

CUSTOM AUTOMOTIVE BADGE

Manufacturing Specification - Revision V8

Neutral manufacturing specification for a blank replacement badge with rear mounting pins.

1. Scope and drawing convention

This document defines the manufacturing geometry of a blank automotive badge base. No model name, lettering or artwork is part of this specification.

IMPORTANT - DIRECT REAR VIEW: All mounting-pin positions are specified while looking directly at the mounting side of the badge. The rear view is not a transparent projection through the front. Do not mirror the pin layout.

2. Overall badge geometry

FEATURE	SPECIFICATION	STATUS / NOTE
Overall width	105.2 mm	Measured
Overall height	15.2 mm	Measured
Body depth / thickness	3.5 mm	Measured; adhesive excluded
Front-most perimeter rounding	R 1.0 mm	Manufacturing target
Front perimeter transition	Single continuous rounded curve	No intermediate straight ledge
Rear/base perimeter	Sharp	Do not round
Top/front surface fall	≈ 0.45 mm toward visible front	Photo-derived; approximate
Adhesive / release liner	Excluded	Not part of stated body dimensions

FRONT VIEW - BLANK DESIGN FACE

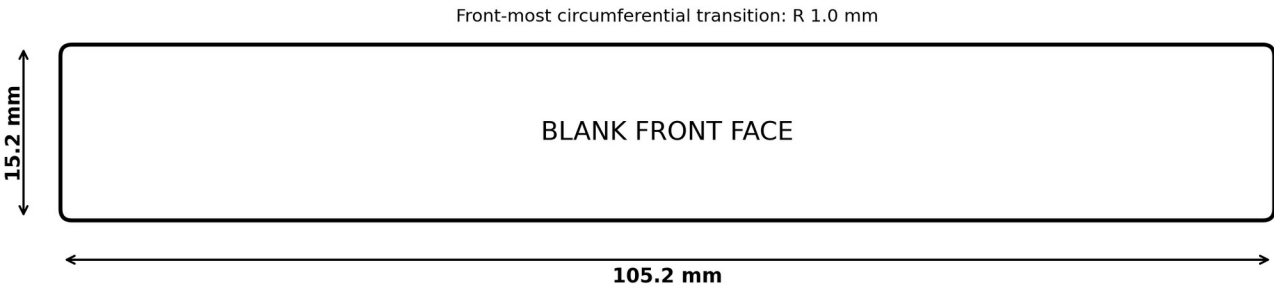


Figure 1 - Front view and overall envelope.

3. Mounting-pin layout - critical

The following dimensions locate each pin centre in the direct rear view. Horizontal dimensions use the explicitly stated left or right badge edge. Vertical dimensions are measured from the top edge.

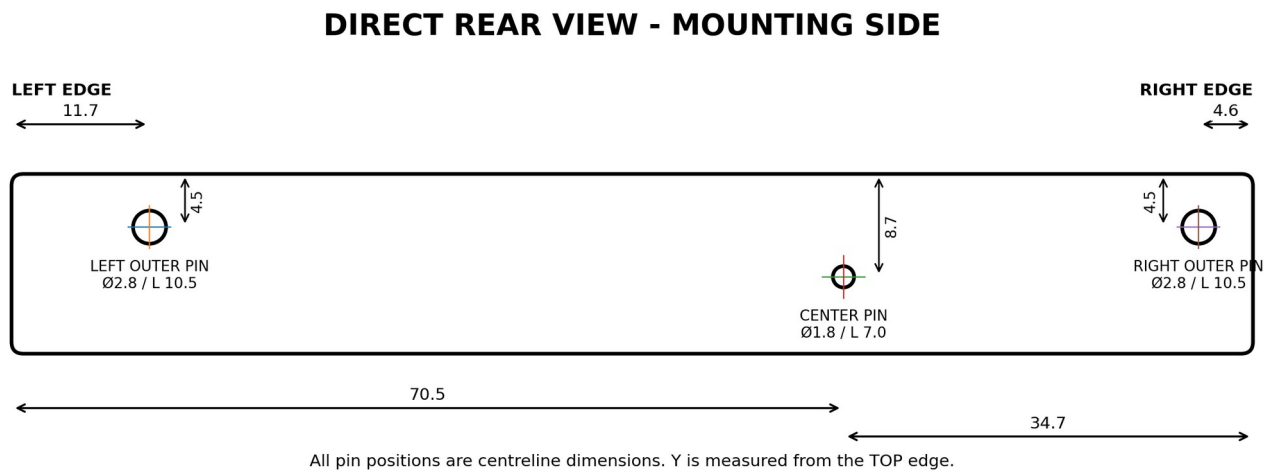


Figure 2 - Direct rear view with critical pin-centre distances.

