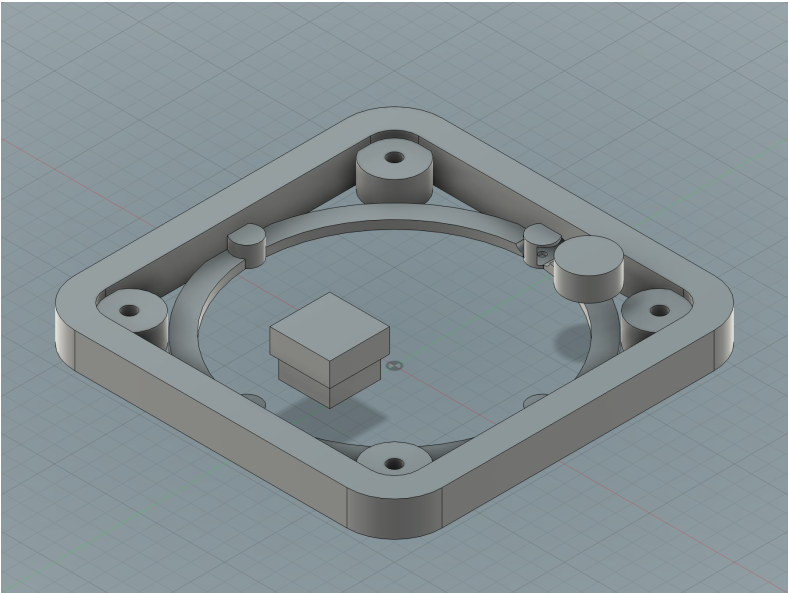


CM2-001 UPPER HOUSING

SHEET 1/4 · NOT TO SCALE



R14.00



Overall	108.00 × 108.00 × 10.30 mm
Outer corners	R14.00 mm
Inner opening	92.00 × 92.00 mm, R7.00 mm
PCB clearance	0.20–0.30 mm total, validate first article

MATERIAL

Cast polycarbonate; alternate cast PMMA or stabilized hardwood

FINISH

Uniform diffuse matte. No transparent polish required.

MANUFACTURING NOTES

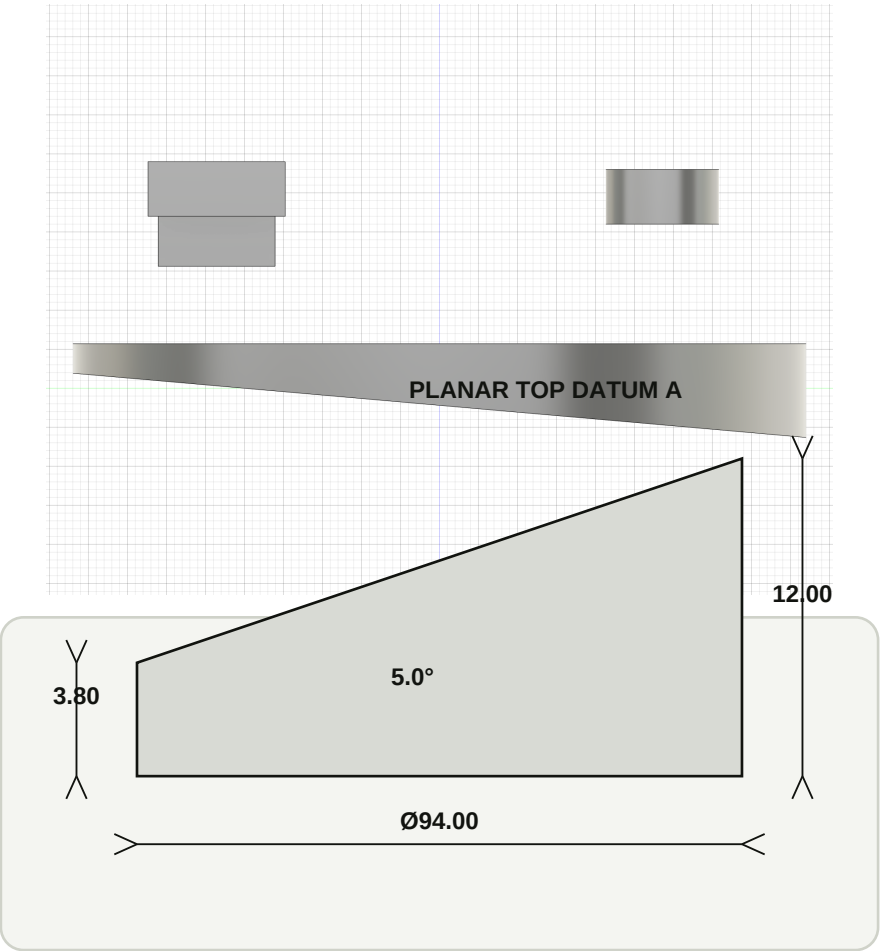
- Break exposed edges 0.20–0.40 mm; no sharp edges.
- Do not cut structural threads directly in PMMA.
- Protect cosmetic A-surfaces after bead/frost finish.

