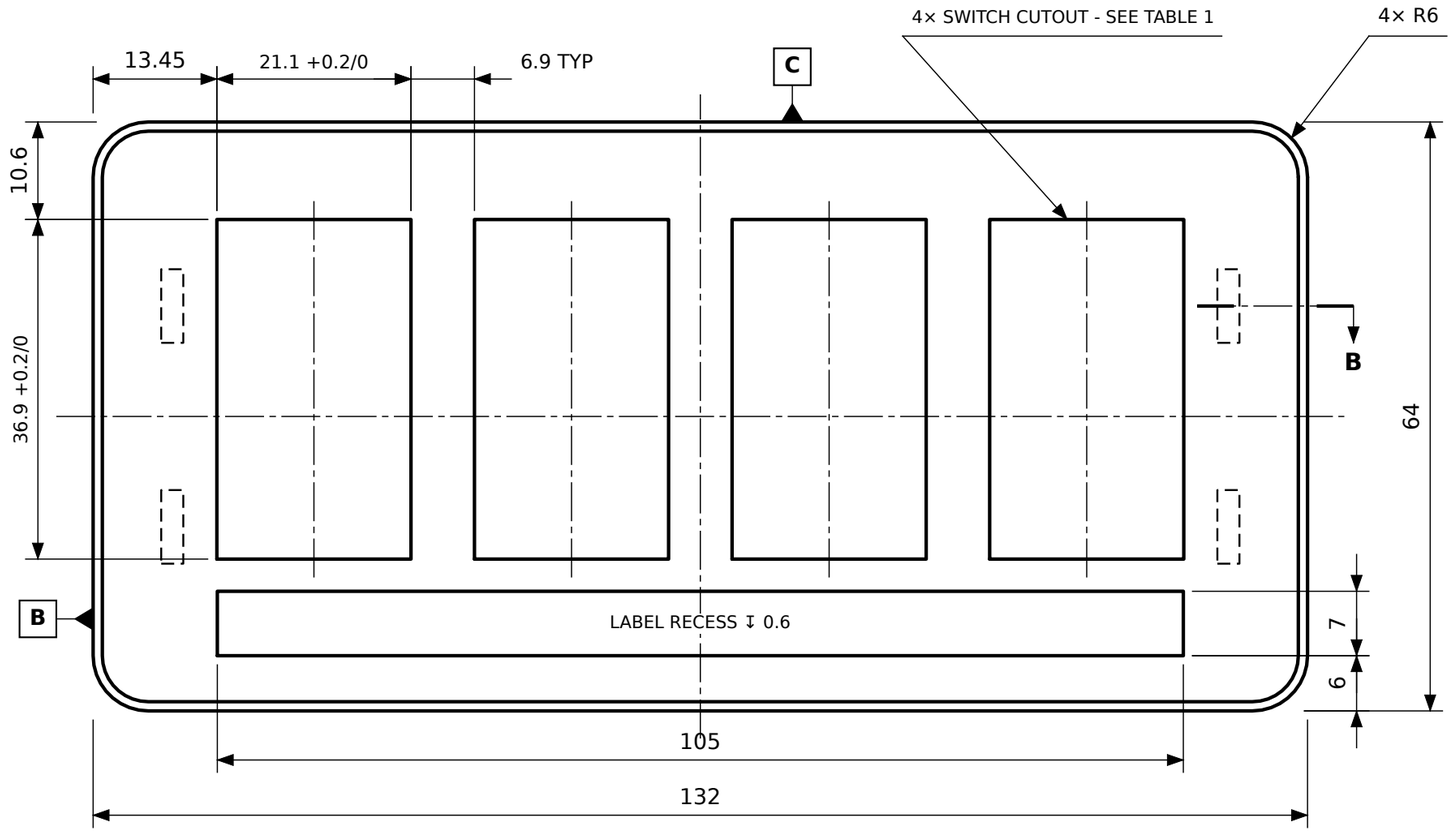


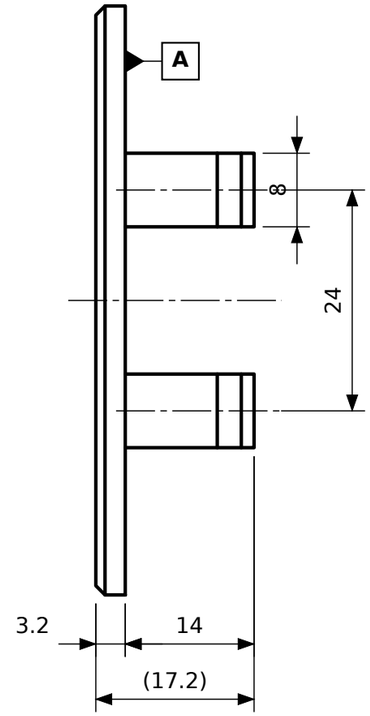
TOP VIEW
SCALE 1.5:1

NOTES - UNLESS OTHERWISE SPECIFIED

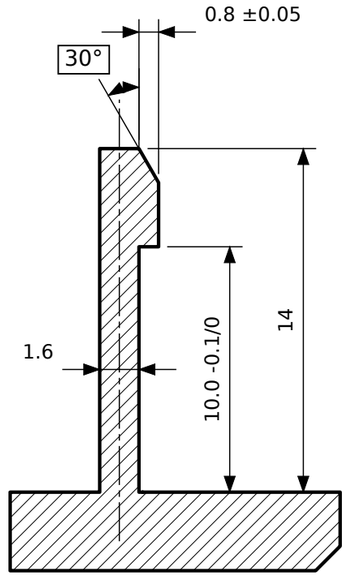
1. DIMENSIONS IN MILLIMETRES. THIRD-ANGLE PROJECTION. DO NOT SCALE.
2. MATERIAL: ASA. (CAB INTERIORS PASS 80°C - PLA / PETG WILL CREEP.)
3. GENERAL TOLERANCES ±0.2. ANGLES ±1°.
4. ALL EDGES BROKEN 0.5 mm UNLESS NOTED.
   EXCEPTIONS: SWITCH CUTOUTS, HOOK LATCH FACES, DATUM A - SHARP.
5. DATUM A = BACK FACE (SEATS ON 07-2 RIM). B = LEFT EDGE. C = TOP EDGE.
6. SWITCH CUTOUTS: 4 PLACES, IN LINE. CORNERS R0.5 MAX.
7. 4× SNAP HOOKS, SYMMETRIC ABOUT BOTH CENTRE LINES. SECTION B-B.
8. HOOK ARMS PRINT UPRIGHT: 100% INFILL IN ARMS. ROOT STRAIN ≈ 1.9%.
9. PRINT FRONT FACE DOWN, NO SUPPORTS. 4 WALLS, 20% GYROID.
10. LABEL RECESS TAKES A 104 x 6.8 PRINTED OR VINYL STRIP.



FRONT VIEW
SCALE 1.5:1



RIGHT VIEW
SCALE 1.5:1



LATCH FACE SQUARE TO ARM, SHARP

SECTION B-B
SCALE 4:1 (TYPICAL OF 4 HOOKS)

TABLE 1 - FIT TO CONTURA-STYLE ROCKER SWITCHES (NOT SUPPLIED)

