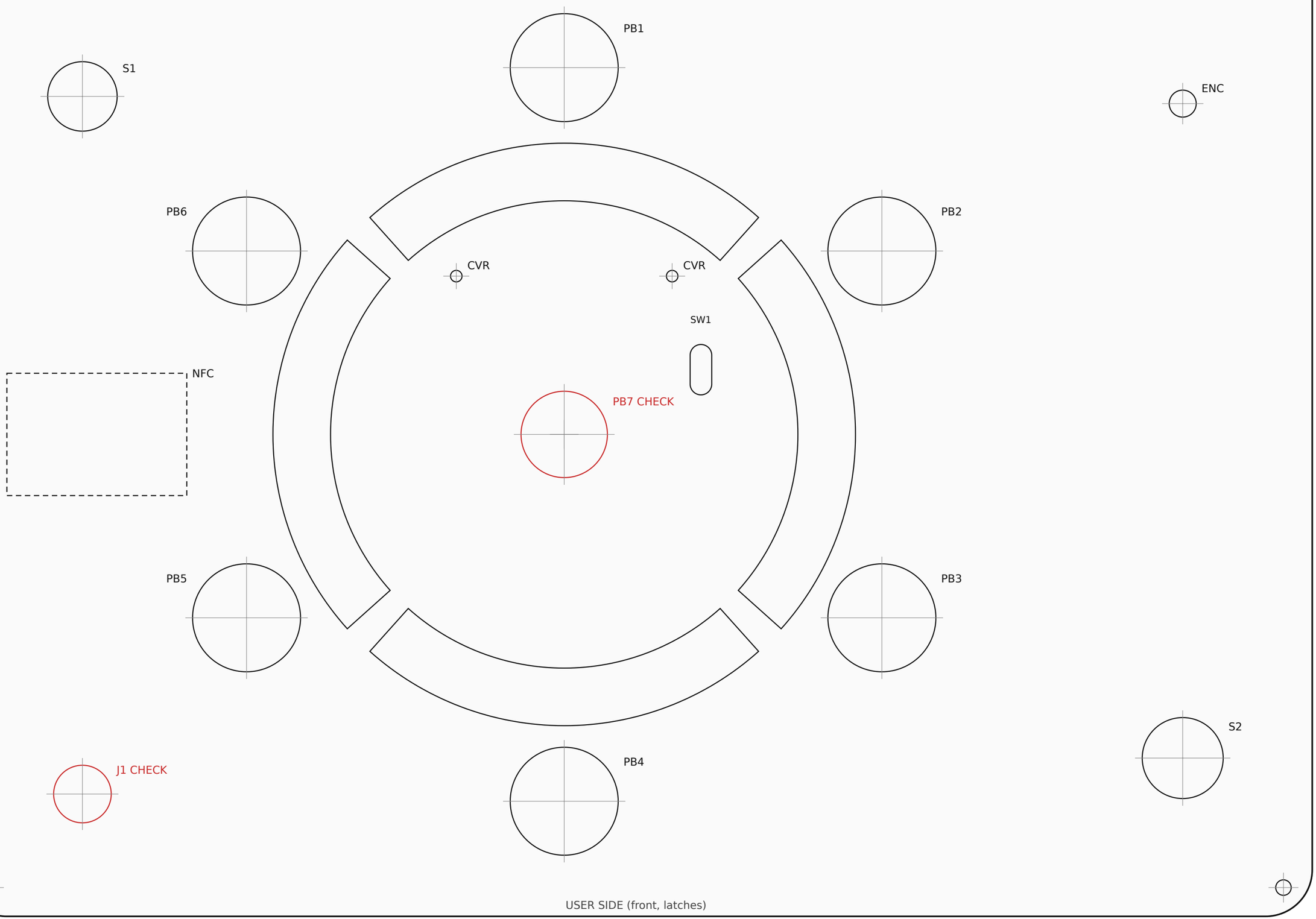


USER SIDE (front, latches)

HALO panel

3 mm black cast acrylic, laser cut

Ring slots: the clear ring sits on the four bridges, LED strip below shines up through the slots.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).

P-1

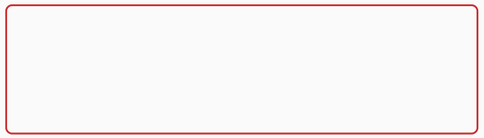
1:1 · tabloid · mm

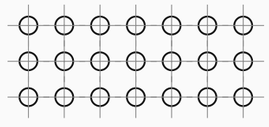
Rev A · 2026-11-18

RELAY-6 wireless launcher

HINGE SIDE · 375.8 × 267.9, corner R13

OLED CHECK





USER SIDE (front, latches)

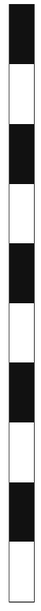
HALO lid insert

3 mm black cast acrylic, laser cut

OLED window from the front; the module sits behind on M2.5 standoffs.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).

