

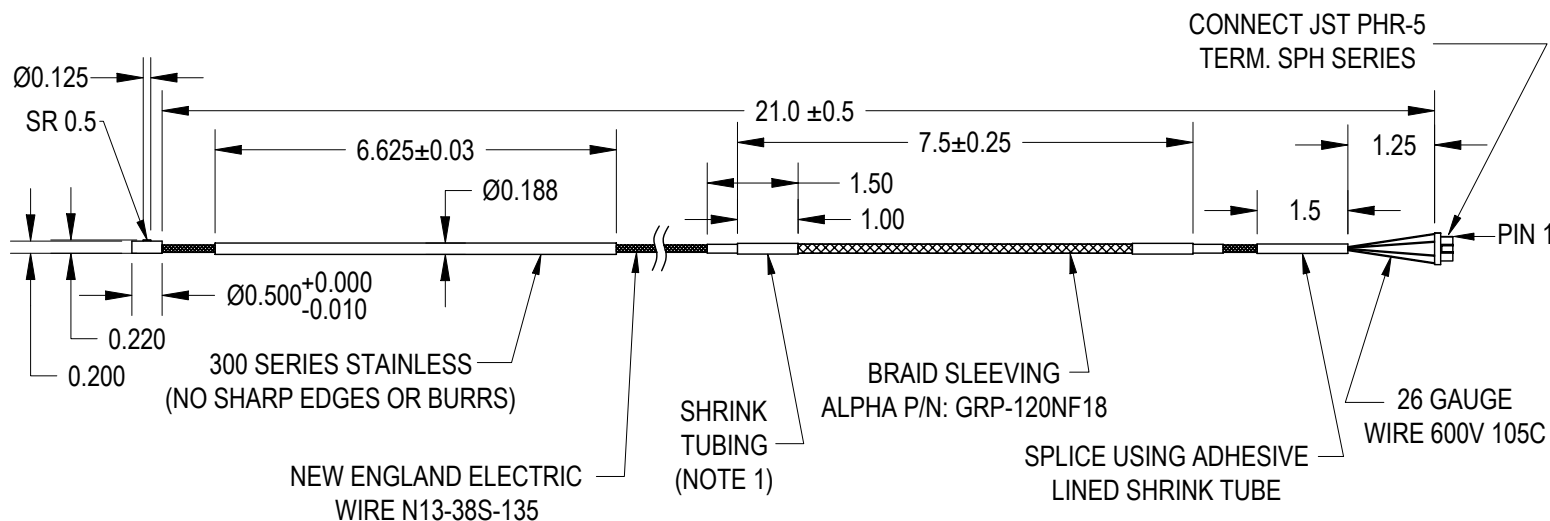
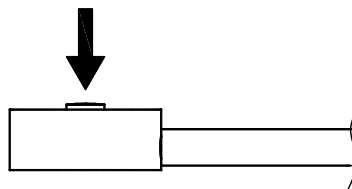
FUTEK MODEL QLA299

NON-FERROUS LOAD CELL

STOCK NUMBER: QSH01133

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+Exc / PIN 1	-Exc / PIN 2	-Signal / PIN 3	+Signal / PIN 4
RED	BLACK	GREEN	WHITE
Shield / PIN 5	⚠		
GRAY			

+OUTPUT
(COMPRESSION)



△ SPECIFICATIONS:

RATED OUTPUT	2 mV/V ±10%
CAPACITY	250 lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	7 MAX
BRIDGE RESISTANCE	350 Ω _{nom}
NONLINEARITY	±0.25% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (0.036% of R.O./°C)
COMPENSATED TEMP.	60 to 160°F (16 to 71°C)
OPERATING TEMP.	0 to 160°F (-18 to 71°C)
MATERIAL (FLEXURE)	COPPER ALLOY
CABLE: #30 AWG, 4 Conductor Braided Teflon w/ JST PHR-5 Connector	

NOTES:

1. THE SHRINK TUBING SIZE SHALL BE SELECTED AND SHRUNK SO THAT THE BRAID SLEEVING ASSEMBLY IS ABLE TO SLIDE ALONG CABLE.
2. ASSEMBLY SHALL BE NON-FERROUS.
3. TERMINALS SHALL ONLY BE CRIMPED BY MANUFACTURER SPECIFIED TOOLS.
- △ 4. COMPLETE ASSEMBLY IS RoHS COMPLIANT.
- △ 5. SHIELD TO BE GROUNDED TO SENSOR BODY.

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MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

△ 7-28-08

△ 5-19-09

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- SURFACE FINISH \sqrt{R} OR BETTER
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING
- CRITICAL DIMENSION $\langle \rangle$

ANGLE:

±1/2°

CHAMFER:

±5°

TOLERANCE:

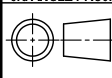
.X ±0.1"

.XX ±0.01"

.XXX ±0.005"

.XXXX ±0.001"

3rd ANGLE PROJ.



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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

CAGE: 1X8M6

MODEL: QLA299

DWG No.: FO1219-B

DRAWN BY: T.LEE

CHECKED BY: -

APPROVED BY: R.WALKER

DATE: JULY 15, 2008