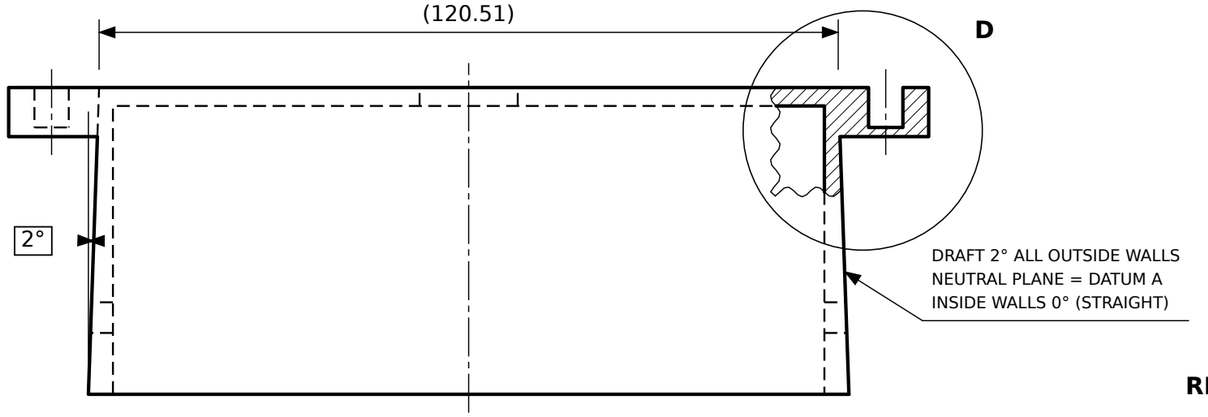
FEATURE	07-1 BEZEL	ROCKER SWITCH (CHECK IT)	RESULT
CUTOUT	21.1 x 36.9 +0.2/0	PANEL HOLE 21.08 x 36.83	0.02-0.27 CLEARANCE PER AXIS
PANEL	PLATE 3.2 THK	CLIPS SUIT 0.76-6.35 PANEL	NO GASKET: 3.17 (1/8") PREFERRED
DEPTH	07-2 INSIDE (47) REF	BODY + CONNECTOR BEHIND PANEL	MUST BE 44 MAX
SNAP	HOOK 0.8 OVER ARM	0.2 SIDE CLEARANCE IN 07-2	0.6 LATCH ENGAGEMENT

GEARHED DESIGN & FABRICATION - PRACTICE 07 - 4-GANG ROCKER SWITCH PANEL (GDF-P07)

COMPANY: **GEARHED DESIGN & FABRICATION**			
TITLE: **07-1 SWITCH BEZEL (4-GANG)**			
MATERIAL: ASA (FDM)		UNITS: **MILLIMETRES**	
DWG NO.: **GDF-P07-1**	SCALE: 1.5:1	SIZE / SHEET: A3 1 OF 3	THIRD ANGLE PROJECTION
CLIENT / PROJECT: GDF PRACTICE 07 - SWITCH PANEL		DATE / REV: 2026-11-03 A	

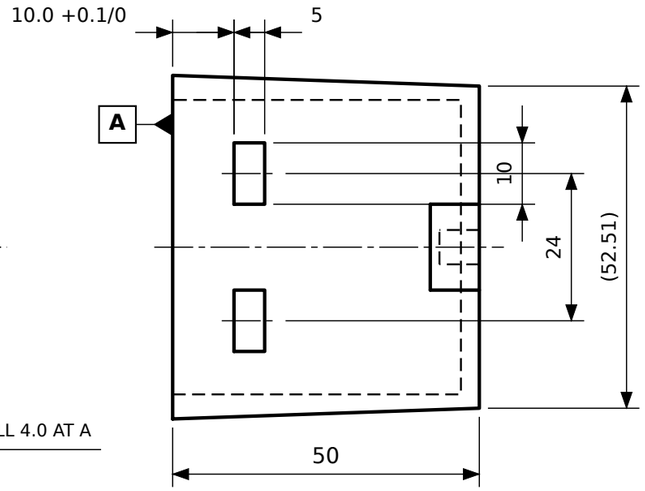
TOP VIEW

SCALE 1:1, BROKEN-OUT ON THE EAR CENTRE PLANE (Y = 0)



