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FUTEK MODEL QLA427

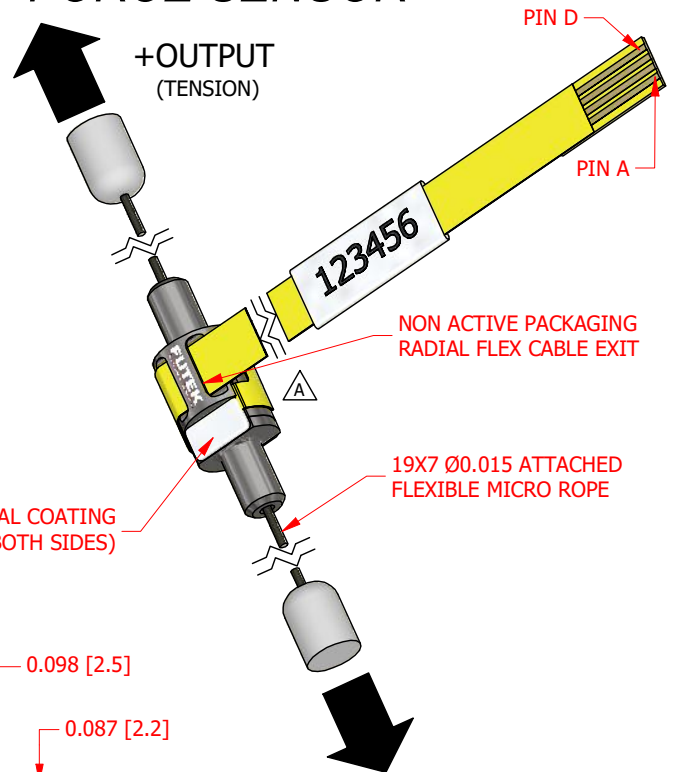
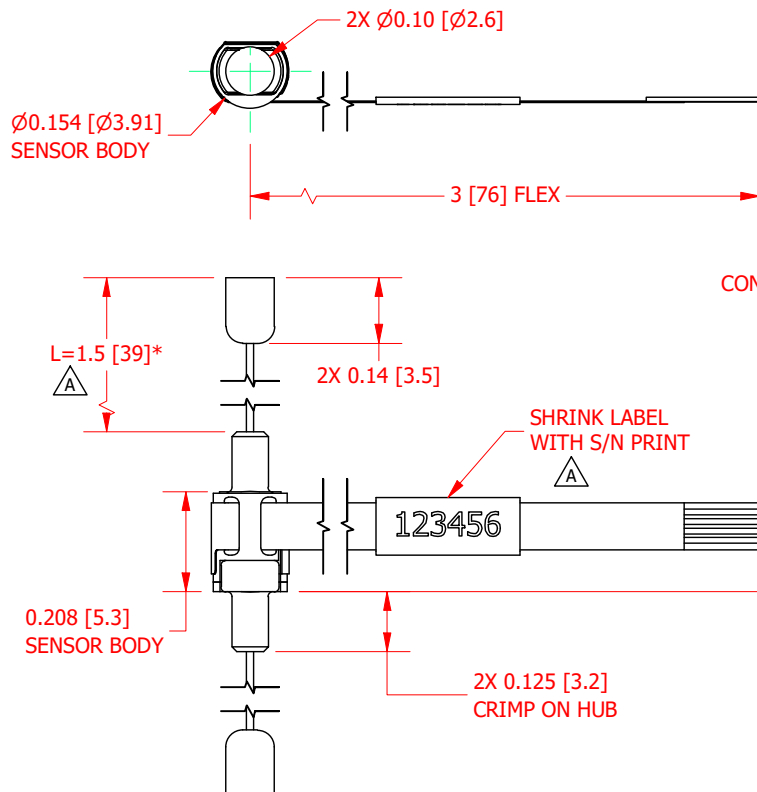
ITEM NUMBER: QSH02272

NANO SMART CRIMP, IN-LINE FORCE SENSOR

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

WIRING CODE

+ Excitation	- Excitation	- Signal	+ Signal
RED	BLACK	WHITE	GREEN
PIN A	PIN B	PIN C	PIN D



MIX AND MATCH CUSTOM CONFIGURATIONS UPON REQUEST

SPECIFICATIONS:

RATED OUTPUT	1.2 mV/V nom.
CAPACITY	30 lb. [133.2N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±50% of R.O.
EXCITATION (VDC OR VAC)	5 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.03% of R.O./°F (±0.054 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 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)	0.001 lb [0.5 g]
MATERIAL	17-4 PH S.S.
DEFLECTION	0.0005 [0.013] nom.
CABLE: 4PIN, 0.5MM PITCH FLEX	CABLE, 3 in [76] Long
ACCESSORIES:	BREAK OUT BOARD QSH02146
*INTEGRATED MICRO ROPE:	L=1.5in [38] / CUSTOMIZABLE

WELD IN HUBS
(CUSTOMIZABLE)

THRU HOLE
Ø0.028 [0.7]

SECTION VIEW

AXIAL FLEX EXIT

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

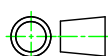
A 2/3/2022

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

3rd ANGLE PROJ.



ANGLE:
± 1/2°

CHAMFER:
± 5°

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

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MODEL: **QLA427**

DWG No.: **FO1584-A**

DRAWN BY: **S. VOSOUGH**

CREATED DATE: **2/2/2022**

APPROVED BY: **M. LISIAK**

APPROVED DATE: **2/2/2022**

CHECKED BY:

CAGE: 1X8M6 SHEET: 1 OF 1