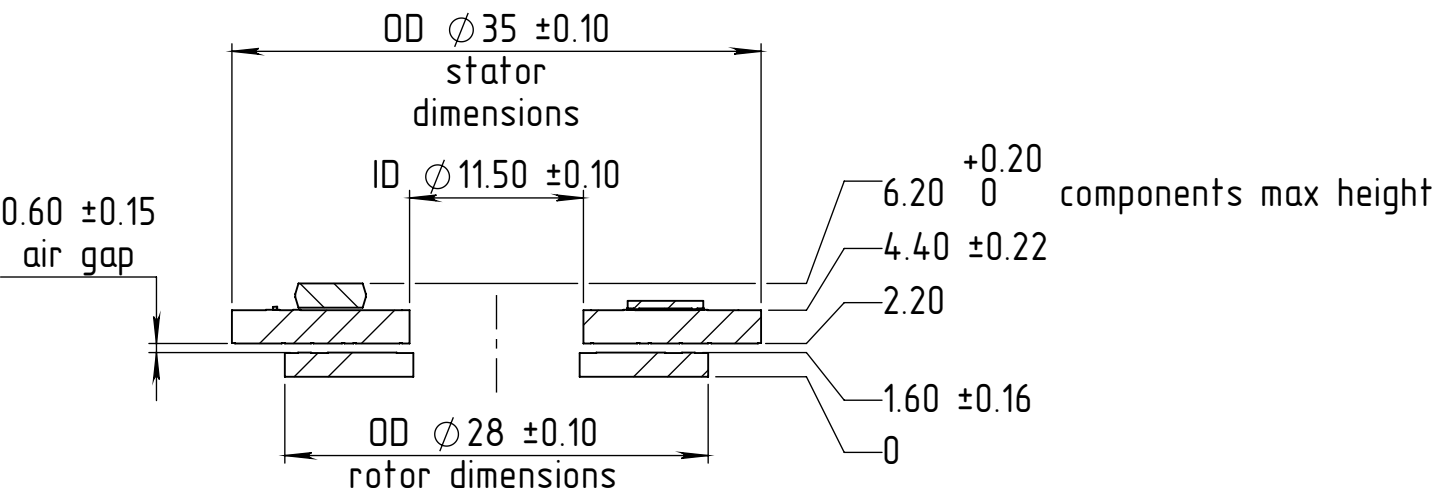
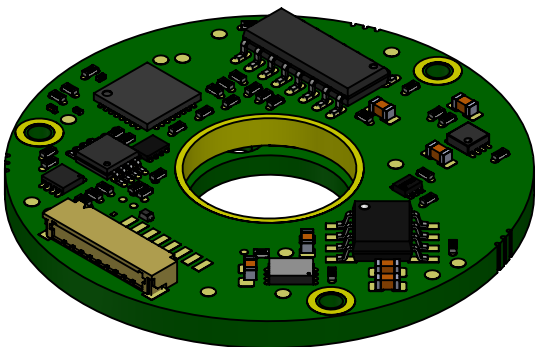


