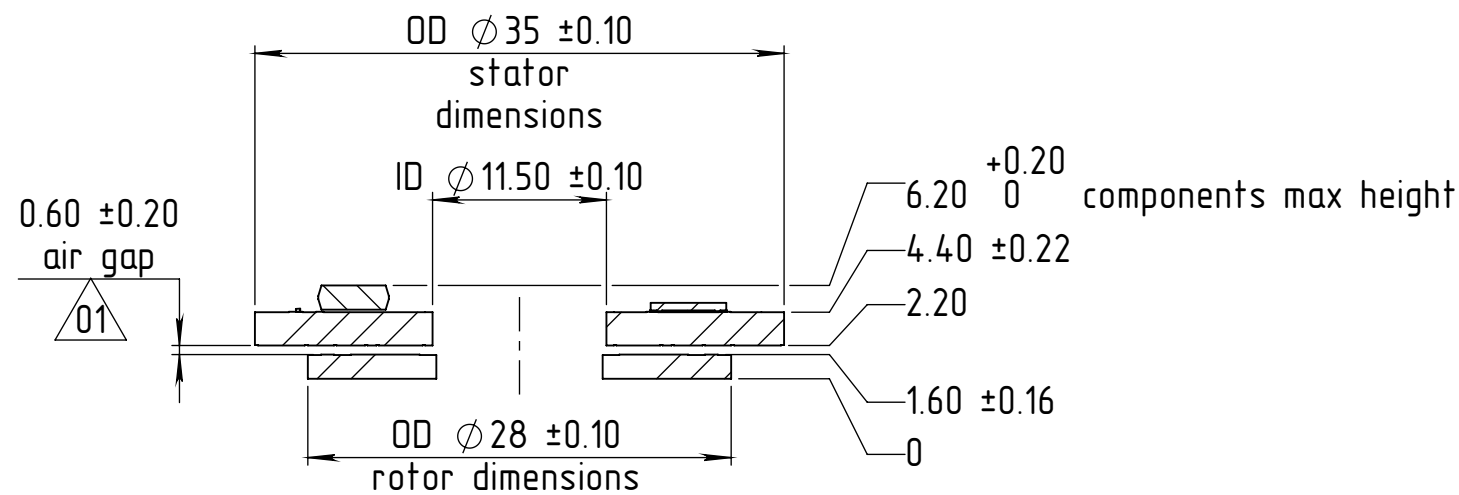


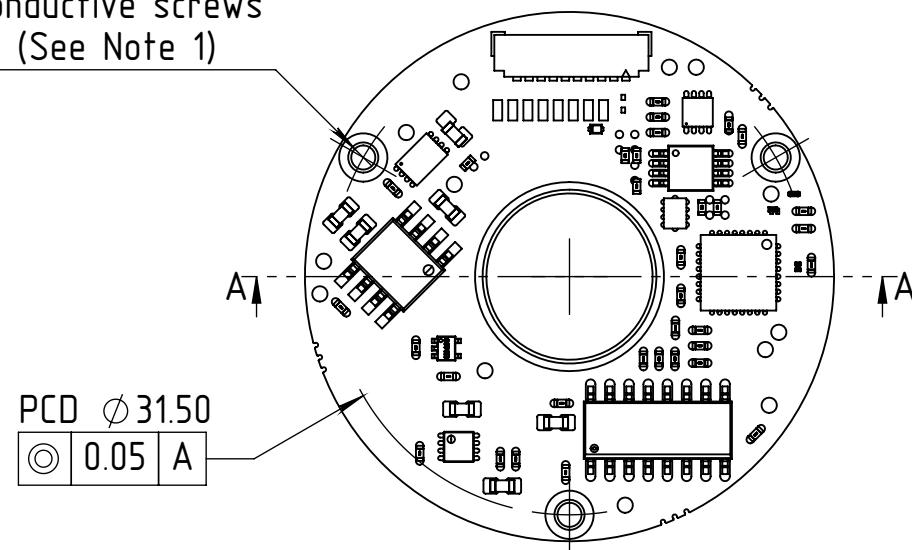
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	DRAWN
B1	01	Axial tolerance was allowed to ±0.2	05-Aug-2025	Michael A.



