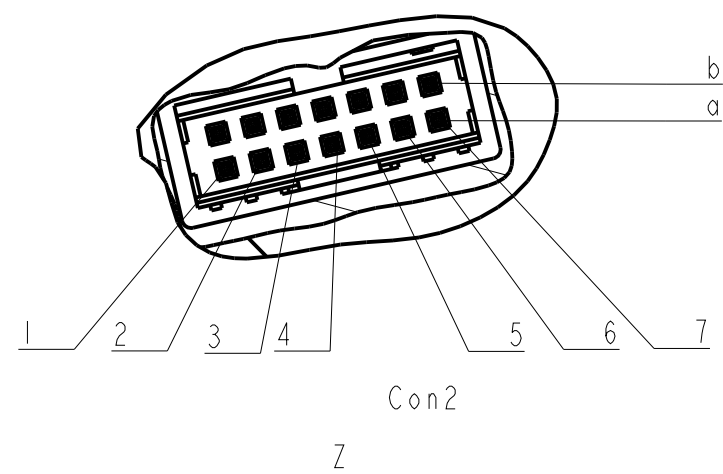
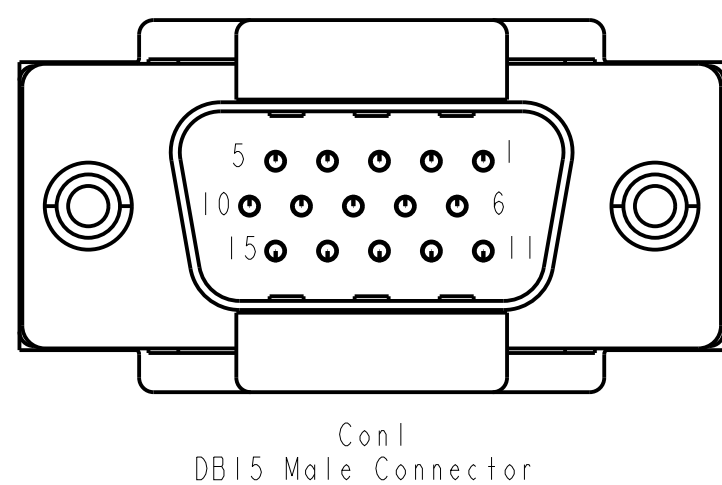
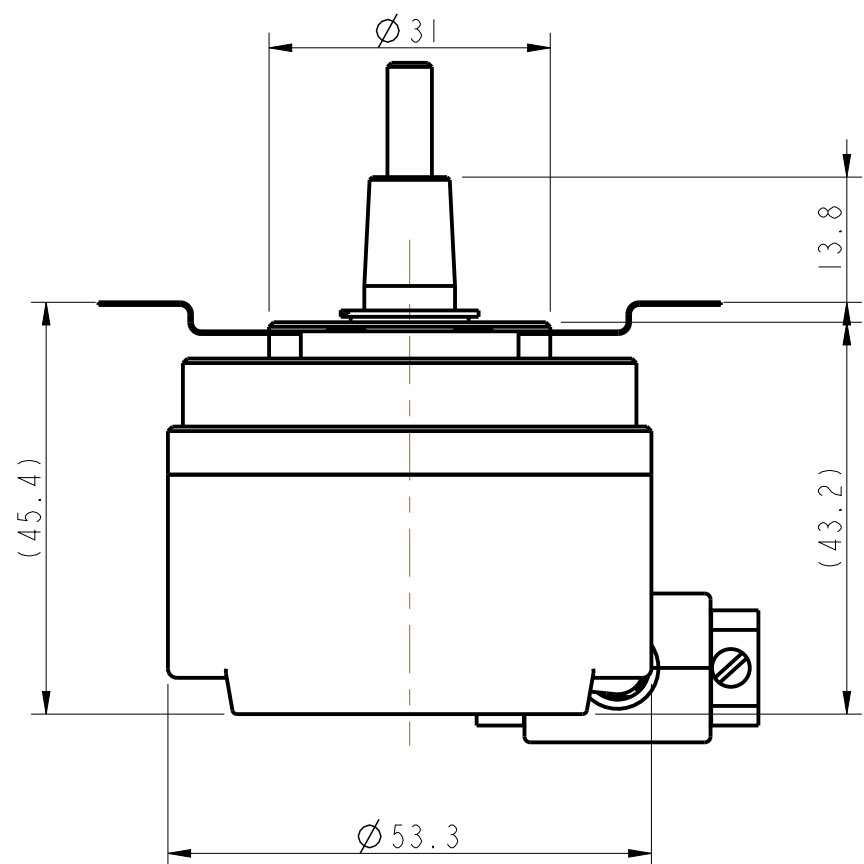
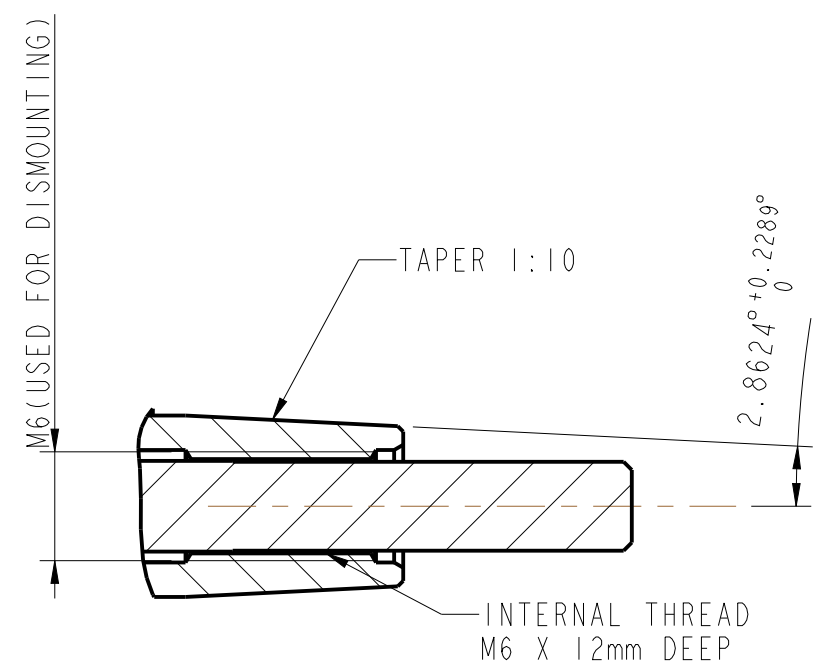
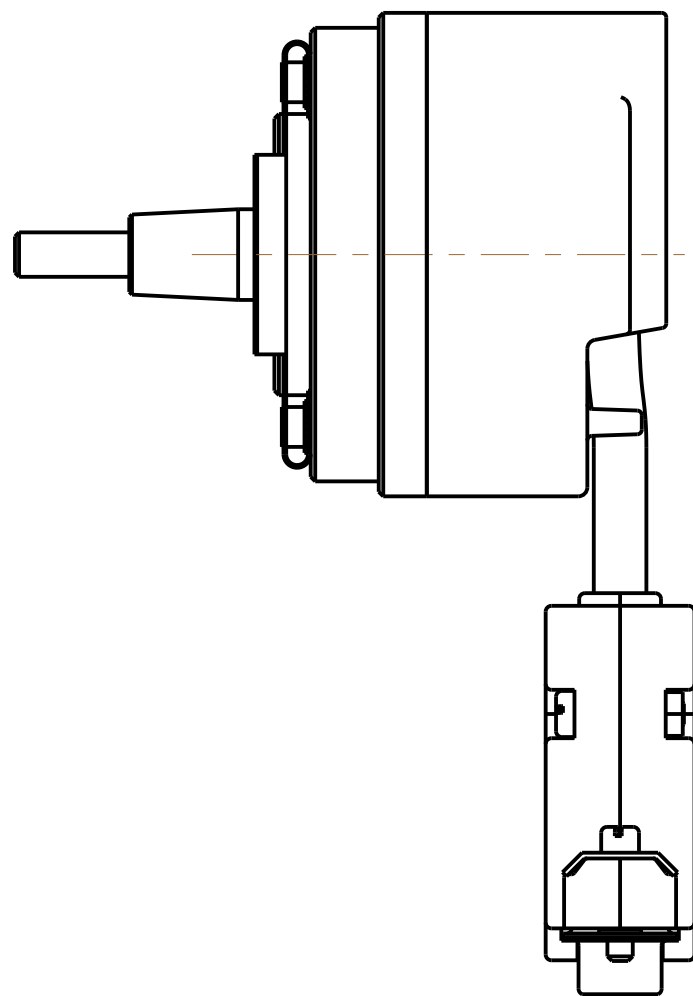
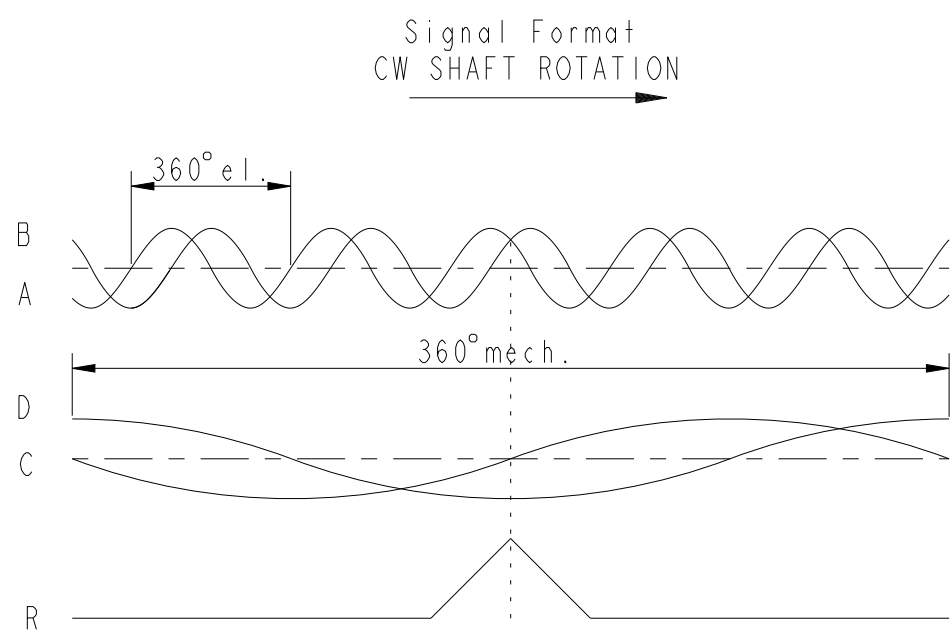


REV	ECN	DATE	APPROVED



Con1	Con2		
PIN	PIN	Color	Function
10	1a	BRN	C-
9	1b	GRY/PNK	5V
6	2a	YLW	A-
12	2b	BLK	D+
-	3a	-	-
8	3b	BLU	B+
4	4a	PNK	R-
3	4b	GRY	R+
1	5a	RED	B-
7	5b	WHT/GRN	GND
13	6a	VIO	D-
5	6b	GRN	A+
-	7a	-	-
11	7b	WHT	C+
SHELL	-	-	SHIELD

Electrical Data:
Code: Incremental with sin/cos interface
Number of pulses: 2048
Operating Voltage: $5 \pm 10\%$ VDC
No-load supply current: 150mA max