ACCEPTANCE: VERIFY CRITICAL DIMENSIONS ON FIRST ARTICLE

Manufacture to STEP for all unlisted geometry; do not infer hidden threads or fits.

CM2-002 ANGLED BOTTOM WEIGHT

SHEET 2/4 · NOT TO SCALE



Plan diameter	Ø94.00 mm
Front thickness	3.80 mm nominal
Rear thickness	12.00 mm nominal
Underside angle	5.0° nominal; top datum remains planar

MATERIAL

6061-T6 aluminum

FINISH

Fine bead blast + matte black anodize

MANUFACTURING NOTES

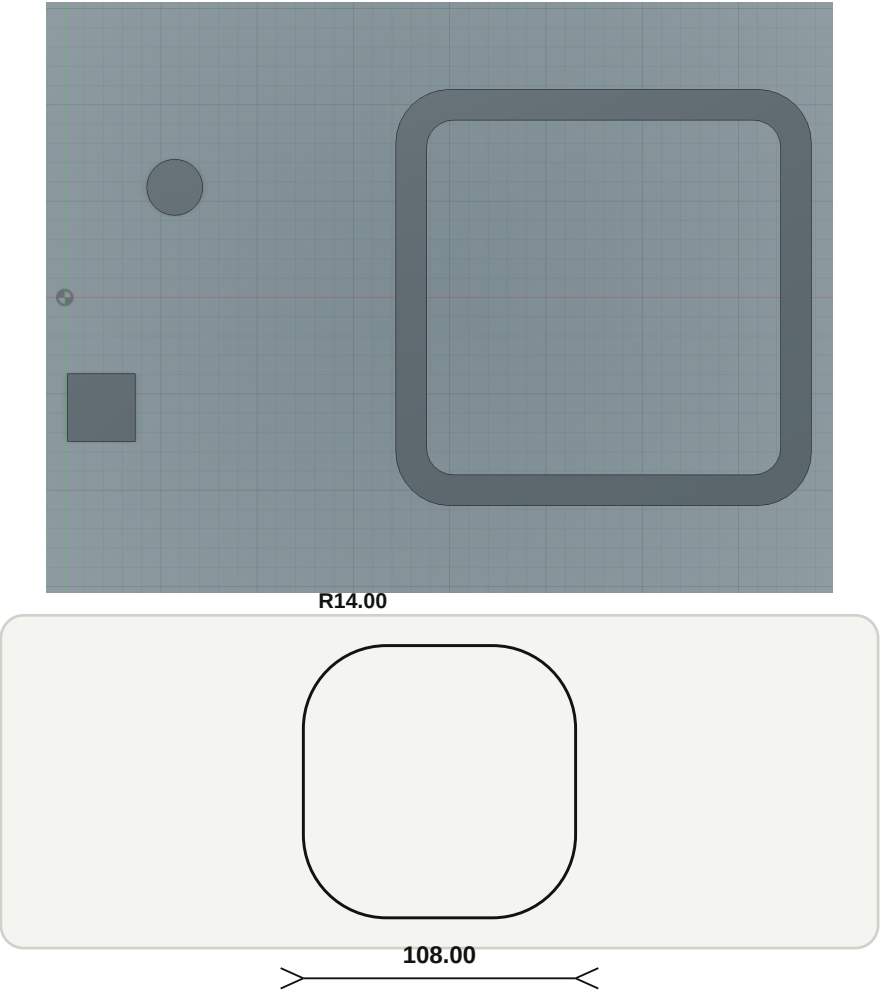
- This REPLACES the obsolete flat-bottom quote.
- Protect planar top datum; deburr 0.20–0.40 mm.
- No threads in Rev A solid: machine only after fit-check approval.