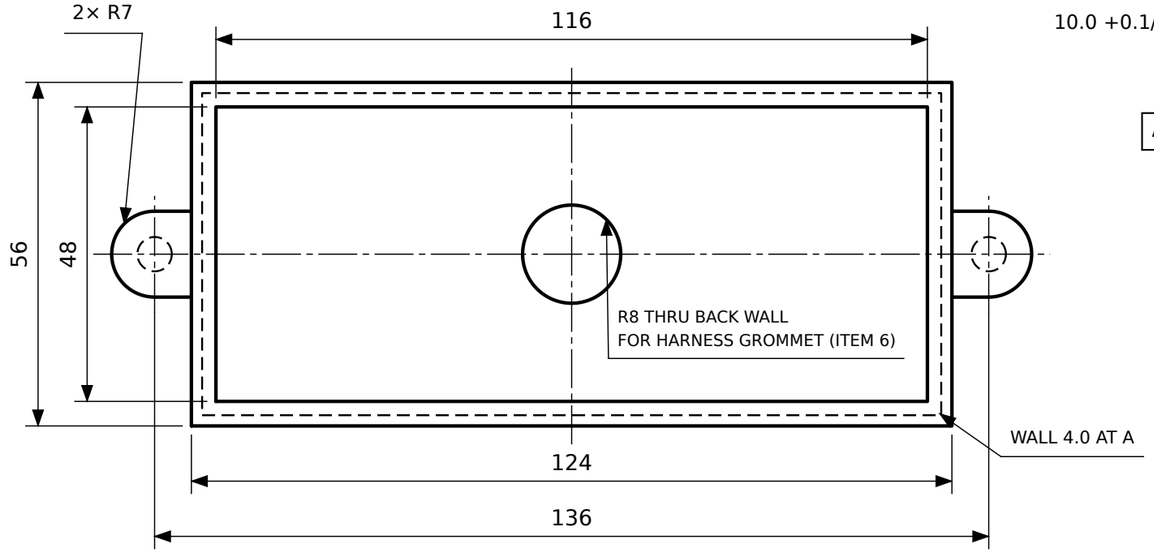
RIGHT VIEW

SCALE 1:1



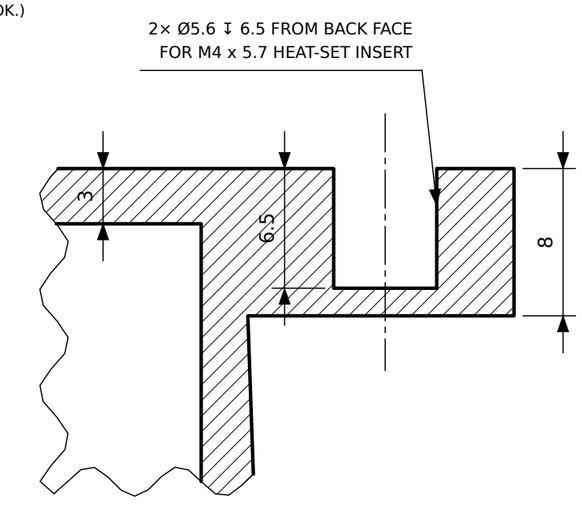
FRONT VIEW

SCALE 1:1



NOTES - UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS IN MILLIMETRES. THIRD-ANGLE PROJECTION. DO NOT SCALE.
2. MATERIAL: ASA (SAME AS 07-1).
3. GENERAL TOLERANCES ±0.2. ANGLES ±1°.
4. ALL EDGES BROKEN 0.5 mm UNLESS NOTED.
   EXCEPTIONS: DATUM A RIM AND WINDOW FRONT EDGES - LEAVE SHARP.
5. DATUM A = FRONT RIM FACE. 07-1 BACK FACE SEATS HERE.
6. CAVITY 116 x 48 CENTRED, STRAIGHT WALLS, BACK WALL 3.
7. 4× SNAP WINDOWS THRU, BOTH END WALLS, SYMMETRIC ABOUT Y = 0.
8. EARS FLUSH WITH THE BACK FACE. INSERTS PRESSED FROM THE BACK.
9. PRINT BACK FACE DOWN, NO SUPPORTS. 4 WALLS, 15% GYROID.
   (WINDOWS BRIDGE 10 mm - OK.)