Output Signals: sin/cos 1Vpp
Maximum Response Frequency: 180 kHz
Mechanical Data:
Weight: 200g typ.
Dimensions:
Outside Diameter with cover: 53.3mm; Mounting depth: 45.4mm
Material:
Bearing housing: aluminium;
Cover: aluminium;
Shaft: stainless steel
Shaft Diameter: 9.25mm nominal tapered 1:10
Mating Shaft Runout: ± 0.1 mm max.
(Includes shaft perpendicularity to mounting surface)
Mating Shaft Axial movement: max. ± 0.4 mm
Max. Velocity: RPM = (Frequency/PPR) x 60; or 1465 RPM,
or 1465 RPM, whichever is less;
Environmental:
Operating Temperature: -20°C to $+100^{\circ}\text{C}$
Storage Temperature: -40°C to $+120^{\circ}\text{C}$
Shock: 100 Gs for 11 msec duration
Vibration: 10 Gs at 5 to 2000 Hz
Relative Humidity: 95% non-condensing
Enclosure Rating: IP 41 (Cable needs to be oriented downwards)



TOLERANCES UNLESS INDICATED:			UNITS: mm		TITLE OUTLINE & SPEC, RS20 OPTI2			
.XXX	.XX	ANGLES	MATERIAL:		FILE NAME:	SCALE:	COMPLIANCE REQUIRED	
±	±	±	FINISH:		703199-0003	/	☐ UL ☐ CSA ☐ CE ☐ TUV ☐ FCC ☐ VCCI ☐ RoHS ☐ ATEX	
/	/	/			DRAWN:	DATE:	PROJ# MODEL: 703199-0003	
 2017 D.T.C. "C" SIZE HENGSTLER			DEVIN		2017-02-27	APPLICATION: RS20 OPT09		
			CHECKED:		DATE:	DRAWING NUMBER		
			ERIC		2017-02-27			
			RELEASED:		DATE:			
			YC		2017-02-27	703199-0003		
						REV		
						I		