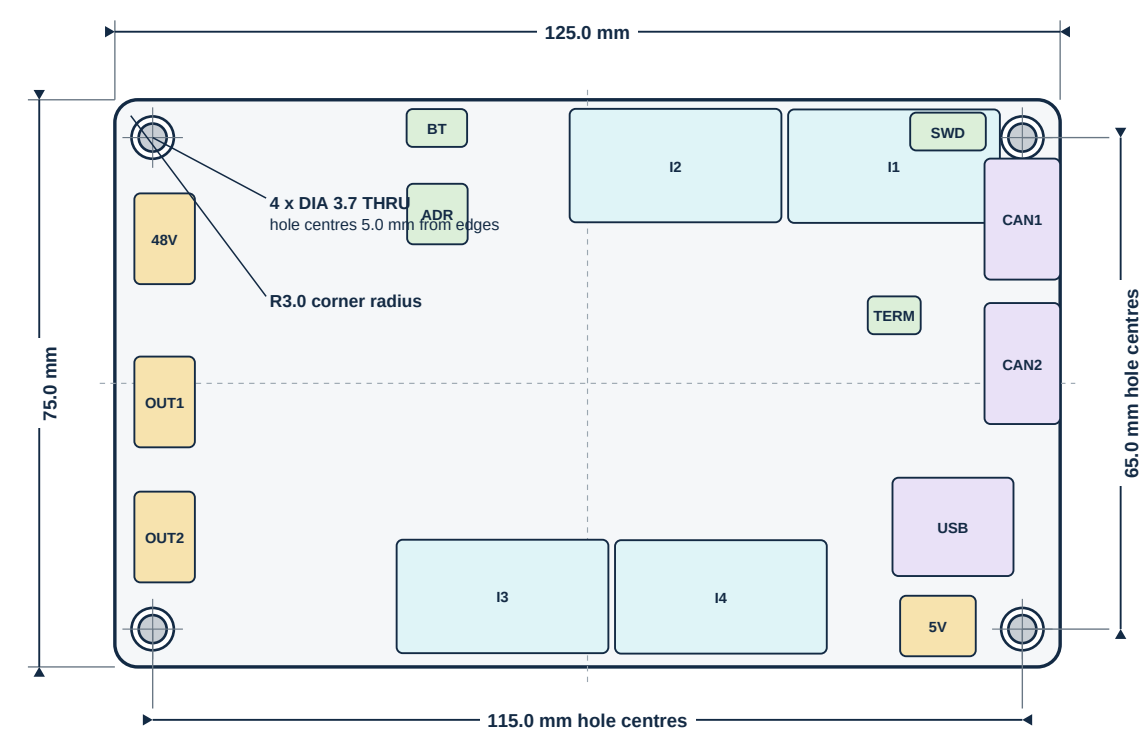


PKONE SWITCH

Mechanical outline, mounting pattern and connector locations



CONNECTOR KEY

- I1 J4 + J5 - switch inputs 1-10
- I2 J2 + J3 - switch inputs 11-20
- I3 J6 + J7 - switch inputs 21-30
- I4 J8 + J9 - switch inputs 31-40
- 48V P4 - 48 V input
- OUT1 P5 - coil output 1
- OUT2 P6 - coil output 2
- 5V P7 - 5 V input
- CAN1 P1 - CAN / RJ45
- CAN2 P2 - CAN / RJ45
- USB P3 - USB-B

