

FUTEK MODEL QMA147

Custom Tri-Axial Bending Beam Load Cell with M2.5 Mounting

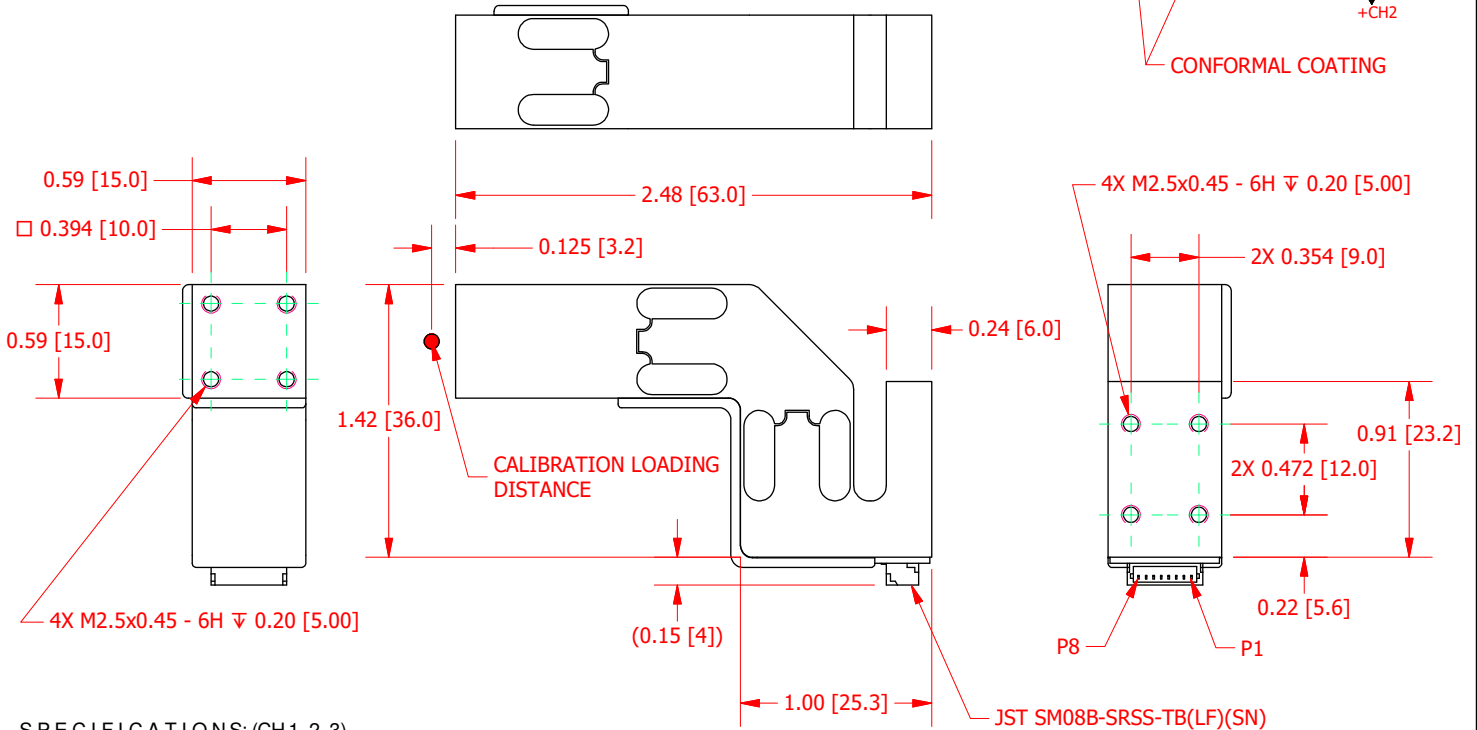
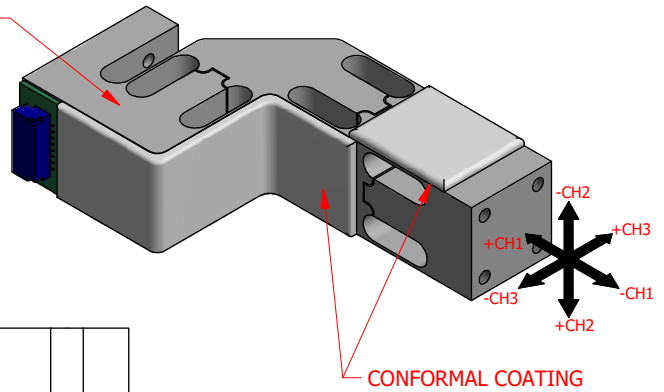
ITEM NUMBER: QSH02080

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

WIRING CODE

+ Excitation	- Excitation	CH1 +Signal	CH1 -Signal
P1	P2	P3	P4
CH2 +Signal	CH2 -Signal	CH3 +Signal	CH3 -Signal
P5	P6	P7	P8

LASER MARKED ITEM # & S/N



SPECIFICATIONS: (CH1, 2, 3)

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	5 lb. [22.2N]
SAFE OVERLOAD	500 % of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	15 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	0 to 180 °F (-18 to 82 °C)
MATERIAL	CLEAR ANODIZED ALUMINUM
CONNECTOR-	8 POSITION JST SM08B-SRSS-TB(LF)(SN)

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CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

OUTLINE DRAWING

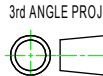
STANDARD NOTES: (Unless Otherwise Specified)

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"



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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

MODEL: QMA147	DWG No.: FO1501
DRAWN BY: R. Walker	CREATED DATE: 7/16/2019
APPROVED BY: S. Michel	APPROVED DATE: 7/17/2019
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1