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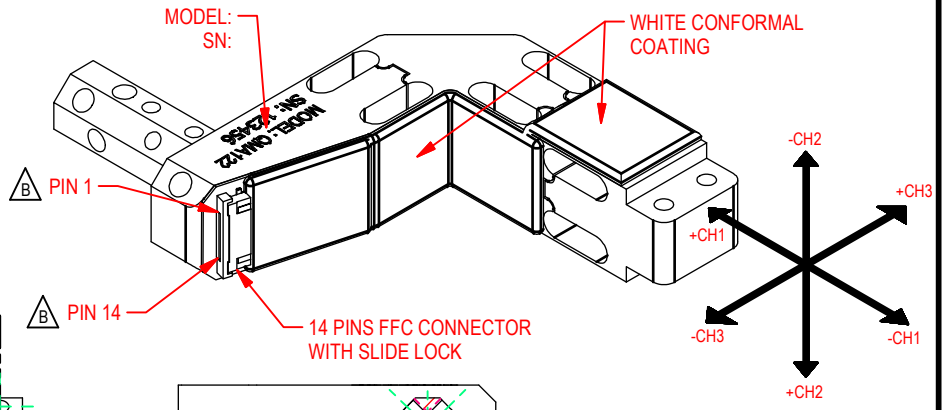
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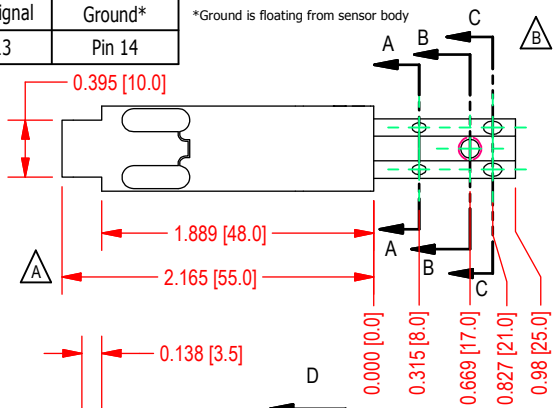
FUTEK MODEL QMA122

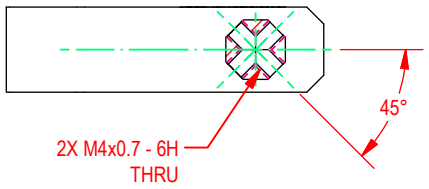
ITEM NUMBER: QSH01865

CUSTOM TRI-AXIAL BENDING BEAM LOAD CELL, RoHS COMPLIANT

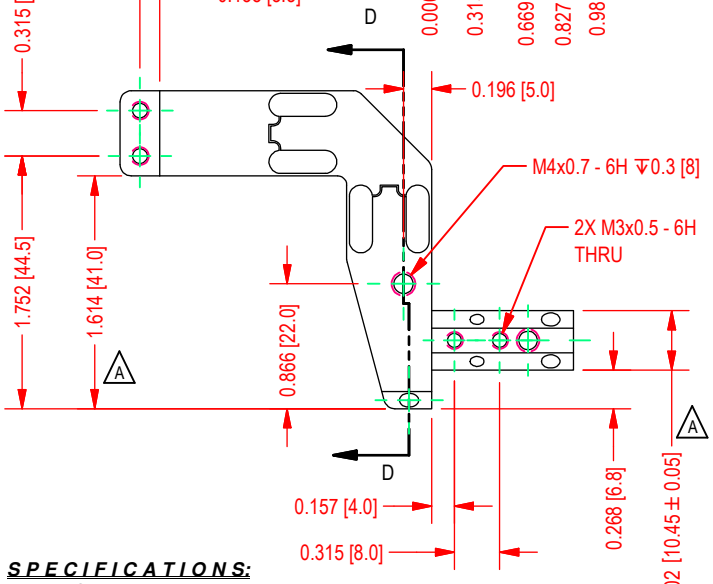
INCH [mm]	R.O.= Rated Output		
B WIRING CODE			
+ Excitation	+ Excitation	- Excitation	- Excitation
Pin 1	Pin 2	Pin 3	Pin 4
Ground*	Ch1 + Signal	Ch1 - Signal	Ground*
Pin 5	Pin 6	Pin 7	Pin 8
Ch 2 +Signal	Ch2 -Signal	Ground*	Ch3 +Signal
Pin 9	Pin 10	Pin 11	Pin 12
Ch 3 -Signal	Ground*	*Ground is floating from sensor body	
Pin 13	Pin 14		

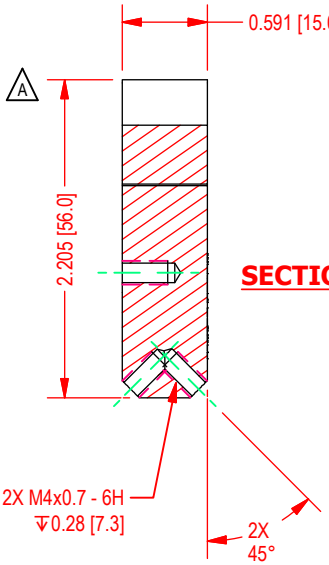




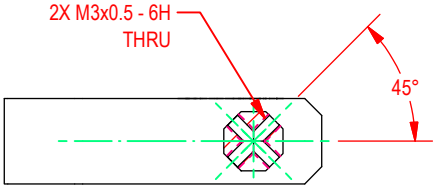


SECTION C-C

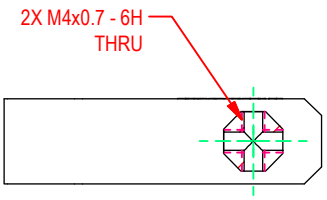




SECTION D-D



SECTION A-A



SECTION B-B

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)	15VDC 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./℉ (±0.018 of R.O./℃)
COMPENSATED TEMP.	60 to 160 ℉ (16 to 71 ℃)
OPERATING TEMP	-40 to 180 ℉ (-40 to 82 ℃)
MATERIAL	BLACK ANODIZED ALUMINUM
CONNECTOR	FPC/FFC 14POS 0.020" PITCH WITH SLIDE LOCK
CE CONFORMITY	2011/65/EU A

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	5/2/2017
B	1/9/2018

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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MODEL: QMA122	DWG No.: FO1435-A
DRAWN BY: T.Huynh	CREATED DATE: 11/23/2016
APPROVED BY: R.Walker	APPROVED DATE: 11/28/2016
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1