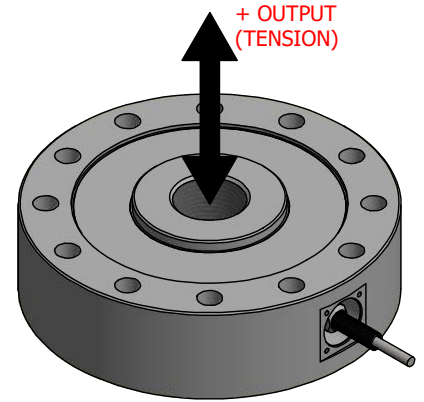
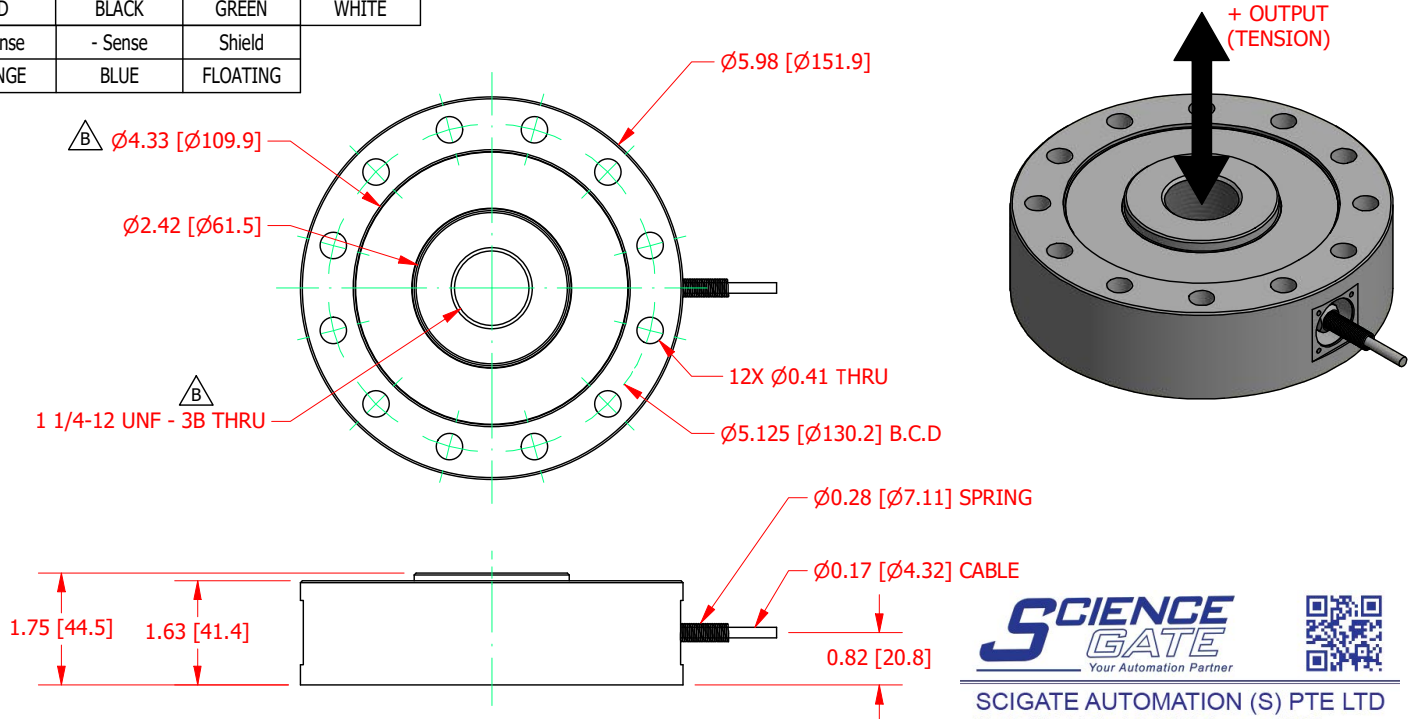


