

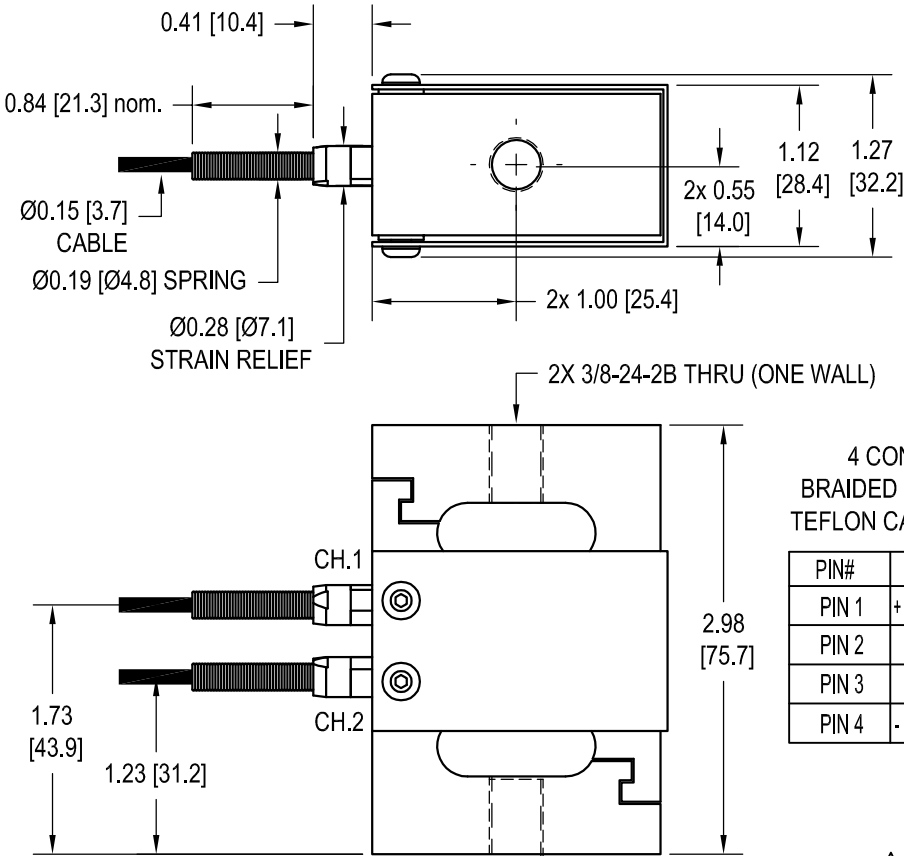
FUTEK MODEL QLA284

ITEM NUMBER: QSH00886

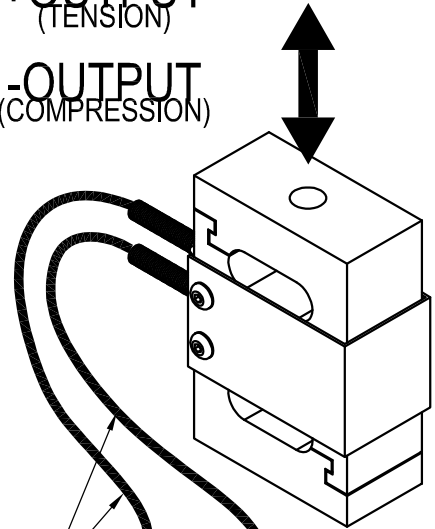
S-BEAM TENSION & COMPRESSION LOAD CELL

w/ OVERLOAD PROTECTION & REDUNDANT BRIDGE

INCH (mm) | R.O.= Rated Output



+OUTPUT
(TENSION)
-OUTPUT
(COMPRESSION)



24AWG,
4 CONDUCTOR,
BRAIDED SHIELDED
TEFLON CABLE, 18in.

PIN#	WIRING	COLOR
PIN 1	+ EXCITATION	RED
PIN 2	+ SIGNAL	GREEN
PIN 3	- SIGNAL	WHITE
PIN 4	- EXCITATION	BLACK

M27500-22RC3S06
22AWG Wire, 18in.

SPECIFICATIONS:

RATED OUTPUT	±10 VDC
CAPACITY	200 lb
SAFE OVERLOAD	2125 lb
ZERO BALANCE	±1% of R.O.
EXCITATION (AMPLIFIER)	12.5-26 VDC
BRIDGE RESISTANCE (SENSOR)	1000Ω nom.
NONLINEARITY	±0.1% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.01% of R.O.
TEMP. SHIFT ZERO	±0.005% of R.O./°F
TEMP. SHIFT SPAN	±0.005% of LOAD/°F
COMPENSATED TEMP.	32 to 120°F
OPERATING TEMP.	32 to 158°F
MATERIAL	Anodized Aluminum
WEIGHT	0.5 lb (w/o cables and amplifiers)

PIN#	WIRING	COLOR
PIN 6	Gnd (-)	WHITE w/ BLUE STRIPE
PIN 8	Vout (+)	WHITE or WHITE w/ GREEN STRIPE
PIN 9	Vin (+)	WHITE w/ ORANGE STRIPE

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

2/6/2014

2/14/2014

4/3/2014

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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CAGE: 1X8M6

MODEL: QLA284

DRAWN BY: H. AU

APPROVED BY: R. WALKER

DWG No.: F01176-C

CHECKED BY: J. VARGAS

DATE: MAY 16, 2007