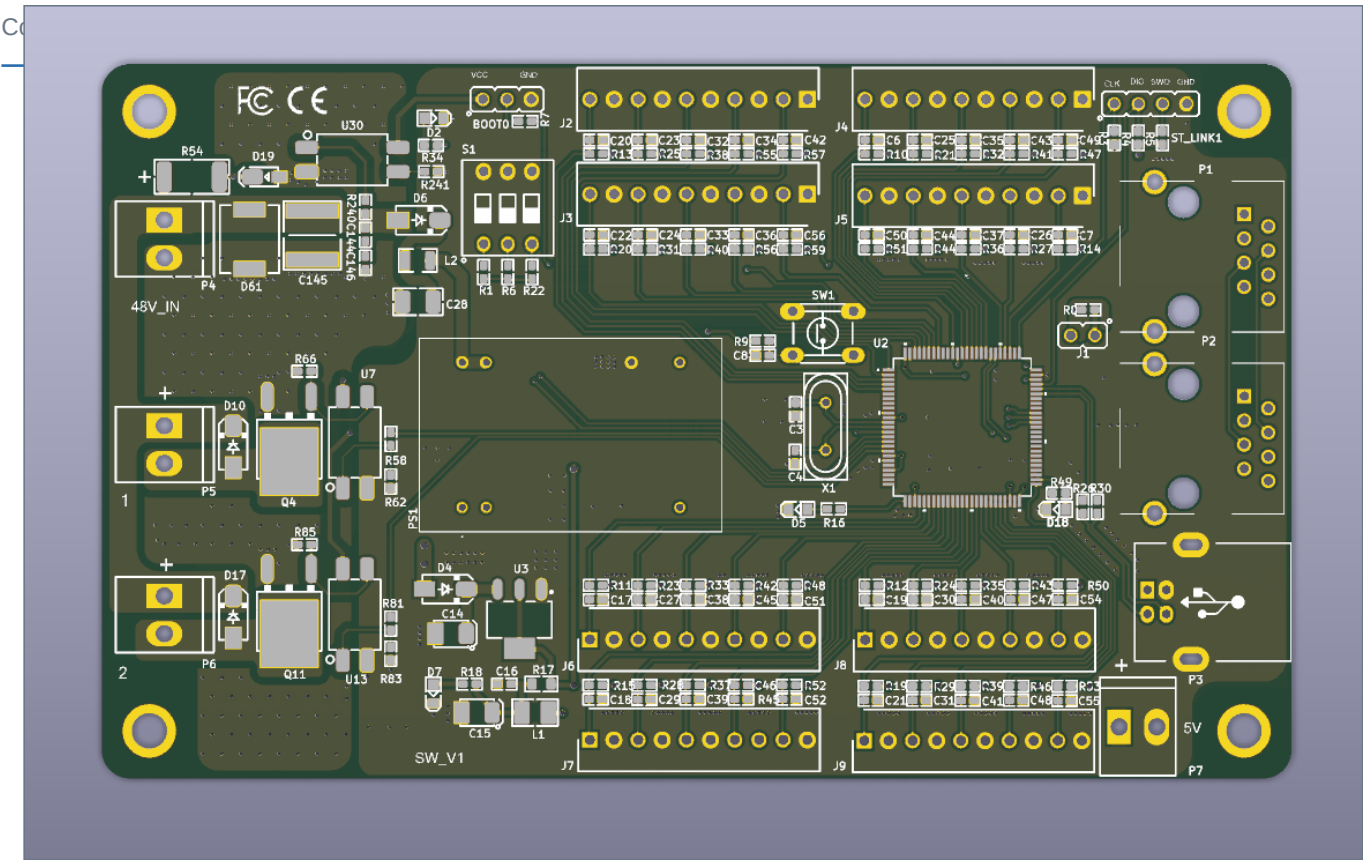
MOUNTING NOTES

- PCB thickness: 1.6 mm nominal
- Drawing scale: 1:1 at 100%
- Dimensions are in millimetres
- Connector boxes are location references
- Use PCB/STEP data for final enclosure fit

PRINT CHECK

The 125 mm dimension must measure 125 mm.

PKONE SWITCH



CONNECTOR COORDINATES

REF	FUNCTION	X	Y
P4	48 V input	6.58	18.38
P5	Coil output 1	6.58	39.96
P6	Coil output 2	6.58	57.82
P7	5 V input	108.84	69.59
P1	CAN / RJ45	120.00	15.78
P2	CAN / RJ45	120.00	34.88
P3	USB-B	110.83	56.48
J4/J5	Switch inputs 1-10	103.03	8.78
J2/J3	Switch inputs 11-20	74.14	8.70
J6/J7	Switch inputs 21-30	51.26	65.68
J8/J9	Switch inputs 31-40	80.14	65.74
ST_LINK1	SWD programming	110.17	4.20
BOOT0	Boot selector	42.58	3.73
S1	Board address DIP	42.65	15.11
J1	CAN termination jumper	103.06	28.50

Reference datum

X and Y are footprint reference positions measured from the PCB top-left corner.
Grouped connector coordinates are representative group locations; use PCB data for individual pin geometry.

SOURCE AND TOLERANCE NOTES

- Outline and mounting-hole data are taken from the imported KiCad PCB derived from the original Altium data.
- Connector coordinates use footprint positions from the KiCad placement export.
- Verify connector bodies, latch access and cable bend radius before cutting an enclosure.
- Unless otherwise specified, allow at least 0.20 mm fabrication clearance around the bare PCB.