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	DRAWN

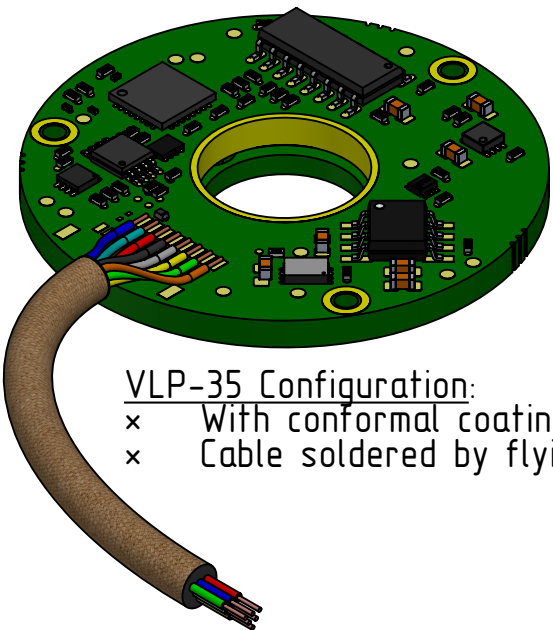


SECTION A-A
encoder dimensions

For rotor options see page 2

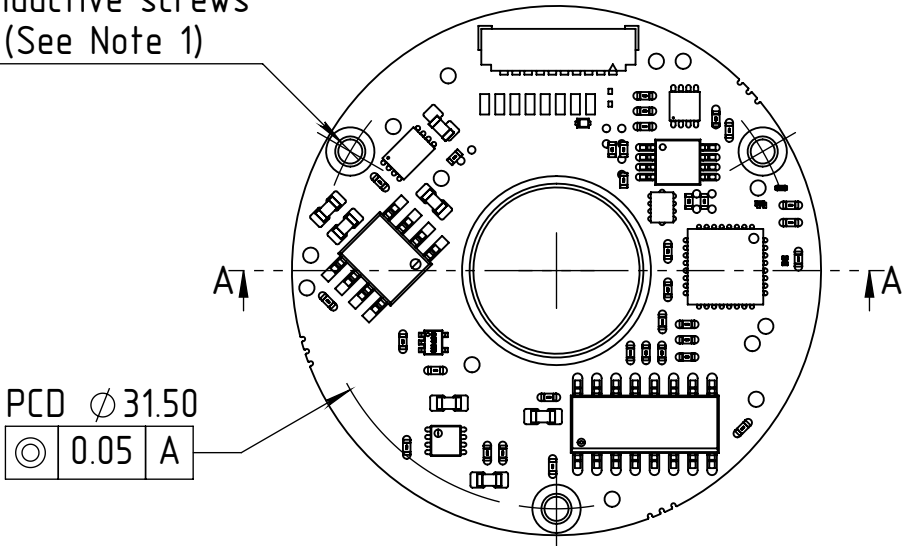


- VLX-35 Configuration:
- x Without coating