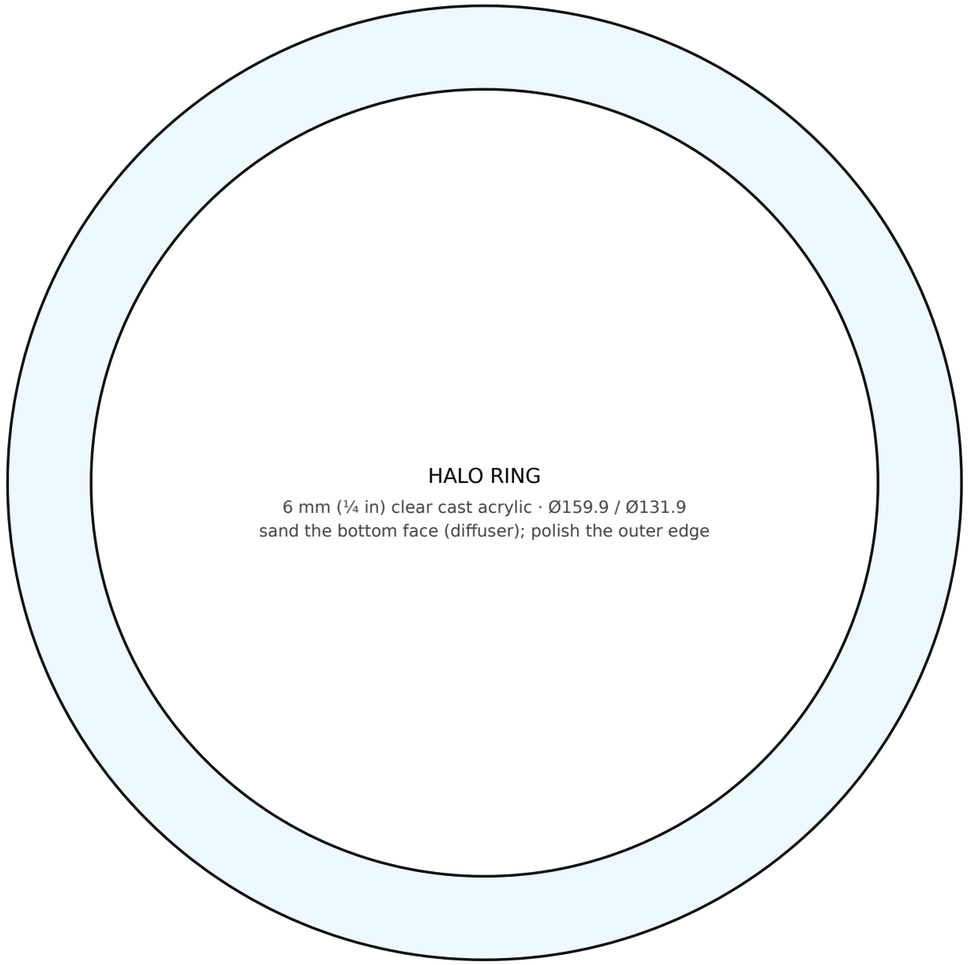


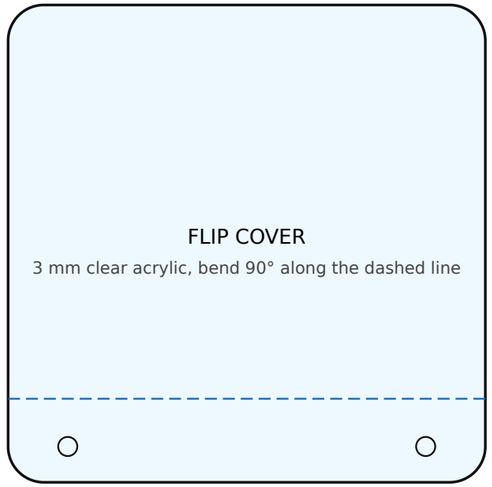
P-2

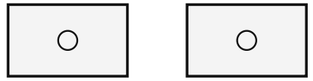
1:1 · tabloid · mm

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RELAY-6 wireless launcher







HINGE BLOCKS ×2, 6 mm black acrylic; M3 × 20 pins

The cover microswitch (COVER input) must close only when the cover is fully open: set it by bending the switch lever, not the cover.

HALO ring, flip cover, hinge blocks

6 mm clear + 3 mm clear + 6 mm black acrylic

Print check: this bar must measure 100 mm. Print at 100 % (actual size).

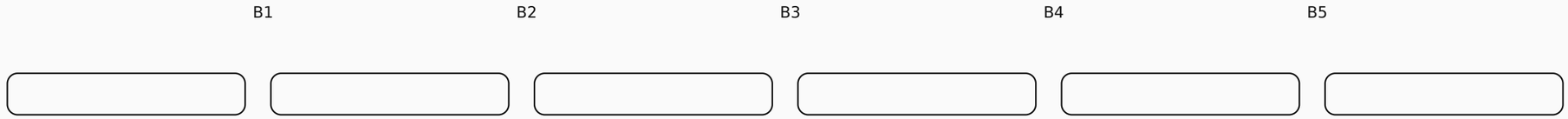


P-3

1:1 · tabloid · mm

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RELAY-6 wireless launcher





HZ



USER SIDE (front, latches)

FLIGHTDECK panel

3 mm 5052 aluminium, powder coat, engrave legends (or 3 mm acrylic)

ARM to FIRE centres: 252 mm.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).

