

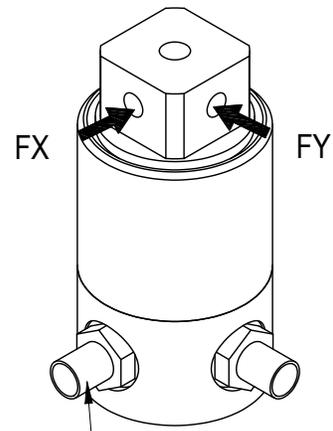
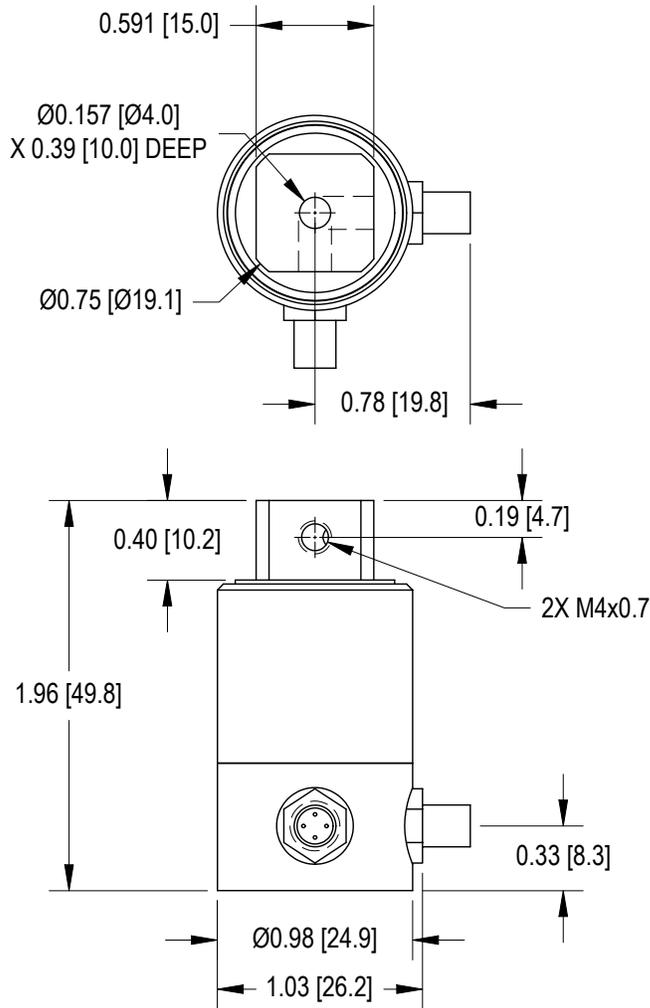
# FUTEK MODEL QMA114

STOCK NUMBER: QSH01032

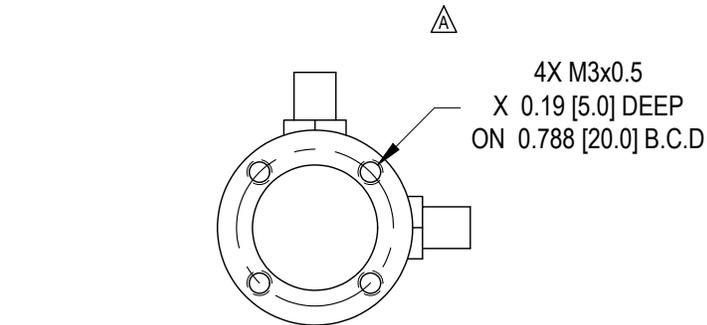
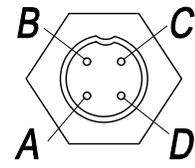
# Custom Dual-Axis Load Cell

INCH (mm) | R.O.= Rated Output

WIRING CODE (CC6)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN/YELLOW PIN 'C'	WHITE PIN 'D'



MICROTECH RECEPTACLE  
DR-4S  
MATING CONNECTOR  
DP-4S-1  
(NOT INCLUDED)



## SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	500 N (112 lb)
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	350 Ω nom
NONLINEARITY	±0.25% of R.O.
HYSTERESIS	±0.25% 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	±0.02% of LOAD/°F (0.036% of LOAD/°C)
COMPENSATED TEMP.	60 to 160°F (15 to 72°C)
OPERATING TEMP.	32 to 185°F (0 to 85°C)
WEIGHT	100 g
MATERIAL- (FLEXURE)	STAINLESS STEEL
CONNECTOR:	MICROTECH RECEPTACLE DR-4S)

MATERIAL:	—
HEAT TREATMENT - FINISH:	—
REVISIONS: (Refer to dwg # revision sheet)	
△ 11-12-07	
△ 11-26-07	

## 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.

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## FUTEK

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**CAGE: 1X8M6**

MODEL: <b>QMA114</b>	DWG No.: <b>FO1200</b>
DRAWN BY: R. WALKER	CHECKED BY: J. VARGAS
APPROVED BY: —	DATE: <b>Nov 9, 2007</b>