DETAIL D

SCALE 3:1 (BROKEN-OUT ON Y = 0)

TABLE 2 - SNAP FIT, 07-1 HOOKS IN 07-2 WINDOWS

PAIR	07-1 BEZEL	07-2 HOUSING	RESULT
LATCH	HOOK 10.0 -0.1/0 FROM A	WINDOW 10.0 +0.1/0 FROM A	0 - 0.2 AXIAL PLAY
ARMS	115.6 ±0.1 OVER ARMS	CAVITY 116 ±0.2	0 - 0.7 CLEARANCE ON WIDTH
WIDTH	HOOK 8	WINDOW 10	1 PER SIDE
SEAT	BACK FACE A	RIM FACE A	FLAT ON FLAT, NO GAP

GEARHED DESIGN & FABRICATION - PRACTICE 07 - 4-GANG ROCKER SWITCH PANEL (GDF-P07)

COMPANY
GEARHED DESIGN & FABRICATION

TITLE
07-2 SWITCH HOUSING

MATERIAL	UNITS
ASA (FDM)	**MILLIMETRES**

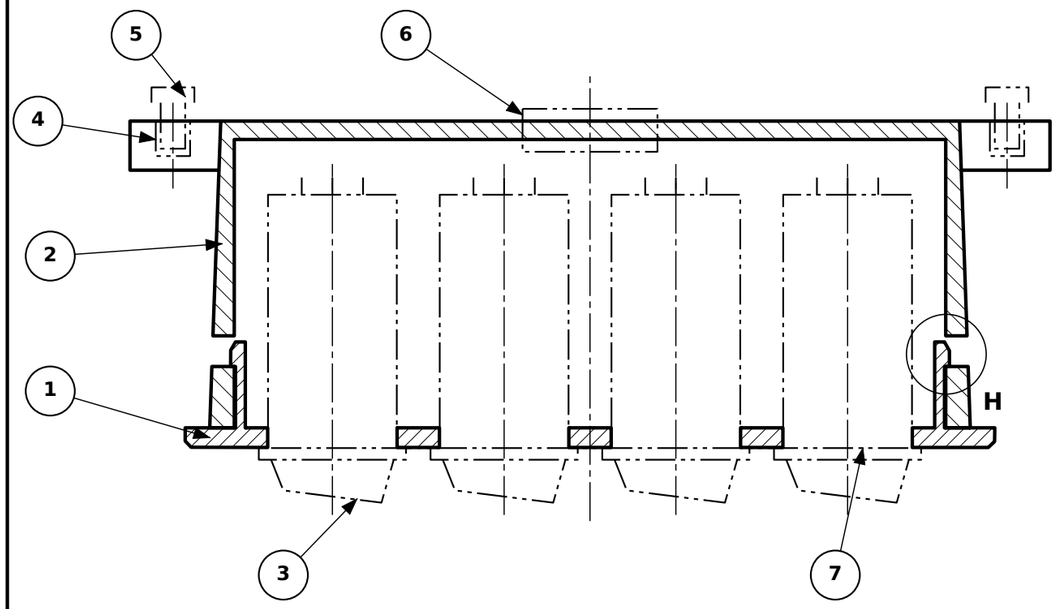
DWG NO.	SCALE	SIZE / SHEET	
GDF-P07-2	1:1	A3 2 OF 3	THIRD ANGLE PROJECTION

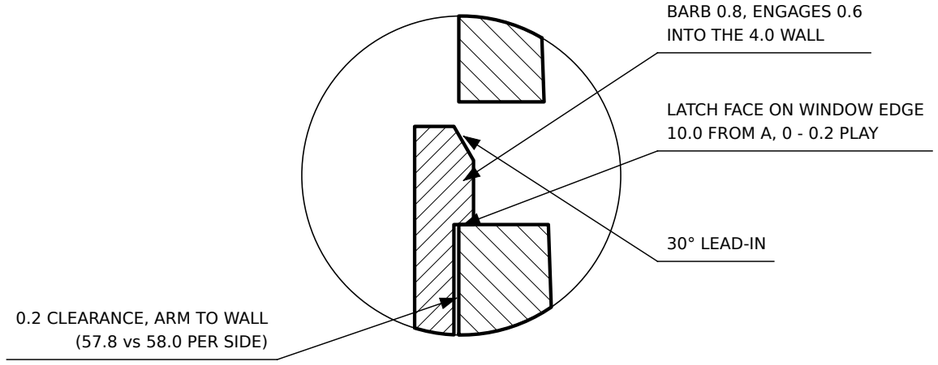
CLIENT / PROJECT	DATE / REV
GDF PRACTICE 07 - SWITCH PANEL	2026-11-03 A