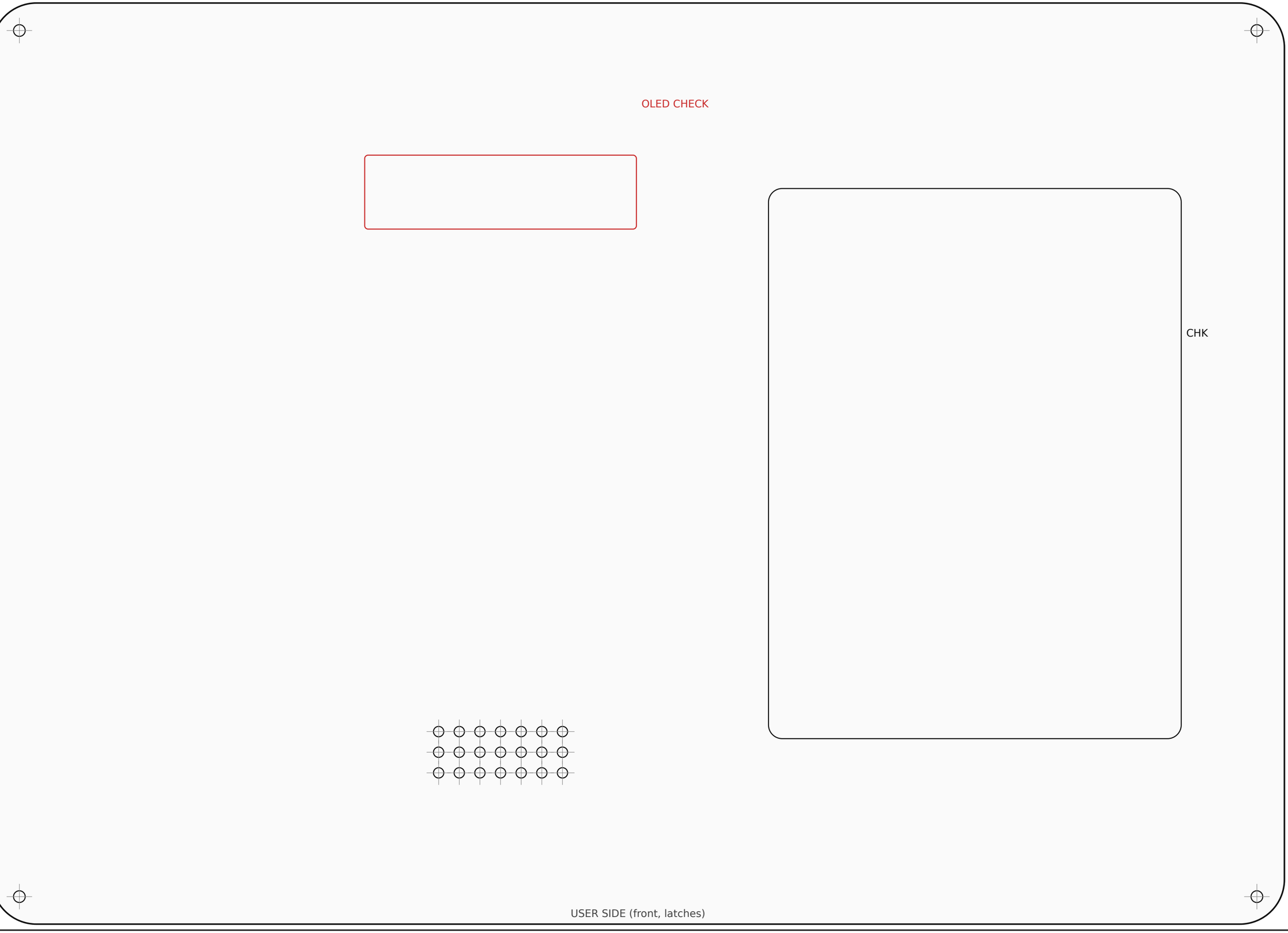


P-4

1:1 · tabloid · mm

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RELAY-6 wireless launcher



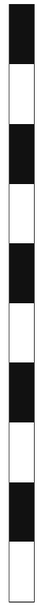
FLIGHTDECK lid insert

3 mm black acrylic

Checklist window: frosted 3 mm clear behind, edge-lit.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).



