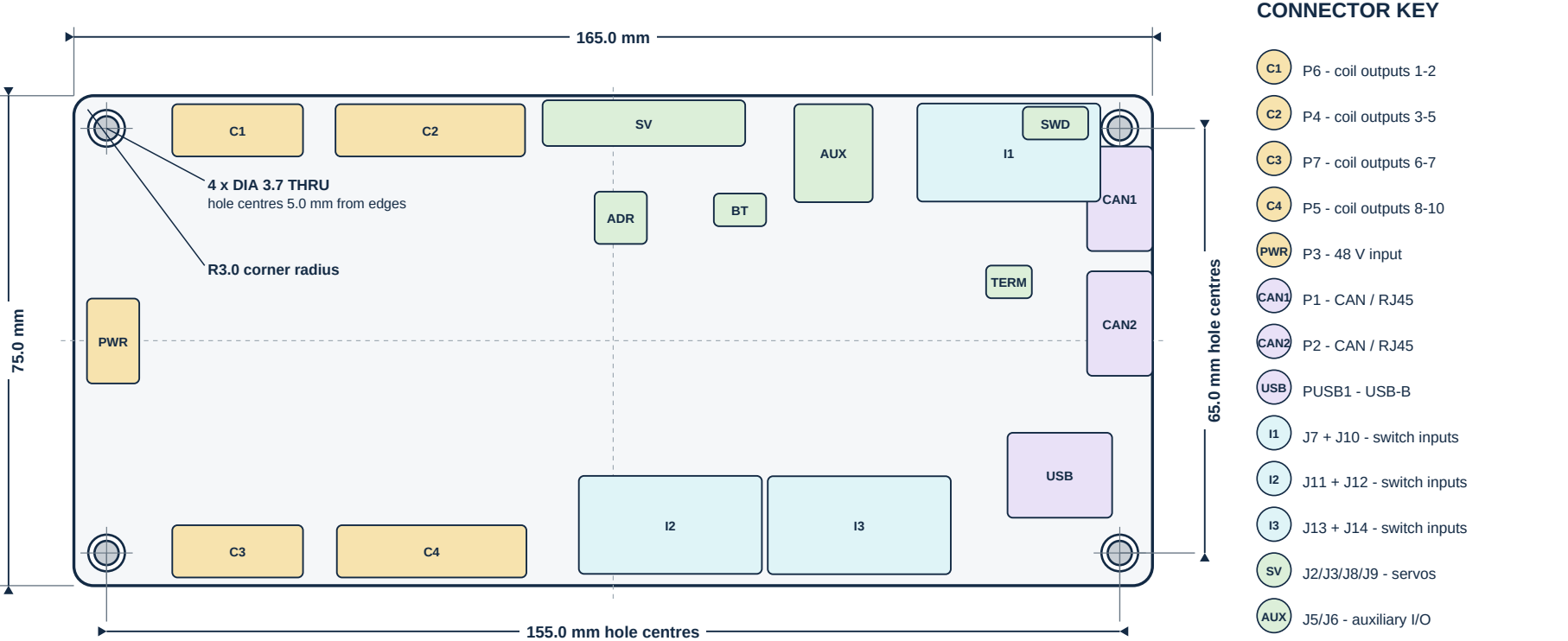


PKONE EX2

Mechanical outline, mounting pattern and connector locations



MOUNTING NOTES

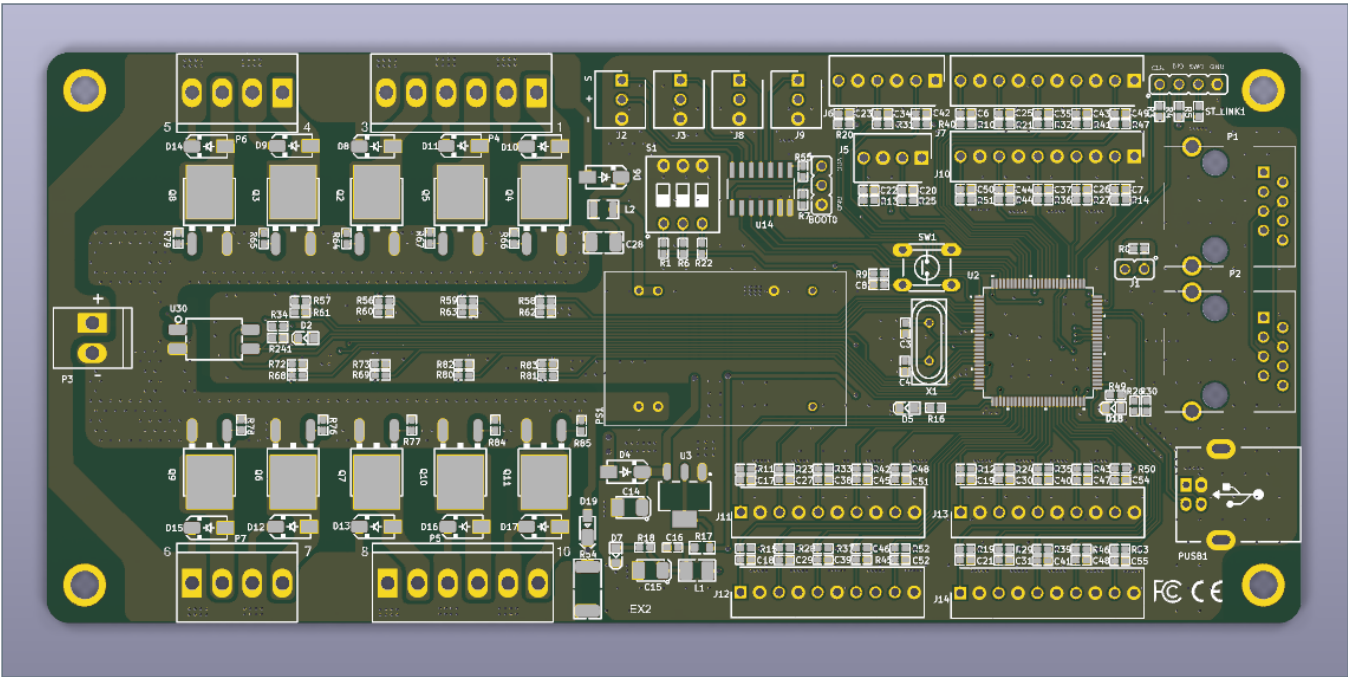
- PCB thickness: 1.6 mm nominal
- Drawing scale: 1:1 when printed at 100%
- Dimensions are in millimetres
- Connector boxes are location references
- Use the STEP model for enclosure clearance

PRINT CHECK

The 165 mm dimension must measure 165 mm.

PKONE EX2

Connector identification and reference coordinate table



Reference datum

X and Y are footprint reference positions measured from the PCB top-left corner.
These coordinates locate connectors; they do not define the full connector body or cable bend clearance.

SOURCE AND TOLERANCE NOTES

- Overall outline and mounting-hole locations are taken from the imported KiCad PCB derived from the original Altium data.
- Connector coordinates use each footprint reference position from the KiCad placement export.
- Verify mating connector bodies, latch access and cable bend radius against the supplied STEP model before cutting an enclosure.
- Unless otherwise specified, use +/-0.20 mm fabrication allowance for enclosure clearance around the bare PCB.

CONNECTOR COORDINATES

REF	FUNCTION	X	Y
P3	48 V input	6.00	37.55
P6	Coil outputs 1-2	25.05	5.30
P4	Coil outputs 3-5	54.52	5.30
P7	Coil outputs 6-7	25.05	69.75
P5	Coil outputs 8-10	54.73	69.75
P1	CAN / RJ45	160.00	15.78
P2	CAN / RJ45	160.00	34.88
PUSB1	USB-B	150.83	58.10
J2/J3/J8/J9	Servo connector group	87.20	3.66
J5/J6	Auxiliary I/O group	116.20	8.80
J7/J10	Switch input group	143.03	8.70
J11/J12	Switch input group	91.25	65.70
J13/J14	Switch input group	120.15	65.75
ST_LINK1	SWD programming	150.17	4.20
BOOT0	Boot selector	101.90	17.48
S1	Board address DIP	83.66	18.69
J1	CAN termination jumper	143.05	28.50