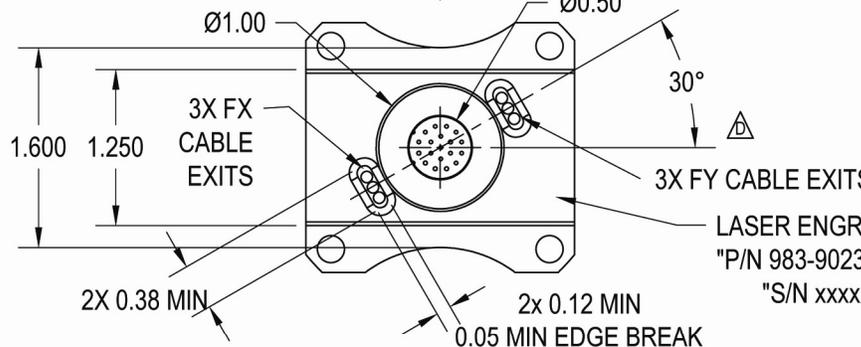
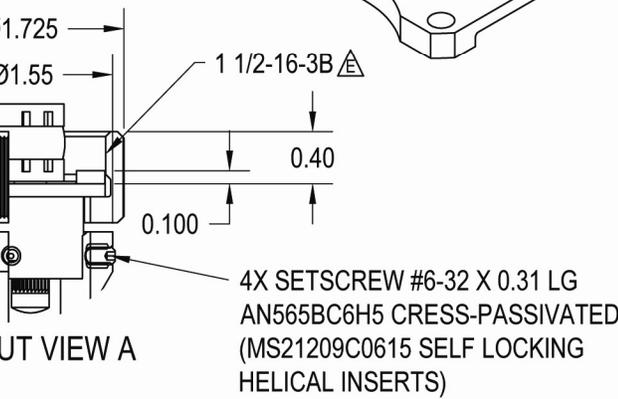
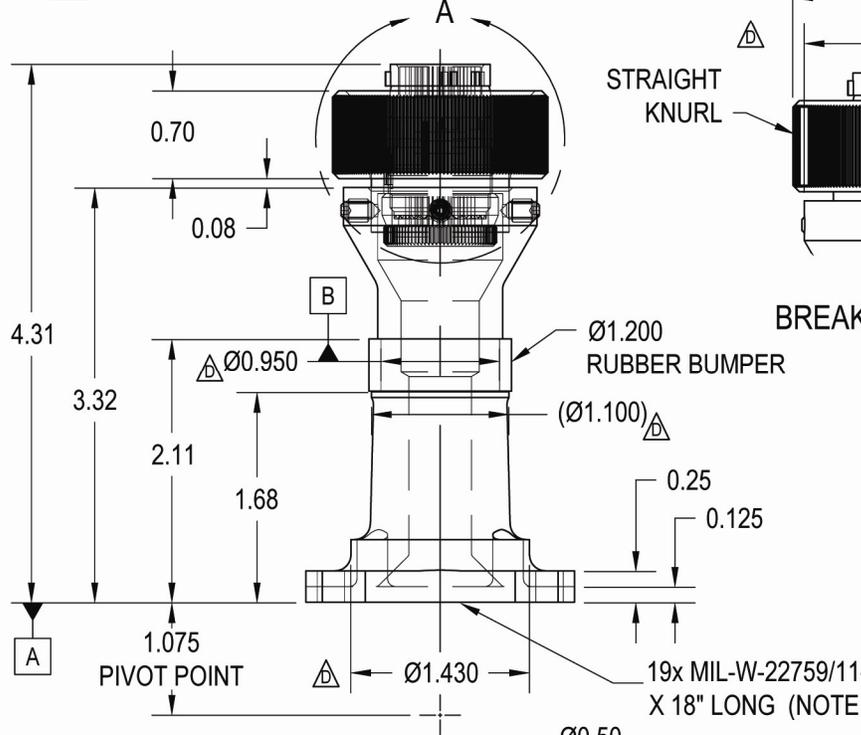
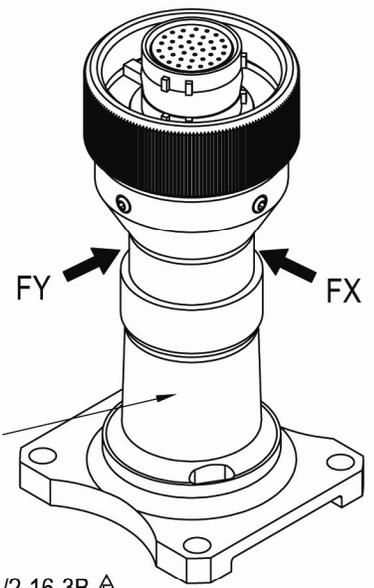
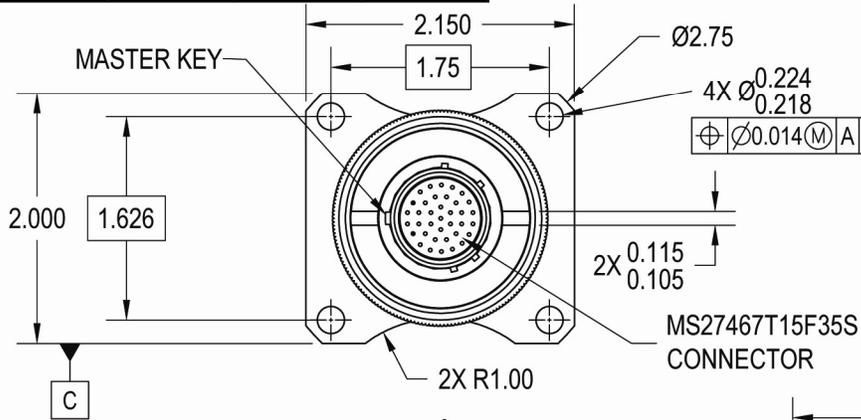