PIN	HORIZONTAL CENTRE	VERTICAL CENTRE	DIAMETER	PROJECTION
Left outer pin	11.7 mm from LEFT	4.5 mm from TOP	Ø 2.8 mm	10.5 mm
Center pin	70.5 mm from LEFT / 34.7 mm from RIGHT	8.7 mm from TOP	Ø 1.8 mm	7.0 mm
Right outer pin	4.6 mm from RIGHT	4.5 mm from TOP	Ø 2.8 mm	10.5 mm

Critical alignment: both outer pin centre lines are 4.5 mm from the top edge. The center pin is Ø1.8 mm and its centre is 8.7 mm from the top.

4. Side profile and edge treatment

RIGHT SIDE PROFILE - TRUE PROPORTIONS

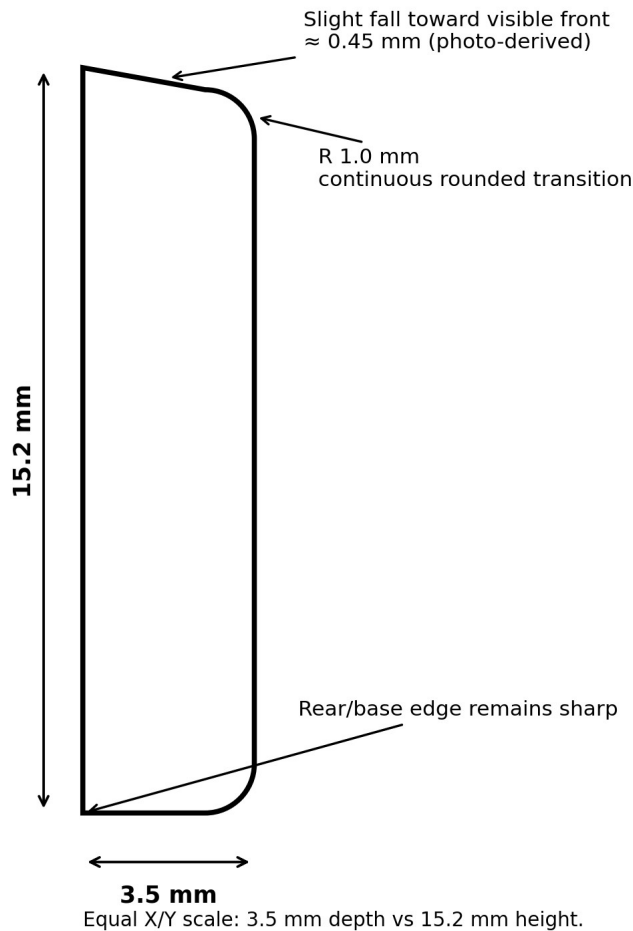


Figure 3 - Right-side profile shown at equal X/Y scale.

The visible front profile must retain a single continuous rounded transition at the perimeter. Do not construct the transition as curve - straight chamfer - curve. The rear/base edge remains sharp. The slight top/front fall is based on the photographic profile and is therefore approximate; the supplied V8 CAD geometry is the master for this form.

5. Production notes

- Do not mirror the mounting-pin layout.
- Use the V8 CAD files as the master for three-dimensional geometry.
- Keep the front face blank; artwork or lettering is outside this specification.
- Exclude adhesive and protective/release liner from the 3.5 mm body depth.
- Do not introduce additional steps or flat ledges into the perimeter transition.
- The plan-view outer corner radius has not been independently measured; do not override the supplied CAD geometry with an assumed value.

6. Revision status

REVISION	STATUS	GEOMETRY MASTER
V8	Current manufacturing specification	V8 STEP / STL / GLB

Units: millimetres (mm). Dimensions marked approximate are not direct physical measurements.