

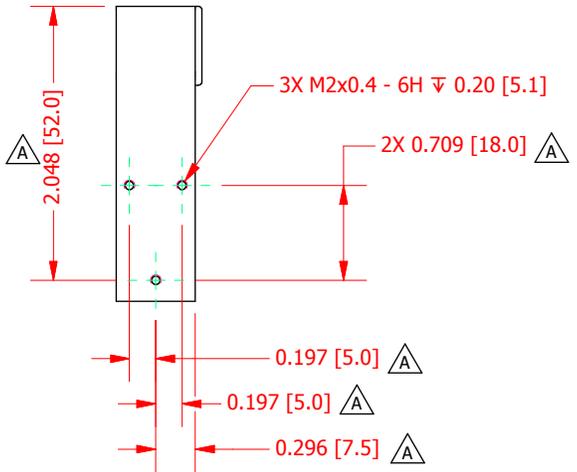
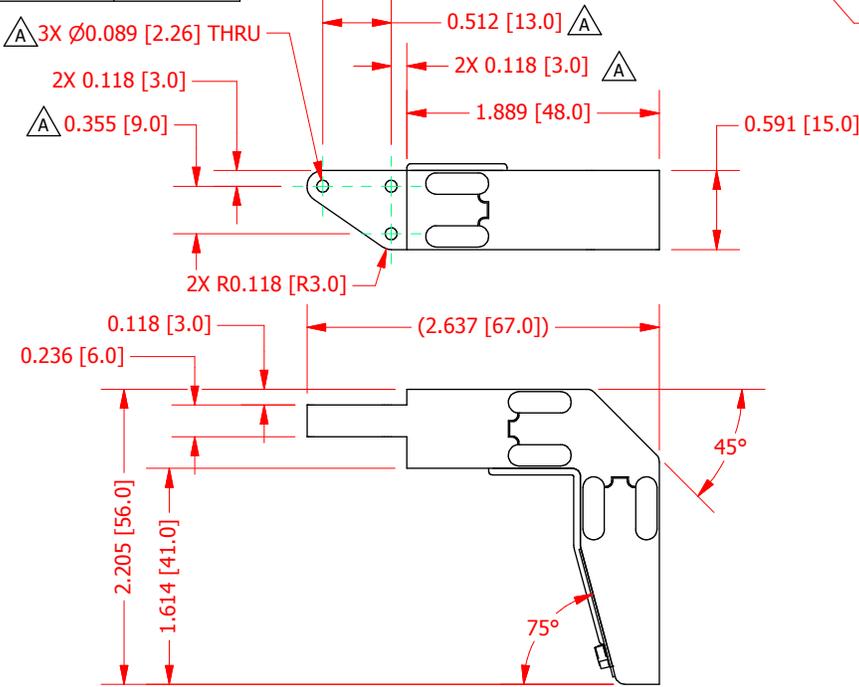
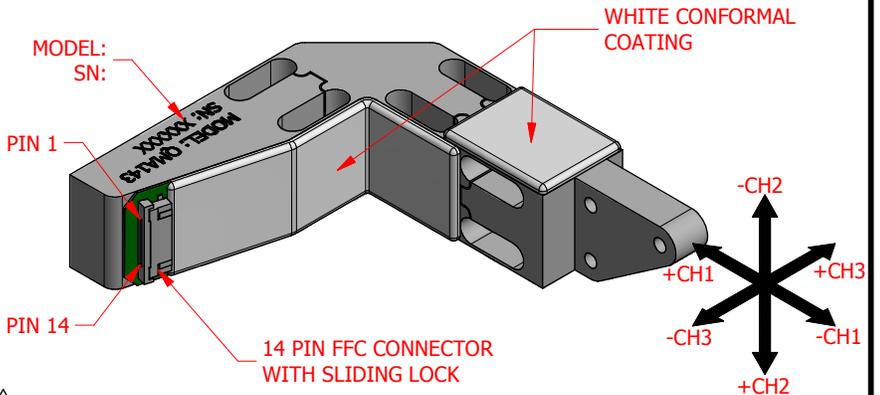
FUTEK MODEL QMA143

Custom Tri-Axial Bending Beam Load Cell with Triangular Bolt Pattern

ITEM NUMBER: QSH01961

INCH [mm] | R.O.= Rated Output

WIRING CODE			
+ Excitation	+ Excitation	- Excitation	- Excitation
Pin 1	Pin 2	Pin 3	Pin 4
Ground*	Ch1 + Signal	Ch1 - Signal	Ground*
Pin 5	Pin 6	Pin 7	Pin 8
Ch 2 +Signal	Ch2 -Signal	Ground*	Ch3 +Signal
Pin 9	Pin 10	Pin 11	Pin 12
Ch 3 -Signal	Ground*	*Ground is floating from sensor body	
Pin 13	Pin 14		



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	5 lb. [22.2N]
SAFE OVERLOAD	500 % of R.O.
ZERO BALANCE	±2% of R.O.
EXCITATION (VDC OR VAC)	15 VDC MAX
BRIDGE RESISTANCE	117/350 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)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-40 to 180 °F (-40 to 82 °C)
MATERIAL	CLEAR ANODIZED ALUMINUM
CABLE: FPC/FFC 14POS 0.020" PITCH WITH SLIDE LOCK	
CE CONFORMITY	2011/65/EU

CUSTOMER APPROVAL- COMPANY:	
CUSTOMER APPROVAL- NAME / DATE:	
REVISIONS: (Refer to dwg # revision sheet)	
A	1/23/2018

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5
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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MODEL: QMA143	DWG No.: FO1455-A
DRAWN BY: S. MICHEL	CREATED DATE: 1/8/2018
APPROVED BY: R. WALKER	APPROVED DATE: 1/9/2018
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1