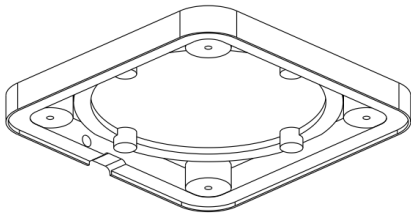


CM2-001 GLOSS BLACK UPPER HOUSING

SHEET 1/1 · NOT TO SCALE



Overall	108.00 × 108.00 × 10.30 mm
Inner opening	92.00 × 92.00 mm, R7.00 mm
PCB mounting	4× M3×0.5, pitch 78.00 × 78.00 mm; 6.0 min full thread
Base mounting	4× M2.5×0.45 at cardinal R41.00; 5.0 min full thread
Light-guide pocket	106.40 outer, 1.50 deep; floor Z8.80
Rear USB-C notch	11.00 × 4.60 mm capsule; center Z9.80, open top

MATERIAL

POM (black), CNC machined

FINISH

No bead blast. Strict cosmetic A-surfaces; smooth/semi-gloss, target Ra ≤ 0.8 µm.

MANUFACTURING NOTES

- Break exposed edges 0.20–0.40 mm; do not round locating faces.
- Tap threads directly in POM; thread axes are normal to PCB/top datum.
- Protect all exterior faces from clamp marks and shipping scratches.
- Rear Ø4.20 service hole is reserved for a future Bluetooth PCB actuator.

ACCEPTANCE: VERIFY CRITICAL DIMENSIONS ON FIRST ARTICLE

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