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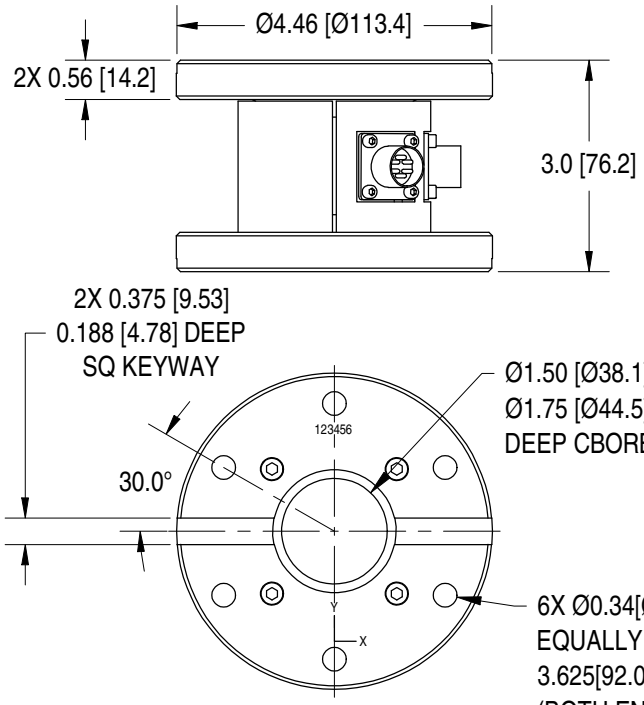
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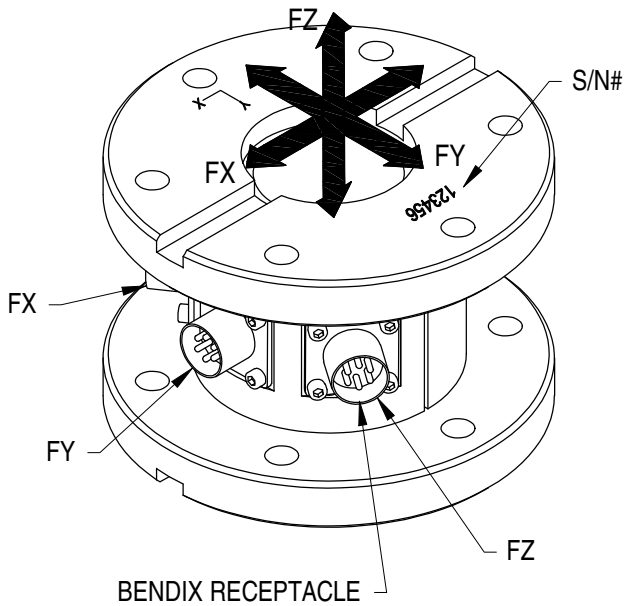
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FUTEK MODEL QMA129 *Custom Flange to Flange Tri-Axial Load Cell*

ITEM NUMBER: QSH01449

INCH [mm]	R.O.= Rated Output		
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
PIN 'A'	PIN 'B'	PIN 'C'	PIN 'D'
+Sense	-Sense		
PIN 'E'	PIN 'F'		





BENDIX RECEPTACLE
PT02A-10-6E
MATING CONNECTOR
PT06-10-64S-SR
(NOT INCLUDED)

SPECIFICATIONS:

RATED OUTPUT (Fx, Fy)	*2.5 mV/V nom.*
RATED OUTPUT (Fz)	*1 mV/V nom.*
CAPACITY	*1213 lb*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*18 VDC MAX*
BRIDGE RESISTANCE (Fx, Fy)	*350 Ω nom*
BRIDGE RESISTANCE (Fz)	*700 Ω nom*
NONLINEARITY (Fx, Fy)	*±1% of R.O.*
NONLINEARITY (Fz)	*±2% of R.O.*
NONREPEATABILITY	*±0.5% of R.O.*
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 (15 to 149°C)*
OPERATING TEMP.	*-60 to 200°F (-50 to 193°C)*
MATERIAL	*ALUMINUM 2024-T4*

CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6E)

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)

A -

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

3rd ANGLE PROJ.

ANGLE: ±1/2°

CHAMFER: ±5°

TOLERANCE: .X ±0.1 .XX ±0.01 .XXX ±0.005

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CAGE: 1X8M6

MODEL: QMA129

DWG No.: FO1279

DRAWN BY: A. Sata

CHECKED BY: -

APPROVED BY: R. Walker

DATE: Oct. 28, 2010