ASSEMBLY - SECTION ON Y = +12 (HOOK AND WINDOW CENTRES)

SCALE 1:1, VIEWED FROM ABOVE (DRIVER SIDE AT THE BOTTOM). ITEMS 3-7 SHOWN PHANTOM.

FOR INFORMATION ONLY - DO NOT MODEL FROM THIS VIEW





DETAIL H

SCALE 4:1 (HOOK ENGAGED)

PARTS LIST

ITEM	PART	QTY	NOTE
1	07-1 SWITCH BEZEL	1	GDF-P07-1, ASA, PRINT FRONT FACE DOWN
2	07-2 SWITCH HOUSING	1	GDF-P07-2, ASA, PRINT BACK FACE DOWN
3	CONTURA-STYLE ROCKER SW.	4	PURCHASED. CHECK PER SHEET 1 TABLE 1
4	M4 x 5.7 HEAT-SET INSERT	2	BRASS, INTO 07-2 EARS FROM THE BACK
5	M4 SCREW	2	LENGTH TO SUIT THE MOUNTING BRACKET
6	RUBBER GROMMET	1	FOR A 16 mm (5/8") PANEL HOLE
7	LABEL STRIP	1	104 x 6.8, IN THE 07-1 LABEL RECESS

PRINT PLAN (ESTIMATE - NOT SLICED)

PART	VOLUME (MODEL)	EST. PRINT	ORIENTATION
07-1 BEZEL	17.1 cm³	1 - 1.25 h	FRONT FACE DOWN
07-2 HOUSING	71.3 cm³	3 - 3.5 h	BACK FACE DOWN
TOTAL	88.4 cm³	4 - 4.75 h	K2 PLUS, 0.2 LAYERS, NO SUPPORTS

ASSEMBLY

1. PRESS ITEM 4 INSERTS INTO THE 07-2 EARS WITH A SOLDERING IRON, FLUSH WITH THE BACK FACE.
2. SNAP THE ITEM 3 SWITCHES INTO 07-1 FROM THE FRONT. CHECK EACH ONE CLIPS IN WITHOUT FORCE AND SITS SQUARE IN ITS CUTOUT.
3. FIT ITEM 6 IN THE BACK WALL. FEED THE HARNESS THROUGH IT AND WIRE THE SWITCHES BEFORE CLOSING THE PANEL.
4. PUSH 07-1 STRAIGHT INTO 07-2 UNTIL ALL 4 HOOKS CLICK. BEZEL BACK FACE SEATS FLAT ON DATUM A.
5. TO OPEN: PRESS EACH BARB IN THROUGH ITS WINDOW (SMALL PICK).
6. BOLT TO THE BRACKET WITH ITEM 5. APPLY ITEM 7 LAST.

GEARHED DESIGN & FABRICATION - PRACTICE 07 - 4-GANG ROCKER SWITCH PANEL (GDF-P07)

COMPANY: **GEARHED DESIGN & FABRICATION**			
TITLE: **07 ASSEMBLY - 4-GANG SWITCH PANEL**			
MATERIAL: SEE PARTS LIST		UNITS: **MILLIMETRES**	
DWG NO.: **GDF-P07-0**	SCALE: 1:1	SIZE / SHEET: A3 3 OF 3	THIRD ANGLE PROJECTION
CLIENT / PROJECT: GDF PRACTICE 07 - SWITCH PANEL		DATE / REV: 2026-11-03 A	