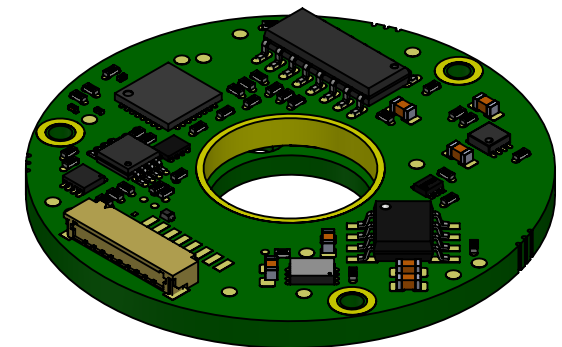
SECTION A-A  
encoder dimensions

For rotor options see page 2

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

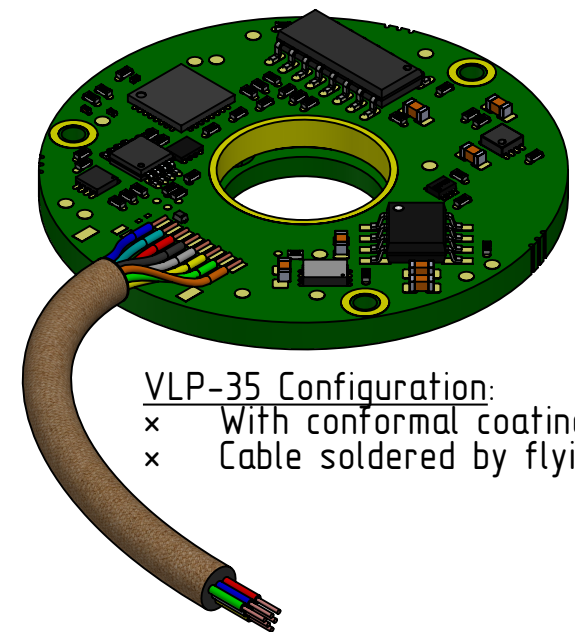


Stator mounting



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:

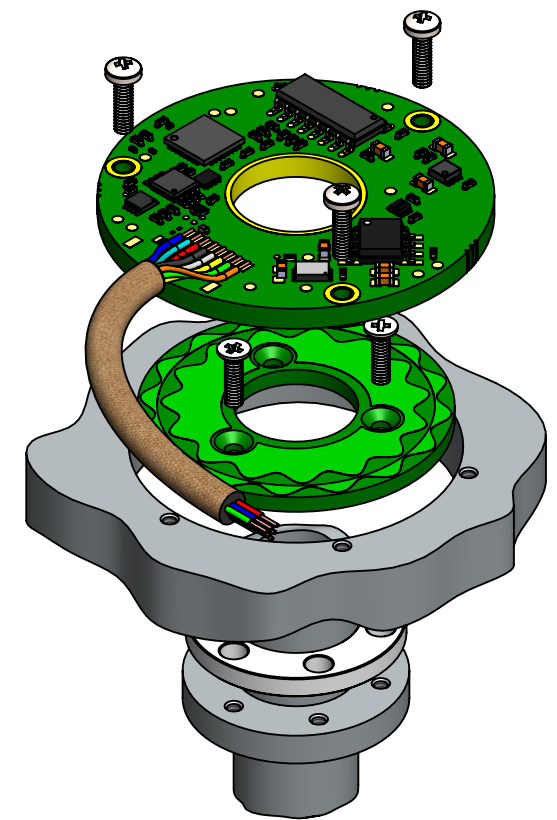
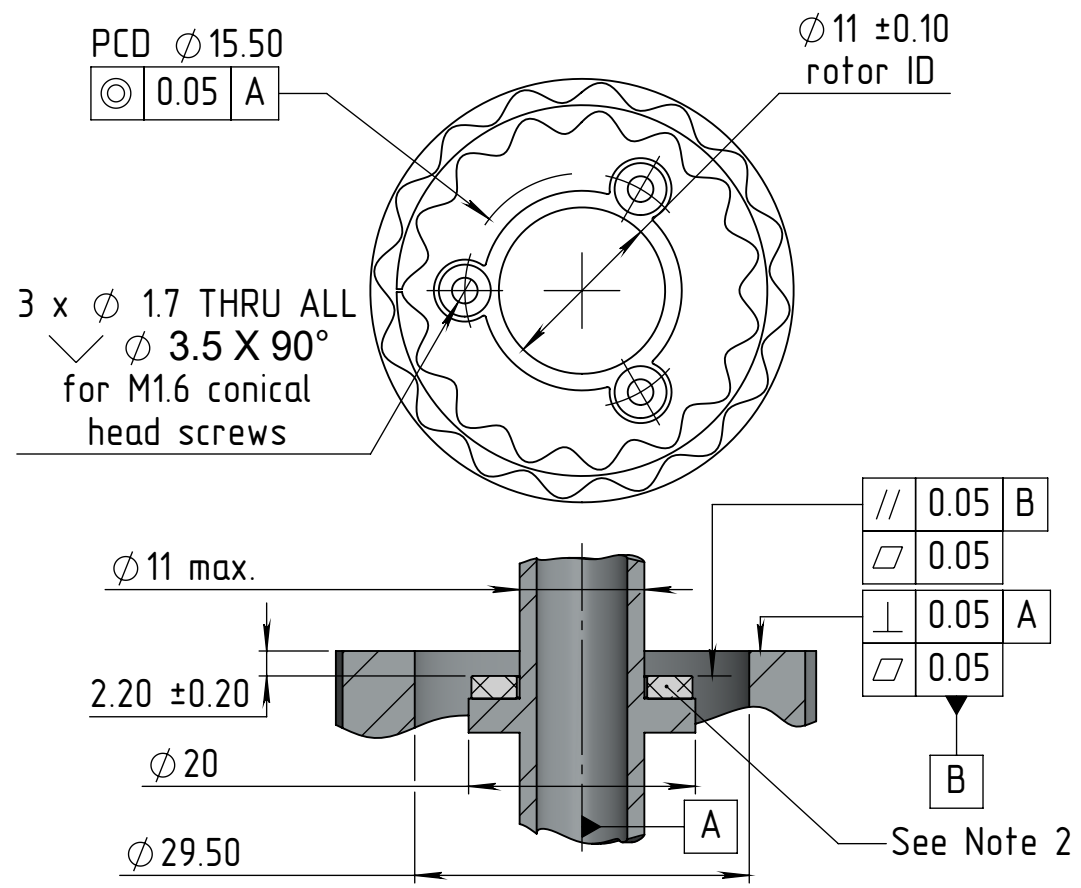
- x With conformal coating
- x Cable soldered by flying leads