 - x Connector DF-10S-0.8C on-board (cable with pairing connector DF-10P is available as an accessory)



- VLP-35 Configuration:
- x With conformal coating
 - x Cable soldered by flying leads

Ø1.60 typ.3
for M1.6
conductive screws
(See Note 1)

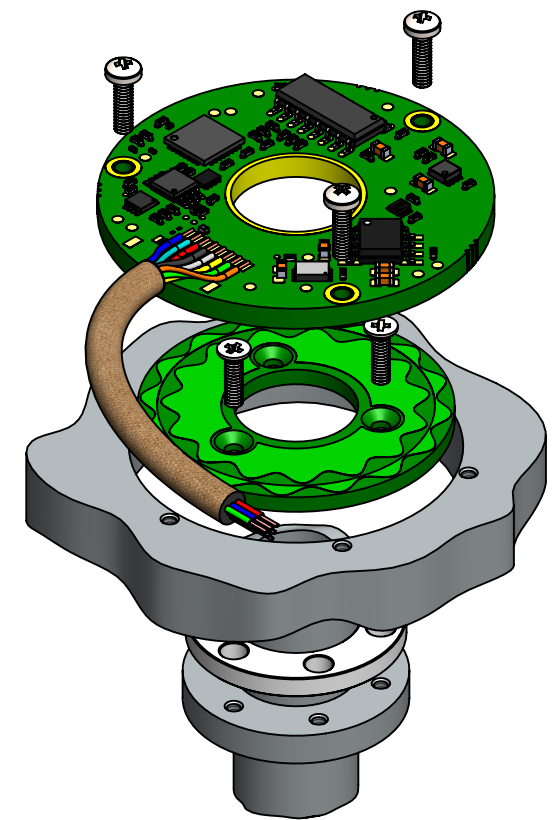
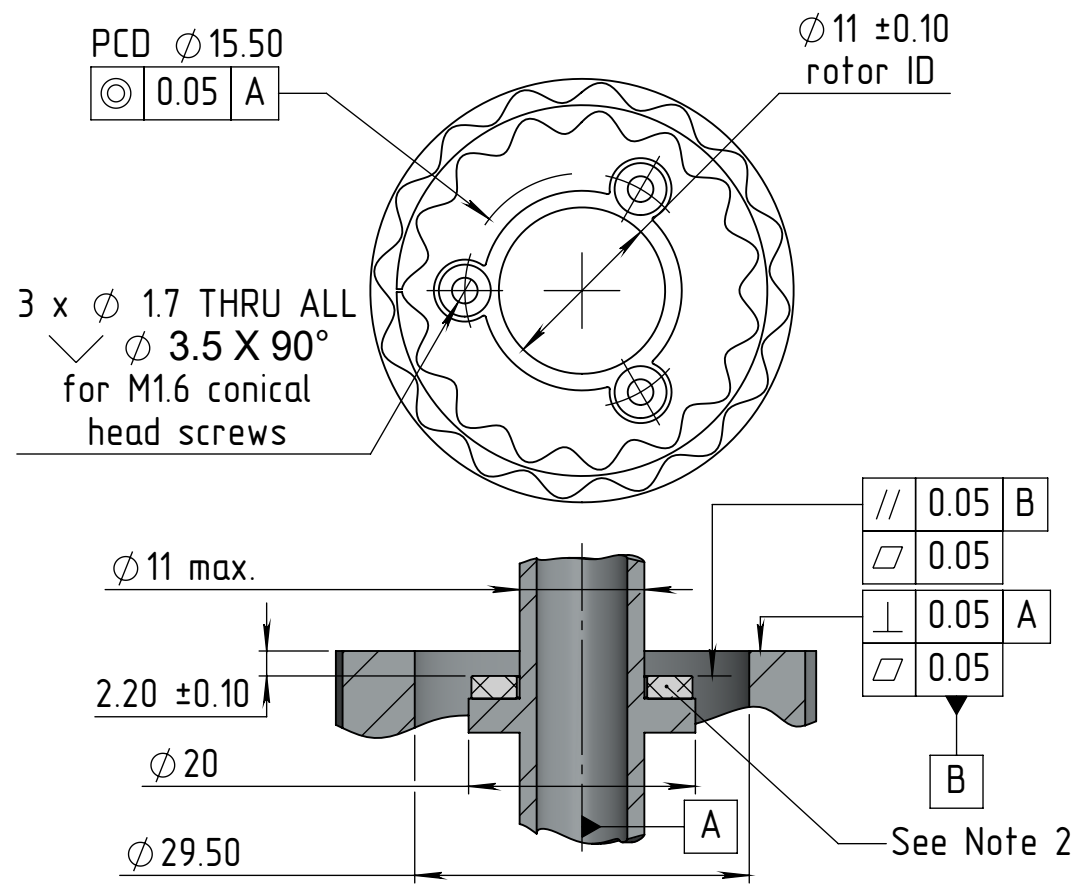