P-5

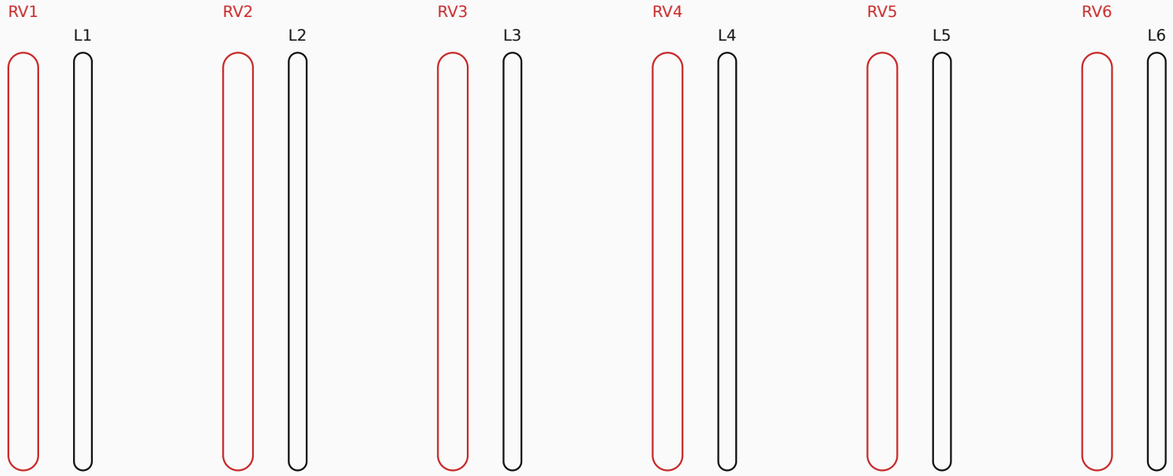
1:1 · tabloid · mm

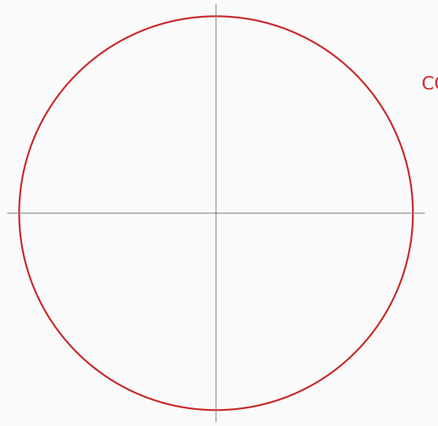
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RELAY-6 wireless launcher

ENC

RV1 L1 RV2 L2 RV3 L3 RV4 L4 RV5 L5 RV6 L6





CORE CHECK

J1 CHECK

NFC

S1

S2

USER SIDE (front, latches)

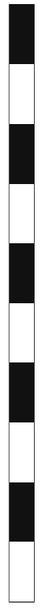
MONOLITH panel

6 mm black acrylic or acetal (CNC)

Lever slots: confirm the slide-pot lever width before cutting.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).



P-6

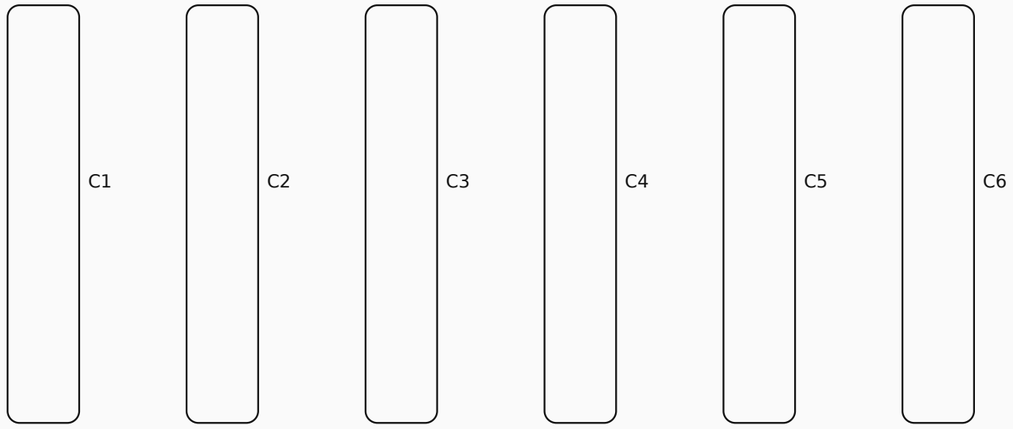
1:1 · tabloid · mm

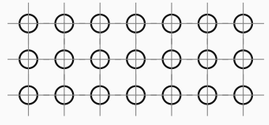
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RELAY-6 wireless launcher

OLED CHECK

OLED CHECK





USER SIDE (front, latches)

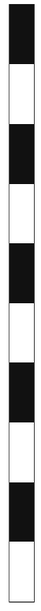
MONOLITH lid insert

3 mm black acrylic

Twin OLEDs share SPI; columns are 12 × 70 windows with WS2812 strips behind.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).