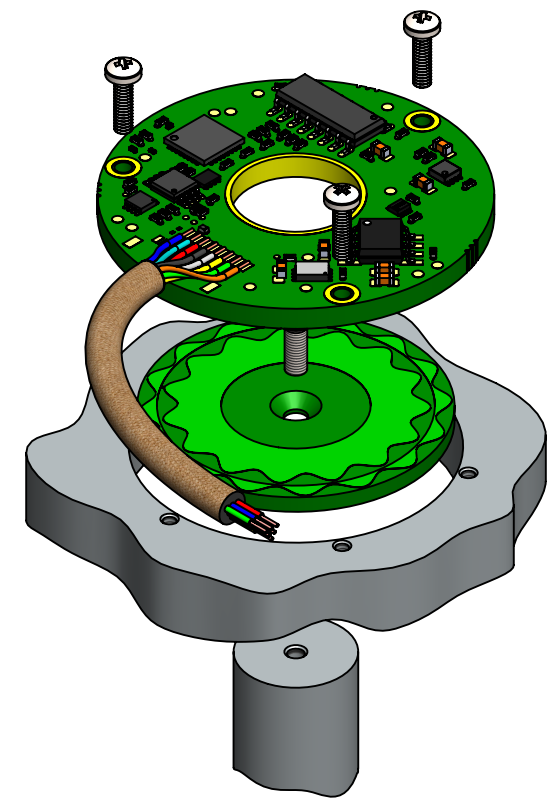
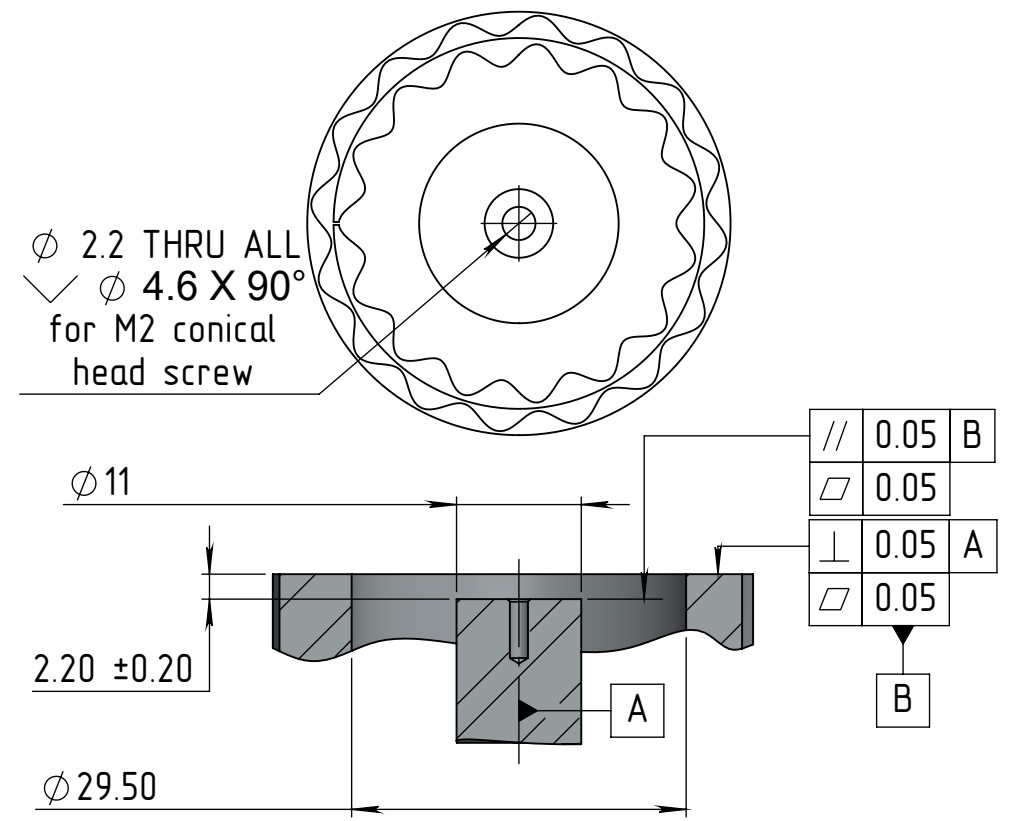
Notes:

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:			TITLE: VL-35 Mechanical Interface
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°			
MATERIAL:			Coating:
PROJECT: VL-35			Revision: 01
CAT NO.: VL-35 ICD			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: 01 A3

CAT NO.: VL-35 ICD SHEET 2 OF 2