ACCEPTANCE: VERIFY CRITICAL DIMENSIONS ON FIRST ARTICLE

Manufacture to STEP for all unlisted geometry; do not infer hidden threads or fits.

CM2-003 OPTIONAL LIGHT PIPE

SHEET 3/4 · NOT TO SCALE



Overall	108.00 × 108.00 × 1.50 mm
Registration	Match STEP; maintain flatness
Optical edge	No deep tool marks or opaque contamination
Use	Required with opaque or wood upper housing

MATERIAL

Cast PMMA, natural/frosted

FINISH

Uniform fine matte on light-emitting faces

MANUFACTURING NOTES

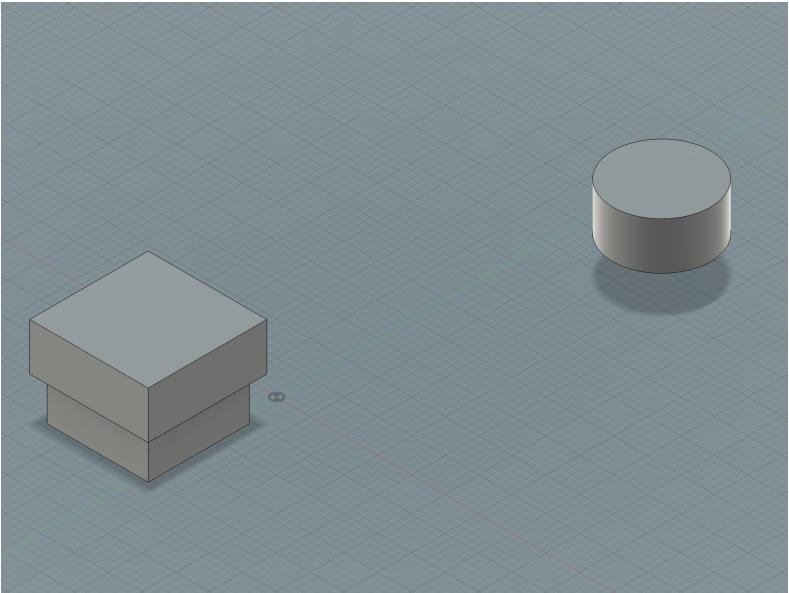
- Do not flame-polish; target diffuse rather than clear transmission.
- Protect both faces with removable film for shipping.

ACCEPTANCE: VERIFY CRITICAL DIMENSIONS ON FIRST ARTICLE

Manufacture to STEP for all unlisted geometry; do not infer hidden threads or fits.

CM2-004 JOYSTICK CAP FIT PROTOTYPE

SHEET 4/4 · NOT TO SCALE



Outside diameter	Ø14.50 mm
Overall height	7.00 mm
Shaft interface	Per STEP; verify against selected joystick
Final production	Silicone Shore A 40–50 after fit validation

MATERIAL

Black POM for fit prototype only

FINISH

As-machined fine matte; deburr carefully

MANUFACTURING NOTES

- Do not force onto a discontinued Alps sample.
- Machine one only and treat bore dimensions as provisional.

ACCEPTANCE: VERIFY CRITICAL DIMENSIONS ON FIRST ARTICLE

Manufacture to STEP for all unlisted geometry; do not infer hidden threads or fits.