P-7

1:1 · tabloid · mm

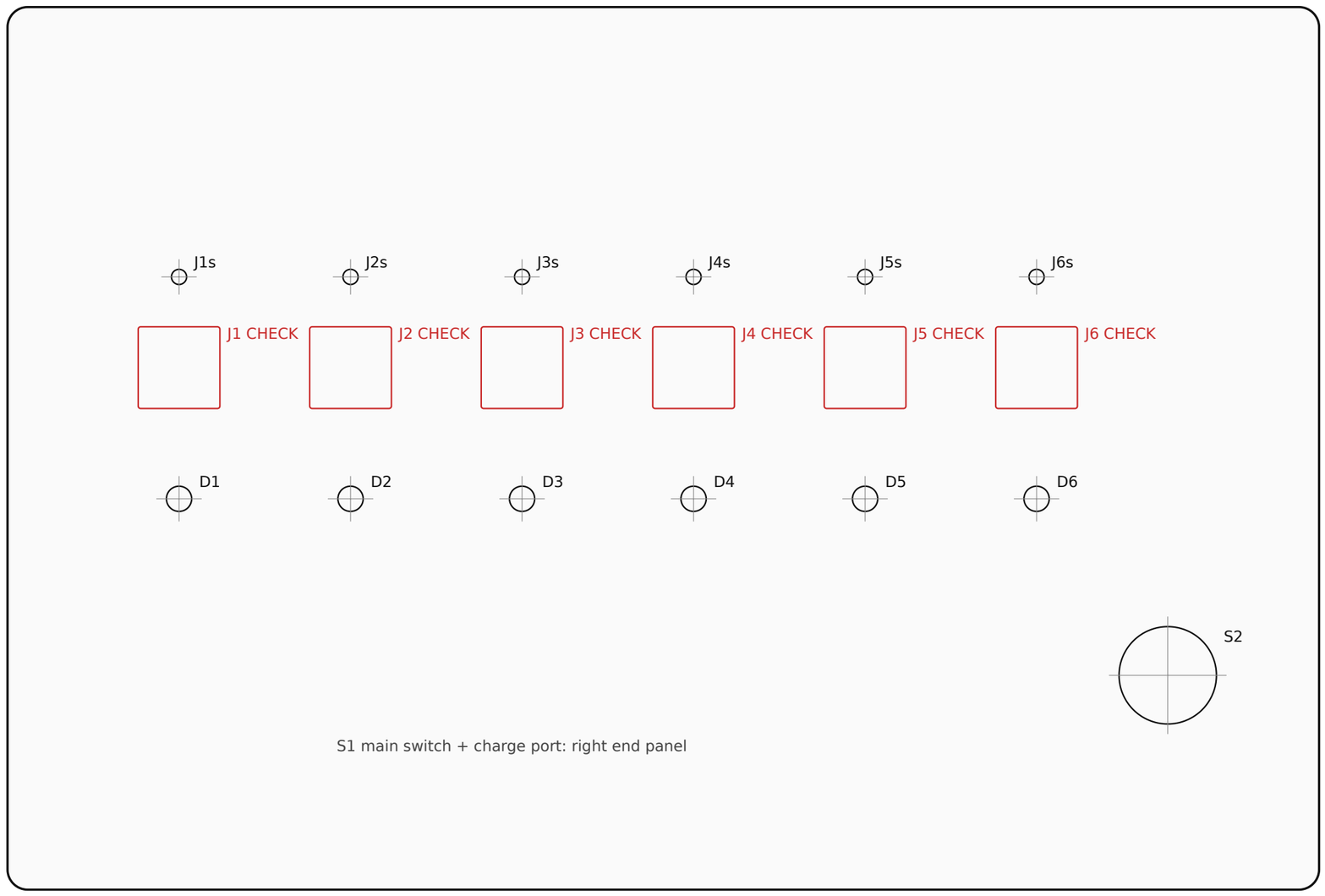
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RELAY-6 wireless launcher

Pad box front face (drill template)

Template: tape to the can, centre-punch, step drill

TOP (lid) · 260.0 × 175.0, corner R4



BOTTOM

Powerpole: 16.2 square per PP15/30 panel clip, CHECK the clip.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).



