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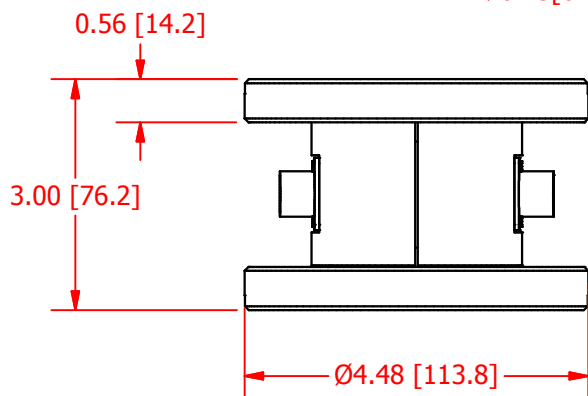
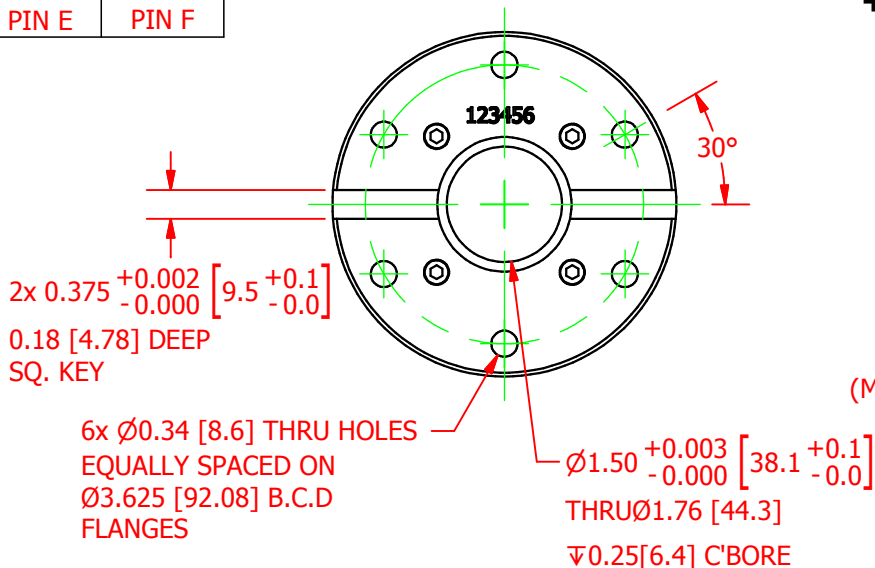
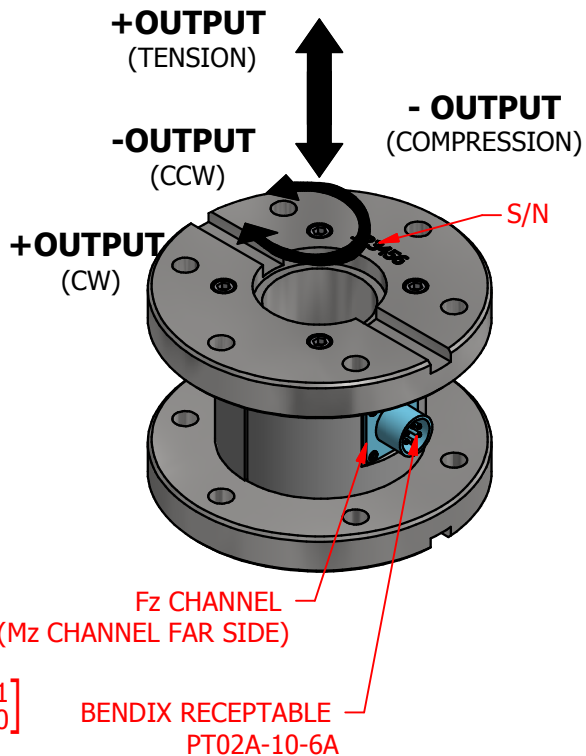
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FUTEK MODEL QMA133

Reaction Torque and Thrust Flange Sensor

ITEM NUMBER: QSH01622

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
RED PIN A	BLACK PIN B	GREEN PIN C	WHITE PIN D
+ Sense	- Sense		
ORANGE PIN E	BLUE PIN F		



SPECIFICATIONS:

RATED OUTPUT	1 mV/V nom (Fz); 1 mV/V nom (Mz)
CAPACITY	3000 lb (Fz); 1000 in-lb (Mz)
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±2% of R.O. (Fz); ±2% of R.O. (Mz)
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	372 Ω nom (Fz); 790 Ω nom (Mz)
NONLINEARITY	± 0.5% of R.O (Fz); ± 0.25% of R.O (Mz)
TEMP. SHIFT ZERO	± 0.005% of R.O./°F (± 0.009 of R.O./°C)
TEMP. SHIFT SPAN	± 0.005% of LOAD/°F (± 0.009 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	2 lb
MATERIAL	Aluminum Flexure, Red Anodized Aluminum (Cover)
CABLE:	2x 6 PIN BENDIX CONNECTOR PTO2A-10-6P

CUSTOMER APPROVAL- COMPANY:

OUTLINE DRAWING

FUTEK

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CUSTOMER APPROVAL- NAME / DATE:

STANDARD NOTES: (Unless Otherwise Specified)

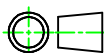
REVISIONS: (Refer to dwg # revision sheet)

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°

3rd ANGLE PROJ.
TOLERANCE:
.X ± 0.1"
.XX ± 0.01"
.XXX ± 0.005"



MODEL: **QMA133**

DWG No.: **FO1326**

DRAWN BY: *E. Pano*

CREATED DATE: *8/30/2012*

APPROVED BY: *R. Walker*

APPROVED DATE: *8/30/2012*

CHECKED BY:

CAGE: 1X8M6 SHEET: 1 OF 1