Stator mounting

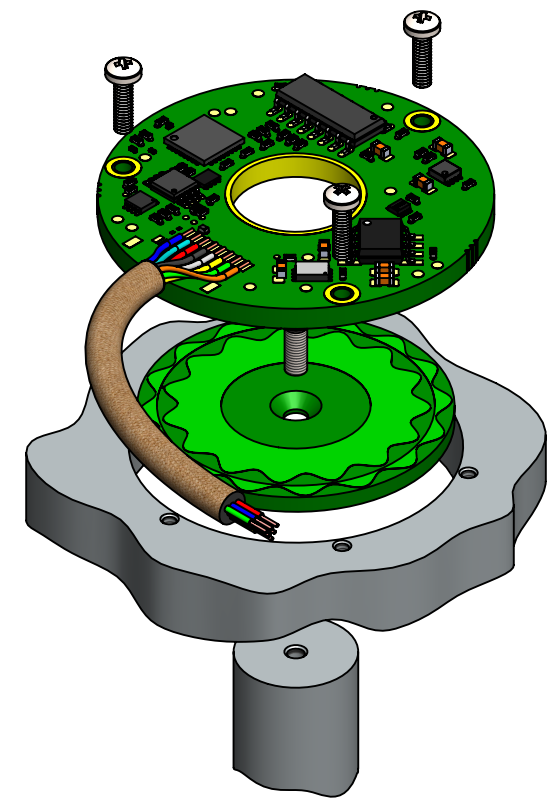
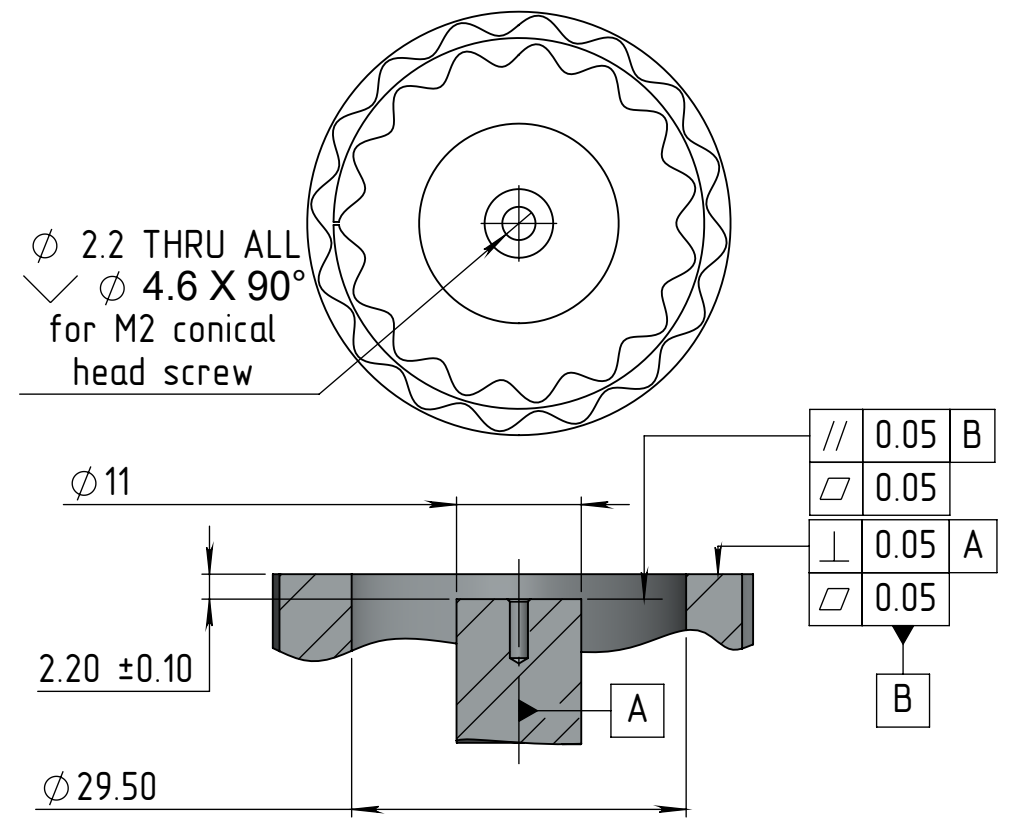


Notes:
1. It is important to use conductive screws for the stator mounting for PCB grounding.

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	NAME	SIGNATURE	DATE
DRAWN	Michael Agami	MA	24-Apr-2025
CHK'D			
APPV'D			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN: mm 0.5 - 4.9: ±0.05 mm 31 - 120: ±0.15 mm 401 - 1000: ±0.3 mm Between holes: ±0.05 mm On all edges make chamfer 0.1 mm x 45° SURFACE FINISH: N6 5 - 30: ±0.1 mm 121 - 400: ±0.2 mm 1001 - 2000: ±0.5 mm Angles: ±0.5°			
 Precision Position Sensors A.C.S. Ltd. TITLE: VL-35 Mechanical Interface MATERIAL: PROJECT: VL-35 CAT NO.: VL-35 ICD Coating: Revision: 00  SCALE: 2:1 A3 SHEET 1 OF 2			



Hollow rotor option



Single screw rotor option

- Notes:**
2. In both options it has to be 2 mm or thicker air gap or adapter mad of non-conductive material below the rotor lower surface between diameters 13.2 and 28 mm — to prevent parasitic capacitance.
 3. Screws closing torques — per screws spec.
 4. The specified base and shaft diameters are recommended but not mandatory.
 5. Both stator and rotor are positioned and centered by screws only.

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	NAME	SIGNATURE	DATE
DRAWN	Michael Agam	MA	24-Apr-2025
CHK'D			
APPV'D			
UNLESS OTHERWISE SPECIFIED:			
DIMENSIONS ARE IN: mm		SURFACE FINISH: N6	
0.5 - 4.9: ±0.05 mm		5 - 30: ±0.1 mm	
31 - 120: ±0.15 mm		121 - 400: ±0.2 mm	
401 - 1000: ±0.3 mm		1001 - 2000: ±0.5 mm	
Between holes: ±0.05 mm		Angles: ±0.5°	
On all edges make chamfer 0.1 mm x 45°			
TITLE: VL-35 Mechanical Interface			
MATERIAL:		Coating:	SCALE: 1.5:1
PROJECT: VL-35		Revision :	A3
CAT NO.: VL-35 ICD			SHEET 2 OF 2