

DB9 female connector
RS-232C serial interface;
Baud rate: 9600
Data: 8 bits
1 STOP
NO PARITY

+Vdc
(+12Vdc ÷ +24Vdc;
Imax=55mA@+12Vdc)

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Title: 12 buttons keypad; rear mounting; with RS-232 interface
P/N: **DGI.12R17.R-D** Rev: **1** File: DGI.12R17.R-D (Data sheet).idw

Date: 02/12/2013

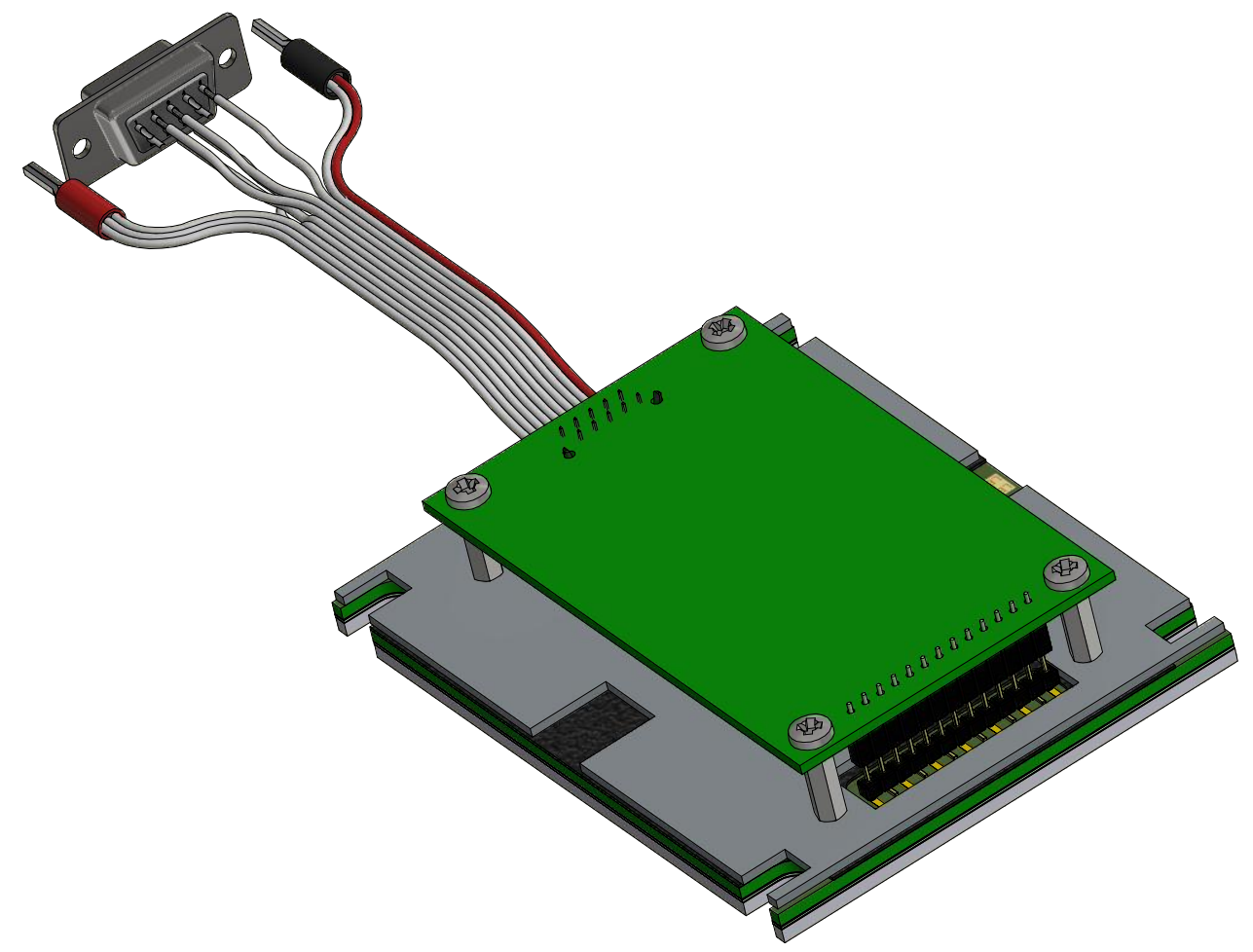
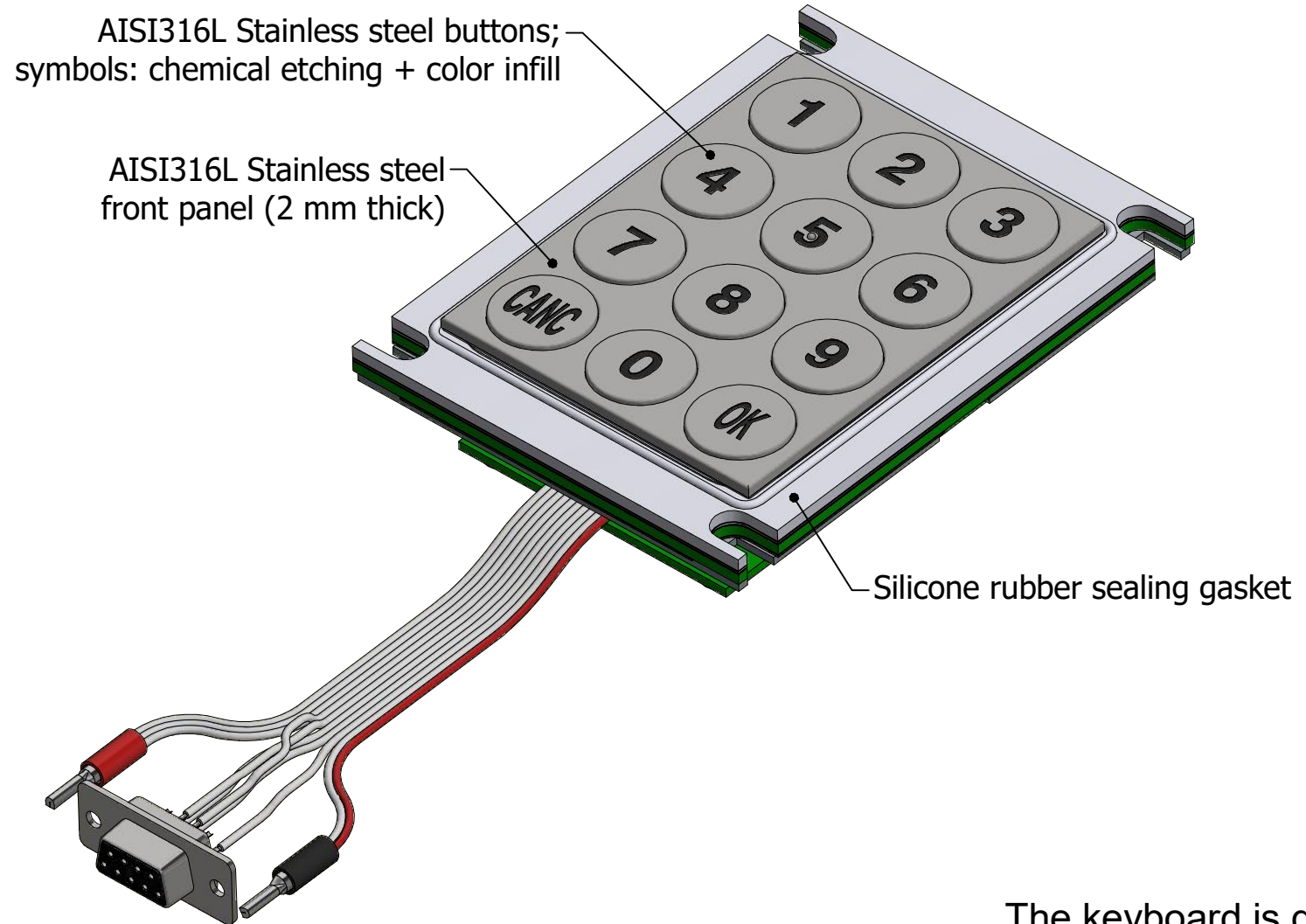
Dimensions without indicated tolerances - precision according to: ISO 2768 M	Tolerance class	Lenght (mm)				Drawn: A. Tosi Approved:
		>0 - 6	>6-30	>30-120	>120-400	
	C (Coarse)	± 0.2	± 0.5	± 0.8	± 1.2	
	M (medium)	± 0.1	± 0.2	± 0.3	± 0.5	
	F (Fine)	± 0.05	± 0.1	± 0.15	± 0.2	

