

# FUTEK MODEL QIA125

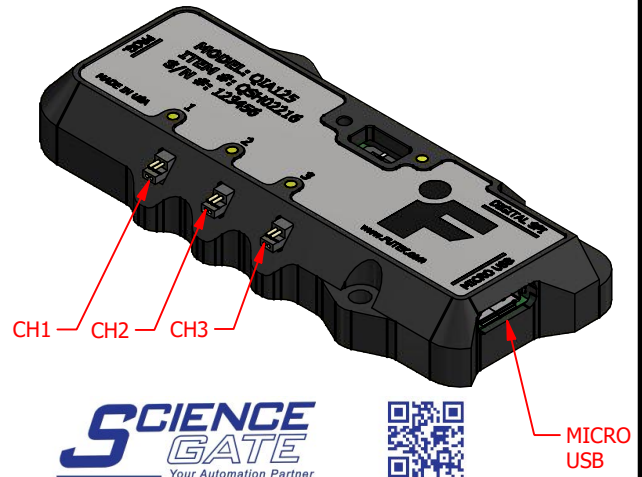
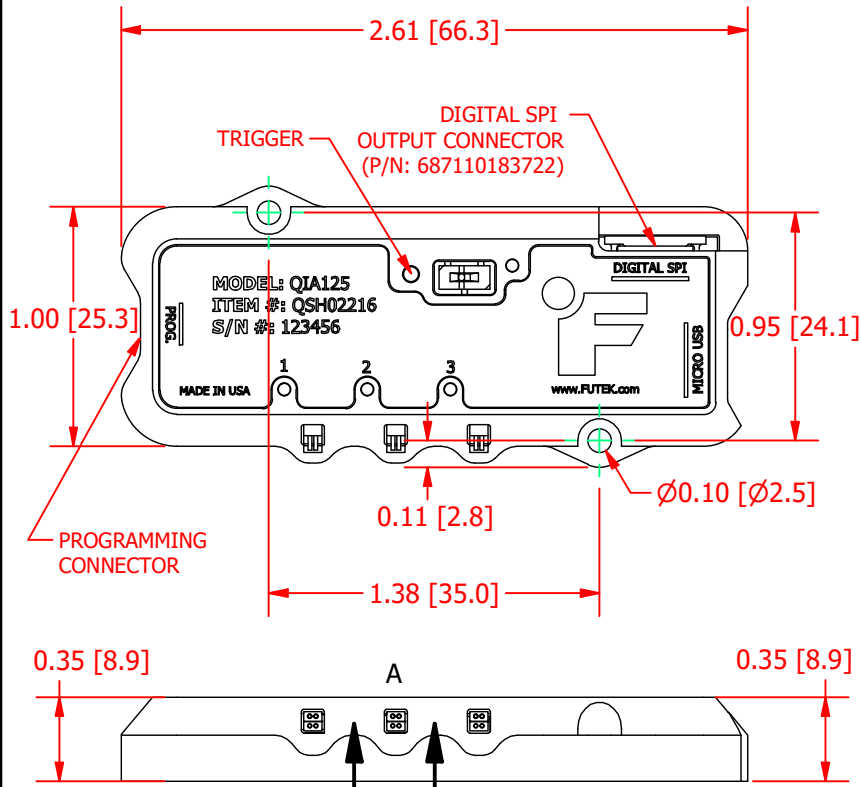
Miniature Low Power 3 Channel Digital Amplifier  
w/ USB & SPI Output and Custom  
Connectorized Enclosure.



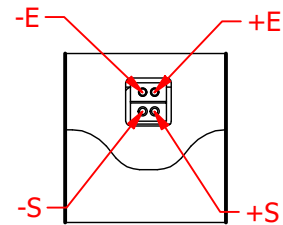
DRAWING NUMBER: FI1543

INCH [mm] | R.O.= Rated Output

Item #: QSH02216, QSH02218



**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

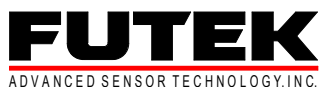


DETAIL A

Specifications:		ITEM #	
		QSH02216	QSH02218
Sensor Input	Excitation	2V	5V
	Bridge Resistance	350Ω- 5000Ω per channel	
	Operating Temperature	-30°C to +80°C (-22°F to +176°F)	
Power	Vin	5VDC +/- 10%	
	Inrush Current	700mA	
	Power Consumption	0.3W	
Digital Output	Sampling	5 SPS - 4800 SPS	
	Noise Free Resolution (±2mv/v)	16.8 bits - 11.4 bits	18.1 bits - 12.7 bits
	Offset Error Drift	5nV/°C	
	Gain Error Drift	1ppm/°C	
SPI Output	Voltage	3.3VDC	
	Clock Speed	4MHz to 8MHz	
	Word Size	8 bits	
	Stored Calibration	12 points per channel	
USB Output	Compatible with FUTEK Software		

DIGITAL SPI OUTPUT CONNECTOR			
PIN	CODE	PIN	CODE
1	VIN	8	CS
2	GND	9	DRDY
3	GND	10	TRIG
4	GND		
5	MISO		
6	MOSI		
7	SCLK		

PROGRAMMING CONNECTOR	
PIN	CODE
1	MCLR
2	3V3
3	GND
4	DAT
5	CLK
6	N/C



This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK

10 THOMAS  
IRVINE, CA 92618 USA  
+1 (949) 465-0900

INTERNET:  
<http://www.futek.com>  
SHEET 1 OF 1