

# FUTEK MODEL LSB206

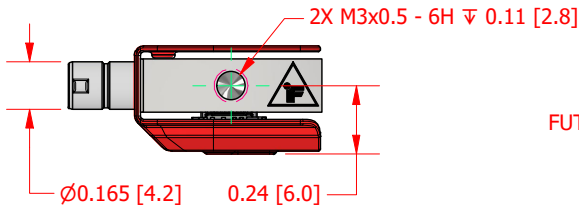
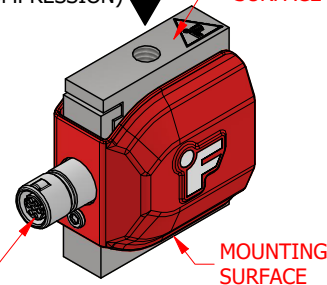
ITEM NUMBER: SEE CHART

# DIGITAL MINITURE JR. S-BEAM LOAD CELL WITH UART OUTPUT



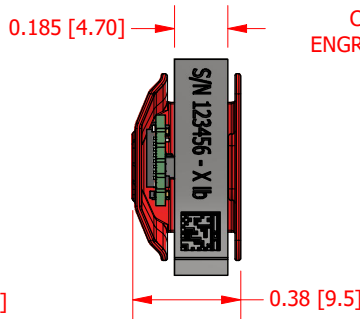
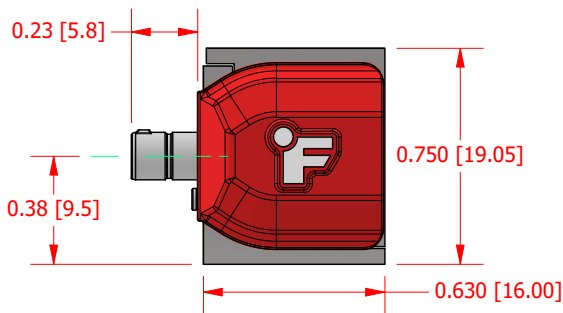
INCH [mm]		R.O.= Rated Output
PIN	FUNCTION	⚠️
1	GND	
3	VIN	
6	Rx	
7	Tx	

+ OUTPUT (TENSION)  
- OUTPUT (COMPRESSION)

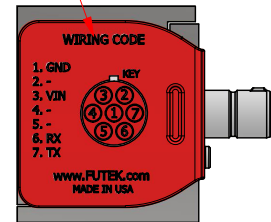


FUTEK 7 Pin Nano Connector

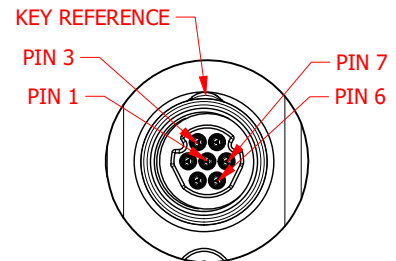
LOADING SURFACE  
MOUNTING SURFACE



COLOR CODE ENGRAVED ON COVER



SPECIFICATIONS:	
OUTPUT CAPACITY	UART SEE CHART
SAFE OVERLOAD	1000 % of R.O. [200% TENSION ONLY (50-100 lb)]
NONLINEARITY	±0.1% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.05% of R.O.
IP RATING	IP40
WEIGHT (approx)	0.03 lb [14.2 g]
MATERIAL	17-4 PH S.S.
ACCESSORIES	FSH04642, UART TO USB ADAPTER (OPTIONAL)
CALIBRATION (STD)	5 pt. TENSION (STANDARD) TENSION & COMPRESSION (AVAILABLE)



SCIGATE AUTOMATION (S) PTE LTD  
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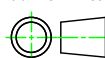
ITEM #	CAP (lb[N])	Noise Free Resolution @ 4 SPS (lb[N])	Noise Free Resolution @ 1300 SPS (lb[N])
FSH04509	1 [4.5]	0.00005 [0.00022]	0.001 [0.004]
FSH04510	2 [9.0]	0.00025 [0.00111]	0.003 [0.013]
FSH04511	5 [22.4]	0.001 [0.004]	0.009 [0.040]
FSH04512	10 [44.8]	0.0016 [0.0071]	0.02 [0.09]
FSH01513	25 [112]	0.004 [0.0178]	0.05 [0.22]
FSH04514	50 [224]	0.005 [0.0223]	0.08 [0.36]
FSH04515	100 [448]	0.008 [0.036]	0.2 [0.9]

- Specifications:**  
Power:  
  - 3 VDC to 5VDC
  - 20-40mV peak-to-peak ripple in pass band
  - 20MHz bandwidth (cutoff 40dB @ 20MHz)
  - Power Consumption: 78mW

CUSTOMER APPROVAL- COMPANY:	
CUSTOMER APPROVAL- NAME / DATE:	
REVISIONS: (Refer to dwg # revision sheet)	
A	7/13/2022

## 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



ANGLE:  
± 1/2°

CHAMFER:  
± 5°

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

# FUTEK

www.futek.com

MODEL: <b>LSB206</b>	DWG No.: <b>F01576-A</b>
DRAWN BY: M. ILLES	CREATED DATE: 1/6/2022
APPROVED BY: M. LISIAK	APPROVED DATE: 2/11/2022
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1

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