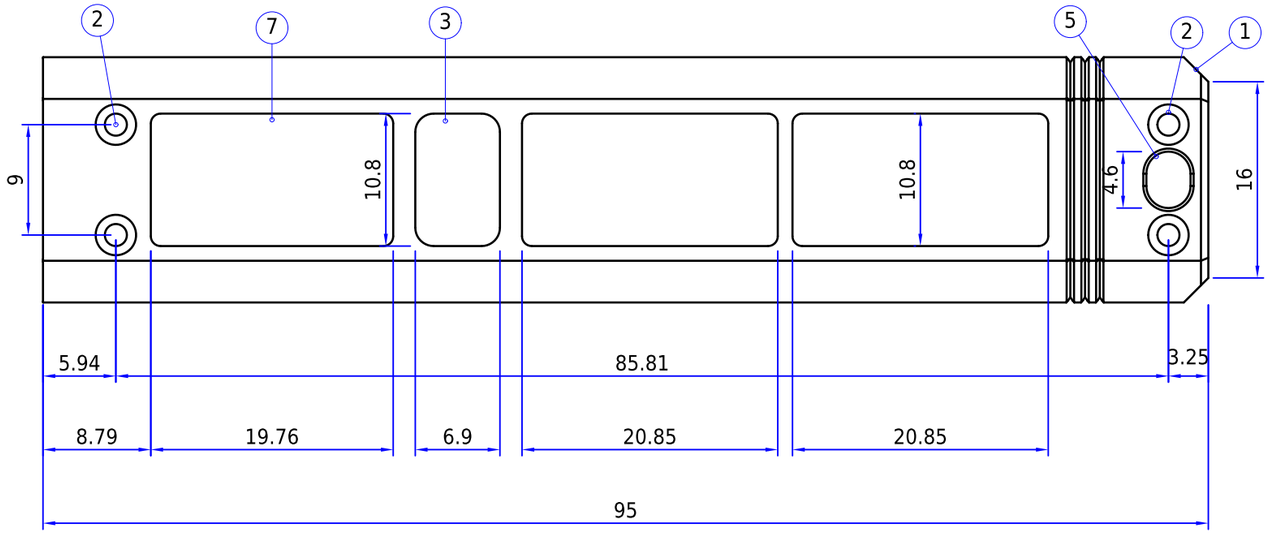
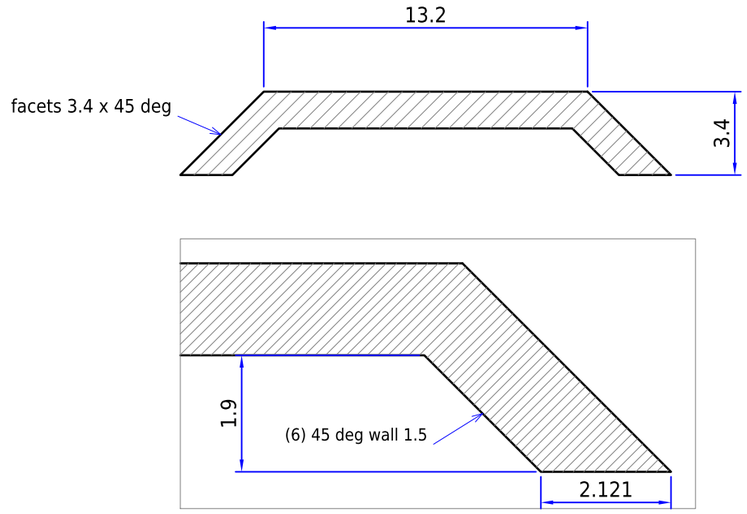
TOP VIEW (from +Z) items 1, 2, 3, 5, 7