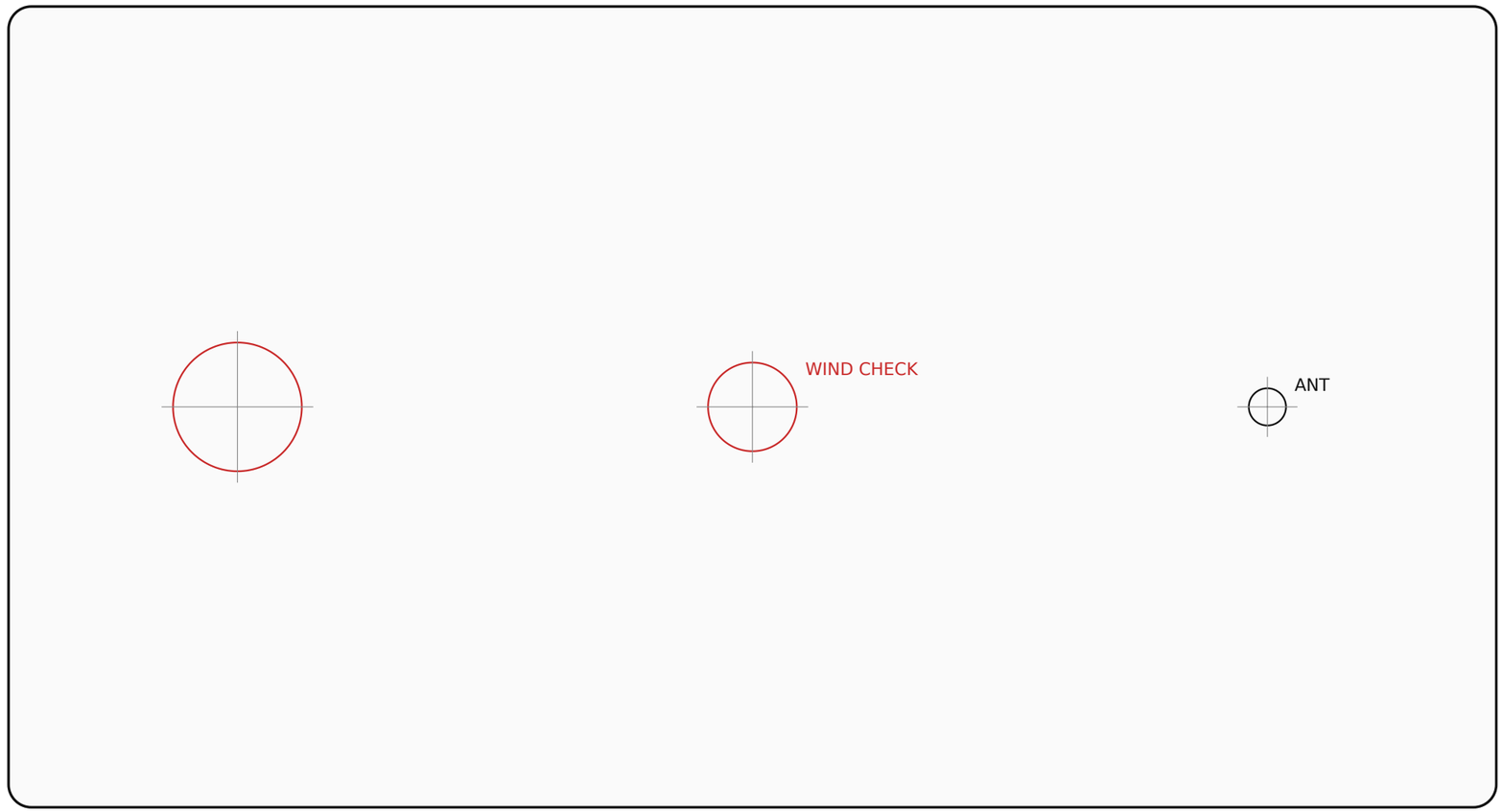
P-8

1:1 · tabloid · mm

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RELAY-6 wireless launcher

BACK · 260.0 × 140.0, corner R4



FRONT (outputs side)

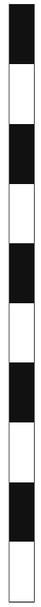
Pad box lid (drill template)

Template: tape to the can lid

Mast socket, antenna bulkhead, anemometer gland.

Red = CHECK: measure the part before cutting (Stage 0).

Print check: this bar must measure 100 mm. Print at 100 % (actual size).



P-9

1:1 · tabloid · mm

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RELAY-6 wireless launcher

Hole schedules · origin at the panel's lower-left corner (user side, left), x right, y towards the hinge, mm

P-1 · HALO panel — 375.8 × 267.9 mm

Ref	What	X	Y	Size		Op
PB1	Pad 1 key, 30 mm arcade (NeoPixel inside)	167.9	235.9	Ø30.0		cut
PB2	Pad 2 key, 30 mm arcade (NeoPixel inside)	256.2	184.9	Ø30.0		cut
PB3	Pad 3 key, 30 mm arcade (NeoPixel inside)	256.2	83.0	Ø30.0		cut
PB4	Pad 4 key, 30 mm arcade (NeoPixel inside)	167.9	32.0	Ø30.0		cut
PB5	Pad 5 key, 30 mm arcade (NeoPixel inside)	79.6	83.0	Ø30.0		cut
PB6	Pad 6 key, 30 mm arcade (NeoPixel inside)	79.6	184.9	Ø30.0		cut
PB7	FIRE, 60 mm dome	167.9	133.9	Ø24.0	CHECK	cut
RING	Halo ring opening (ring sits in it)	167.9	133.9	arc slots R64.9–R80.9, 4 bridges 8		cut
CVR ×2	Flip-cover hinge screws, M3	137.9 / 197.9	177.9 / 177.9	Ø3.2		cut
SW1	Cover microswitch lever slot	205.9	151.9	6.0 × 14.0		cut
S1	Arm key switch	34.0	227.9	Ø19.3		cut
NFC	NFC target (engrave only)	38.0	133.9	50.0 × 34.0		engrave
J1	USB-C panel extension	34.0	34.0	Ø16.0	CHECK	cut
ENC	Mode encoder	339.8	225.9	Ø7.5		cut
S2	E-STOP, 22 mm	339.8	44.0	Ø22.5		cut
M ×4	Panel fixing, M4 to case cleats	367.8 / 8.0 / 367.8 / 8.0	259.9 / 8.0 / 8.0 / 259.9	Ø4.3		cut