REV	Description	Date	Signed
1	RS-232 board 180° rotated for PCB improvements	14/12/2017	A.Tosi

Material: -	Surface treatment: -	Sheet: 1	Of: 2	
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS

REV	Description	Date	Signed
1	RS-232 board 180° rotated for PCB improvements	14/12/2017	A.Tosi



Material	AISI 316L Stainless Steel (2,00 mm thick) front plate; AISI 316L Stainless steel (1,5 mm thick) buttons with built-in silicone rubber sealing gasket
Lettering	Chemical etching and colour filling (epoxy paint)
Button stroke	0,6 mm +/- 0,1 mm
Actuation force	4,0 N (typical)
Life expectancy	>3.000.000 cycles
IP Protection rate	IP65
Impact Protection Rate	IK08
Contact technology	Stainless steel metal dome on Gold plated PCB
Connection	DB9 female connector; RS232C Serial Interface Baud rate 9600; 8 data bits; 1STOP; NO PARITY
Power supply	+12Vdc ÷ +24Vdc; I _{max} =55mA @ +12Vdc
Operating temperature	-25°/+85°C
Storage temperature	-25°/+85°C

The keyboard is designed to input an alphanumeric code and to send it to a remote host system. The keyboard is provided with a built in RS232C serial interface with following configuration: baud rate 9600; 8 data bit; NO parity; 1 STOP bit. The transmission buffer on the keyboard has a maximum capacity of 80 characters; for current application, buffer size is permanently set to 6 chars. When a key is pressed, the buffer is loaded with a byte corresponding to the **ASCII code of the key**; when the CANCEL key is pressed, the buffer is deleted. Typing on the keyboard generates a confirming beep from the internal buzzer. When the ENTER key is pressed, the interface sends buffer content to the remote host system and clears the buffer.

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Date: 02/12/2013	Dimensions without indicated tolerances - precision according to: ISO 2768 M			Drawn: A.Tosi		
		Tolerance class	Lenght (mm)			
			>0 - 6	>6-30	>30-120	>120-400
Material:		C (Coarse)	± 0.2	± 0.5	± 0.8	± 1.2
	Surface treatment:	M (medium)	± 0.1	± 0.2	± 0.3	± 0.5
		F (Fine)	± 0.05	± 0.1	± 0.15	± 0.2
		Sheet: 2	Of: 2			

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