# FUTEK MODEL QMA111

STOCK NUMBER: QSH00849

# TRIPLE REDUNDANT STICK SENSOR

|             |             |                    |         |
|-------------|-------------|--------------------|---------|
| INCH (mm)   |             | R.O.= Rated Output |         |
| WIRING CODE |             |                    |         |
| +Excitation | -Excitation | +Signal            | -Signal |
| RED         | BLACK       | GREEN              | WHITE   |



## SPECIFICATIONS:

|                          |  |
|--------------------------|--|
| △ RATED OUTPUT (FX & FY) | 1.5 mV/V nom.  |
| △ CAPACITY               | 150 lbs @ 8.5" Above Pivot Point                             |
| △ ULTIMATE OVERLOAD      | 300 lb   |
| ZERO BALANCE             | ±3% of R.O.  |
| EXCITATION (VDC OR VAC)  | 15 MAX   |
| BRIDGE RESISTANCE        | 350 Ω nom  |
| NONLINEARITY             | ±0.5% of R.O.  |
| NONREPEATABILITY         | ±0.1% of R.O.  |
| OPERATING TEMP.          | -60 to 200°F   |
| SENSOR MATERIAL          | ANODIZED 7075 ALUMINUM                                       |
| SENSOR CABLE:            | 29 Awg, 4 Conductor Spiral Shielded Silicone Cable, 18" Long |

## NOTES:

- 1) PROTOTYPE UNITS WILL BE SUPPLIED WITH COMMON COLORED CONDUCTORS AND INDIVIDUALLY TAGGED INDICATING PIN CODE.

|                          |   |
|--------------------------|---|
| MATERIAL:                | — |
| HEAT TREATMENT - FINISH: | — |

## OUTLINE DRAWING

|  |
|--|
| REVISIONS: (Refer to dwg # revision sheet) |
| △ 3-19-07                                  |
| △ 4-4-07                                   |
| △ 4-23-07                                  |
| △ 5-7-07                                   |
| △ 7-30-07                                  |

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 ±0.03  
 .XXX ±0.010

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

**CAGE: 1X8M6**

MODEL: **QMA111**  
 DRAWN BY: R. WALKER  
 APPROVED BY: —

DWG No.: **FO1159**  
 CHECKED BY: H. AU  
 DATE: **Nov 29, 2006**