P-2 · HALO lid insert — 375.8 × 267.9 mm

Ref	What	X	Y	Size		Op
OLED	OLED window 3.12″	187.9	212.9	79.0 × 21.5	CHECK	cut
SPK ×21	Speaker grille, 40 mm	169.9–205.9	44.0–56.0	Ø3.0		cut
M ×4	Lid insert fixing, M3	8.0 / 8.0 / 367.8 / 367.8	8.0 / 259.9 / 8.0 / 259.9	Ø3.4		cut

P-4 · FLIGHTDECK panel — 375.8 × 267.9 mm

Ref	What	X	Y	Size	Op
T1	Pad 1 toggle with flip cover	60.5	175.9	Ø12.2	cut
B1	Pad 1 status window (NeoPixel Stick-8 behind)	60.5	237.9	46.0 × 8.0	cut
T1a	Toggle anti-rotation	60.5	188.9	Ø3.0	cut
T2	Pad 2 toggle with flip cover	111.5	175.9	Ø12.2	cut
B2	Pad 2 status window (NeoPixel Stick-8 behind)	111.5	237.9	46.0 × 8.0	cut
T2a	Toggle anti-rotation	111.5	188.9	Ø3.0	cut
T3	Pad 3 toggle with flip cover	162.4	175.9	Ø12.2	cut
B3	Pad 3 status window (NeoPixel Stick-8 behind)	162.4	237.9	46.0 × 8.0	cut
T3a	Toggle anti-rotation	162.4	188.9	Ø3.0	cut
T4	Pad 4 toggle with flip cover	213.4	175.9	Ø12.2	cut
B4	Pad 4 status window (NeoPixel Stick-8 behind)	213.4	237.9	46.0 × 8.0	cut
T4a	Toggle anti-rotation	213.4	188.9	Ø3.0	cut
T5	Pad 5 toggle with flip cover	264.4	175.9	Ø12.2	cut
B5	Pad 5 status window (NeoPixel Stick-8 behind)	264.4	237.9	46.0 × 8.0	cut
T5a	Toggle anti-rotation	264.4	188.9	Ø3.0	cut
T6	Pad 6 toggle with flip cover	315.3	175.9	Ø12.2	cut
B6	Pad 6 status window (NeoPixel Stick-8 behind)	315.3	237.9	46.0 × 8.0	cut
T6a	Toggle anti-rotation	315.3	188.9	Ø3.0	cut
PB1	ARM, 60 mm dome (green)	62.0	62.0	Ø24.0	CHECK	cut
PB2	FIRE, 60 mm dome (red)	313.8	62.0	Ø24.0	CHECK	cut
S1	Master key switch	117.9	62.0	Ø19.3		cut
ENC	Mode encoder	187.9	68.0	Ø7.5		cut
S2	E-STOP, 22 mm	257.9	62.0	Ø22.5		cut
HZ	Hazard-stripe border (vinyl), engrave guide	187.9	62.0	335.8 × 104.0		engrave
J1	USB-C panel extension	187.9	127.9	Ø16.0	CHECK	cut
M ×4	Panel fixing, M4 to case cleats	8.0 / 8.0 / 367.8 / 367.8	8.0 / 259.9 / 8.0 / 259.9	Ø4.3		cut

P-5 · FLIGHTDECK lid insert — 375.8 × 267.9 mm

Ref	What	X	Y	Size		Op
OLED	OLED window 3.12″	147.9	212.9	79.0 × 21.5	CHECK	cut
SPK ×21	Speaker grille, 40 mm	129.9–165.9	44.0–56.0	Ø3.0		cut
CHK	Checklist card window	285.8	133.9	120.0 × 160.0		cut
M ×4	Lid insert fixing, M3	8.0 / 8.0 / 367.8 / 367.8	8.0 / 259.9 / 8.0 / 259.9	Ø3.4		cut

P-6 · MONOLITH panel — 375.8 × 267.9 mm

Ref	What	X	Y	Size		Op
RV1	Pad 1 lever slot (60 mm slide pot below)	46.0	137.9	5.0 × 70.0	CHECK	cut
L1	Pad 1 light slot (WS2812 below, diffuser)	56.0	137.9	3.0 × 70.0		cut
RV2	Pad 2 lever slot (60 mm slide pot below)	82.0	137.9	5.0 × 70.0	CHECK	cut
L2	Pad 2 light slot (WS2812 below, diffuser)	92.0	137.9	3.0 × 70.0		cut
RV3	Pad 3 lever slot (60 mm slide pot below)	118.0	137.9	5.0 × 70.0	CHECK	cut
L3	Pad 3 light slot (WS2812 below, diffuser)	128.0	137.9	3.0 × 70.0		cut
RV4	Pad 4 lever slot (60 mm slide pot below)	154.0	137.9	5.0 × 70.0	CHECK	cut
L4	Pad 4 light slot (WS2812 below, diffuser)	164.0	137.9	3.0 × 70.0		cut
RV5	Pad 5 lever slot (60 mm slide pot below)	190.0	137.9	5.0 × 70.0	CHECK	cut
L5	Pad 5 light slot (WS2812 below, diffuser)	200.0	137.9	3.0 × 70.0		cut
RV6	Pad 6 lever slot (60 mm slide pot below)	226.0	137.9	5.0 × 70.0	CHECK	cut

