

# FUTEK MODEL QIA125

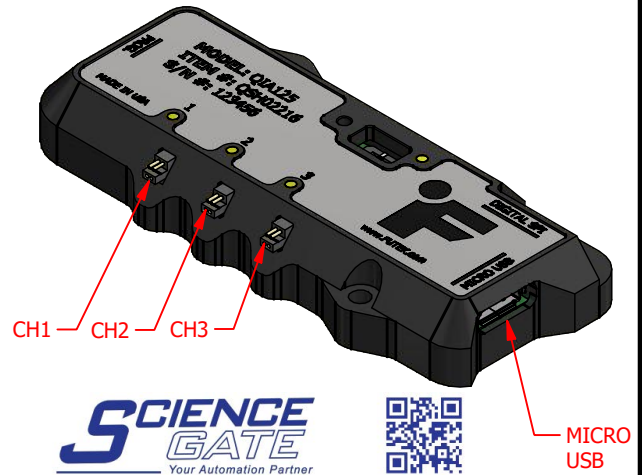
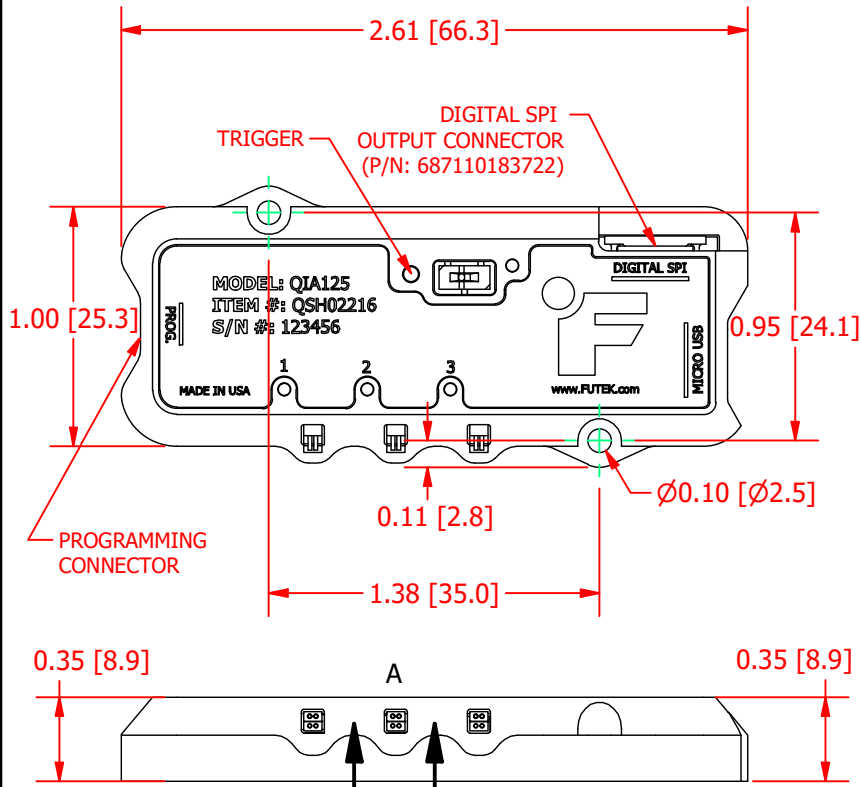
Miniature Low Power 3 Channel Digital Amplifier  
w/ USB & SPI Output and Custom  
Connectorized Enclosure.



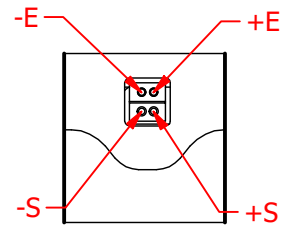
DRAWING NUMBER: FI1543

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

Item #: QSH02216, QSH02218



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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



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