

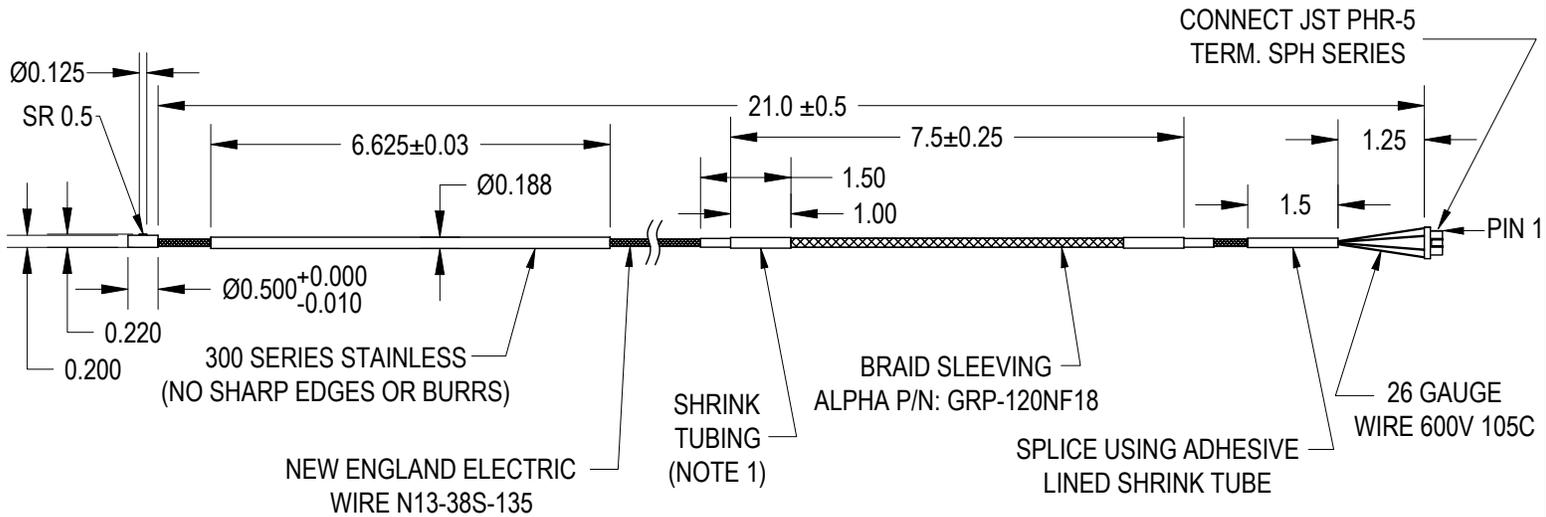
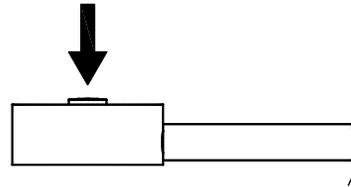
FUTEK MODEL QLA299

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:

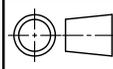
1. THE SHRINK TUBING SIZE SHALL BE SELECTED AND SHRUNK SO THAT THE BRAID SLEEVING ASSEMBLY IS ABLE TO SLIDE ALONG CABLE.
2. ASSEMBLY SHALL BE NON-FERROUS.
3. TERMINALS SHALL ONLY BE CRIMPED BY MANUFACTURER SPECIFIED TOOLS.
- ⚠ 4. COMPLETE ASSEMBLY IS RoHS COMPLIANT.
- ⚠ 5. SHIELD TO BE GROUNDED TO SENSOR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

MATERIAL:	—
HEAT TREATMENT - FINISH:	—
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 $\langle \quad \quad \quad \rangle$

3rd ANGLE PROJ.



ANGLE:
±1/2°

CHAMFER:
±5°

TOLERANCE:
.X ±0.1"
.XX ±0.01"
.XXX ±0.005"
.XXXX ±0.001"

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CAGE: 1X8M6

MODEL: **QLA299**

DRAWN BY: T.LEE

APPROVED BY: R.WALKER

DWG No.: **F01219-B**

CHECKED BY: —

DATE: **JULY 15, 2008**