Ref	What	X	Y	Size		Op
L6	Pad 6 light slot (WS2812 below, diffuser)	236.0	137.9	3.0 × 70.0		cut
CORE	Fire core: 6810 bearing housing, 30 mm button in its bore	280.8	155.9	Ø66.0	CHECK	cut
S1	Key switch	240.8	46.0	Ø19.3		cut
S2	E-STOP, 22 mm	320.8	46.0	Ø22.5		cut
ENC	Mode encoder	342.8	225.9	Ø7.5		cut
J1	USB-C panel extension	40.0	30.0	Ø16.0	CHECK	cut
NFC	NFC target (engrave only)	140.0	40.0	50.0 × 34.0		engrave
M ×4	Panel fixing, M4 to case cleats	8.0 / 8.0 / 367.8 / 367.8	8.0 / 259.9 / 8.0 / 259.9	Ø4.3		cut

P-7 · MONOLITH lid insert — 375.8 × 267.9 mm

Ref	What	X	Y	Size		Op
OLED	OLED window 3.12″ (twin)	139.9	217.9	79.0 × 21.5	CHECK	cut
OLED	OLED window 3.12″ (twin)	235.9	217.9	79.0 × 21.5	CHECK	cut
C1	Firing-order light column	112.9	123.9	12.0 × 70.0		cut
C2	Firing-order light column	142.9	123.9	12.0 × 70.0		cut
C3	Firing-order light column	172.9	123.9	12.0 × 70.0		cut
C4	Firing-order light column	202.9	123.9	12.0 × 70.0		cut
C5	Firing-order light column	232.9	123.9	12.0 × 70.0		cut
C6	Firing-order light column	262.9	123.9	12.0 × 70.0		cut
SPK ×21	Speaker grille, 40 mm	169.9–205.9	44.0–56.0	Ø3.0		cut
M ×4	Lid insert fixing, M3	8.0 / 8.0 / 367.8 / 367.8	8.0 / 259.9 / 8.0 / 259.9	Ø3.4		cut

P-8 · Pad box front face (drill template) — 260.0 × 175.0 mm

Ref	What	X	Y	Size		Op
J1	Pad 1 Powerpole pair (panel clip)	34.0	103.5	16.2 × 16.2	CHECK	cut
J1s	Clip screws, 4-40	34.0	121.5	Ø3.0		cut
D1	Pad 1 status LED	34.0	77.5	Ø5.0		cut
J2	Pad 2 Powerpole pair (panel clip)	68.0	103.5	16.2 × 16.2	CHECK	cut
J2s	Clip screws, 4-40	68.0	121.5	Ø3.0		cut
D2	Pad 2 status LED	68.0	77.5	Ø5.0		cut
J3	Pad 3 Powerpole pair (panel clip)	102.0	103.5	16.2 × 16.2	CHECK	cut
J3s	Clip screws, 4-40	102.0	121.5	Ø3.0		cut
D3	Pad 3 status LED	102.0	77.5	Ø5.0		cut
J4	Pad 4 Powerpole pair (panel clip)	136.0	103.5	16.2 × 16.2	CHECK	cut
J4s	Clip screws, 4-40	136.0	121.5	Ø3.0		cut
D4	Pad 4 status LED	136.0	77.5	Ø5.0		cut
J5	Pad 5 Powerpole pair (panel clip)	170.0	103.5	16.2 × 16.2	CHECK	cut
J5s	Clip screws, 4-40	170.0	121.5	Ø3.0		cut
D5	Pad 5 status LED	170.0	77.5	Ø5.0		cut
J6	Pad 6 Powerpole pair (panel clip)	204.0	103.5	16.2 × 16.2	CHECK	cut
J6s	Clip screws, 4-40	204.0	121.5	Ø3.0		cut
D6	Pad 6 status LED	204.0	77.5	Ø5.0		cut
S2	SAFE / ARM key	230.0	42.5	Ø19.3		cut

P-9 · Pad box lid (drill template) — 260.0 × 140.0 mm

Ref	What	X	Y	Size		Op
MAST	Beacon mast socket, 1/2″ bulkhead	40.0	70.0	Ø22.5	CHECK	cut
ANT	Antenna SMA bulkhead	220.0	70.0	Ø6.5		cut
WIND	Anemometer post, PG9 gland	130.0	70.0	Ø15.5	CHECK	cut