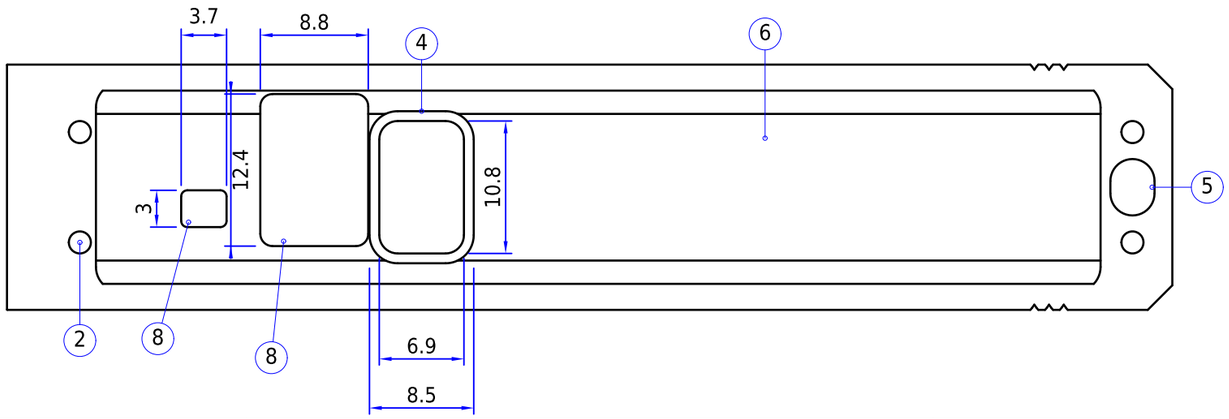


SECTION J-J (X = 23.5, no panels) items 1, 6

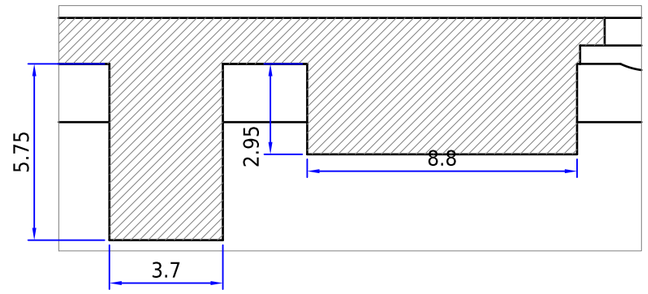


DETAIL K-K (lid edge on the seat, X = 23.5, 10:1) item 6

UNDERSIDE (from -Z) items 2-6, 8



SECTION G-G (Y = 1.7, no panels, 5:1) item 8



ID	FEATURE	SPECIFICATION	TOLERANCE / NOTE
1	Lid (cap)	the body above Z 14.6 (the upper facet edges), 3.4 tall: top facet 13.2 wide, diagonal facets 3.4 x 45 deg; X 4.2 to 99.2 (body coordinates); tail facets 2.0 x 45 deg as the tray	ISO 2768-mK
2	Screw holes 4x	for M1.6 countersunk (ISO 7046): Ø1.8 thru, countersink Ø3.3 x 90 deg (0.75 deep); X 10.14 and 95.95, Y +/- 4.5 (body coordinates)	position +/-0.05 Ø +0.1/0
3	RF window opening	6.9 x 10.8, corners R1.5, through; X 34.55 to 41.45, centred on Y 0 (over the ESP32 module antenna)	+/-0.03
4	RF pocket (underside)	8.5 x 12.4, R2.3, 0.6 deep (Z 16.5 to 17.1), 0.8 margin round the opening; seat of the POM insert flange; 0.9 of lid remains above	+/-0.05; depth +/-0.03
5	Lanyard slot, THRU	stadium 3.6 x 4.6, centre X 95.95, Y 0; chamfer C0.25 on the top face; same slot as the tray (FK-H-01 item 22)	+/-0.1
6	Pocket over the cavity	X 11.45 to 93.35, plan corners R2.0: plate 1.5 (Z 16.5), 45 deg walls 1.5 under the diagonal facets, flat seat 2.121 wide each side (pocket |Y| 7.879 at the seat); solid over head and tail	+/-0.1; seat flat 0.05
7	Panels, texture, grooves	3 recessed panels 0.3 deep with the V texture and the tail grooves as the tray (FK-H-01 sheet 2, items 16-18); panels |Y| <= 5.4	depth +/-0.03
8	Hold-down bosses 2x	can boss X 24.85 to 33.65, Y -7.6 to 4.8, R1.0, 2.95 tall (face Z 13.55); front boss X 18.4 to 22.1, Y 0.25 to 3.25, R0.5, 5.75 tall (face Z 10.75)	+/-0.03 (height) position +/-0.05
8a	Pads (bought parts)	can: 1.5 thermal gap pad (Shore 00 70-80) cut to the can boss, compressed to 1.15; front: 1.0 silicone rubber sheet (Shore A 70) cut 3.7 x 3.0, compressed to 0.75	stick on with a drop of silicone adhesive
9	RF window insert	not machined here: POM-C insert (FlashKa_rf_window.step, FK-H-05), 0.03 clearance per side, held by its flange and the antenna spacer	

NOTES
1 Material: aluminium 6061-T6, a cap 3.4 tall (plate 1.5 over the cavity). Geometry per FlashKa_lid.step; X, Y, Z are body coordinates (X = 0 at the front face of the body).
2 General tolerances ISO 2768-mK; toleranced values are critical.
3 Screws: 4x M1.6 x 6 countersunk, ISO 7046 / DIN 965, stainless steel. The countersink edge is 0.45 inside the top facet edge: do not enlarge it. The seat (6) must be flat: the lid closes on it, the facets of lid and tray meet flush.
4 Finish: fine glass-bead blast, anodise type II matte black (8-12 um). Cut the panels and grooves before blasting. No marking of any kind. Sections G-G, J-J, K-K are drawn without the panels.
5 At X 95.95 the rear countersinks and the slot chamfer leave a sliver of only 0.3 at the top face: break edges lightly (max 0.05).
6 The front end of the lid covers the laser set screw in the head block (tray FK-H-01, item 5): no hole or screw shows on the closed light apart from the four lid screws.
7 A light that is sold to others needs the laser class label on the lid (EN 60825-1): the optional artwork is in order_files/optional_laser_label/; it is not part of this drawing.

LID

Part: FK-H-02 FlashKa_lid.step	SCALE 2:1 (details as marked) SHEET 1/1
FlashKa Keychain v0.7 2026-10-23	Units mm | ISO 2768-mK