# FUTEK MODEL LCF500 (QLA122)

ITEM NUMBER: SEE CHART

LOW PROFILE UNIVERSAL  
PANCAKE LOAD CELL W/  
INTERNAL STRAIN RELIEF  
PREVIOUSLY L2900-Q11307

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
+ Sense	- Sense	Shield	
ORANGE	BLUE	FLOATING	



SCIGATE AUTOMATION (S) PTE LTD

No. 1 Bukit Batok Street 22 #01-01 Singapore 659592  
Tel: (65) 6561 0488 Fax: (65) 6562 0588  
Email: sales@scigate.com.sg Web: www.scigate.com.sg

Business Hours: Monday - Friday 8.30am - 6.15pm

## SPECIFICATIONS:

RATED OUTPUT	SEE CHART $\triangle_B$
CAPACITY	SEE CHART $\triangle_B$
SAFE OVERLOAD	SEE CHART $\triangle_B$
ZERO BALANCE	SEE CHART $\triangle_B$
EXCITATION (VDC OR VAC)	20 MAX
BRIDGE RESISTANCE	350 $\Omega$ nom.
NONLINEARITY	$\pm 0.12\%$ of R.O.
HYSTERESIS	$\pm 0.12\%$ of R.O.
NONREPEATABILITY	$\pm 0.02\%$ of R.O.
TEMP. SHIFT ZERO	SEE CHART $\triangle_B$
TEMP. SHIFT SPAN	$\pm 0.002\%$ of LOAD/ $^{\circ}$ F ( $\pm 0.004$ of LOAD/ $^{\circ}$ C)
COMPENSATED TEMP.	60 to 160 $^{\circ}$ F (16 to 71 $^{\circ}$ C)
OPERATING TEMP	-60 to 200 $^{\circ}$ F (-51 to 93 $^{\circ}$ C)
MATERIAL	17-4 PH S.S.
DEFLECTION	SEE CHART $\triangle_B$
CABLE: #28 Awg 6 Conductor Braided Shielded Polyurethane Cable, 5 ft [1.5 m] Long	$\triangle_B$
RoHS Compliance	EU2015/863 $\triangle_B$

SPECIFICATION	QSH01958	QSH02266
RATED OUTPUT	4 mV/V	2 mV/V
CAPACITY	50000 lb.	12500 lb.
SAFE OVERLOAD	150% of R.O.	300% of R.O.
ZERO BALANCE	$\pm 1\%$ of R.O.	$\pm 2\%$ of R.O.
TEMP SHIFT ZERO	$\pm 0.001\%$ of R.O./ $^{\circ}$ F (0.0018% of R.O./ $^{\circ}$ C)	$\pm 0.002\%$ of R.O./ $^{\circ}$ F (0.0036% of R.O./ $^{\circ}$ C)
DEFLECTION	0.003 [0.076] nom.	0.001 [0.025] nom.

CUSTOMER APPROVAL - COMPANY:

CUSTOMER APPROVAL - NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	12/19/2007
B	12/22/2021

## OUTLINE DRAWING

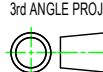
STANDARD NOTES: (Unless Otherwise Specified)

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:  
 $\pm 1/2^{\circ}$

CHAMFER:  
 $\pm 5$

TOLERANCE:  
.X  $\pm 0.1^{\circ}$   
.XX  $\pm 0.01^{\circ}$   
.XXX  $\pm 0.005^{\circ}$



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**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.  
10 THOMAS, IRVINE, CA 92618 USA  
Phone: (949) 465-0900

MODEL: <b>LCF500 (QLA122)</b>	DWG No.: <b>FO1061-B</b>
DRAWN BY: H. AU	CREATED DATE: 8/31/2004
APPROVED BY: R. WALKER	APPROVED DATE: 8/31/2004
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1