

NOTES

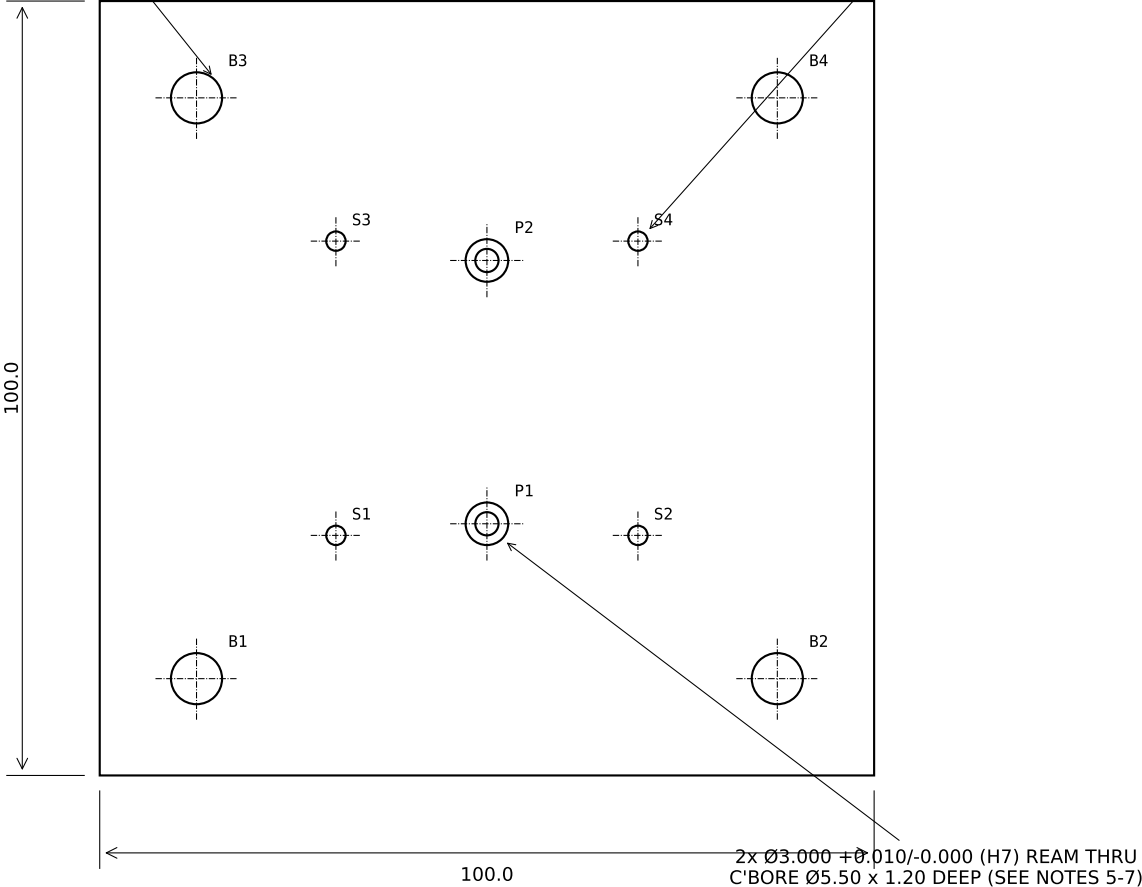
1. UNITS: MM. GEOMETRY AND ALL UNTOLERANCED DIMENSIONS PER 3D MODEL (ellipse_d_adapter.step).
2. MATERIAL: ALUMINUM 6061-T6, PLATE 100.0 x 100.0 x 8.0 MM.
3. GENERAL TOLERANCE: ±0.10 MM UNLESS OTHERWISE SPECIFIED.
4. TAP M3 x 0.5 THRU, 4 PLACES (S1-S4). HOLES MODELED AT Ø2.50 TAP-DRILL DIAMETER.
5. REAM Ø3.000 +0.010/-0.000 MM (H7) THRU, 2 PLACES (P1-P2), FOR Ø3 PRESS-FIT DOWEL (MISUMI SFSSS3). DO NOT TAP. MAX 0.1 MM EDGE BREAK ON THESE BORES.
6. C'BORE Ø5.50 +0.10/-0.00 x 1.20 +0.10/-0.00 DEEP FROM TOP FACE, 2 PLACES (P1-P2), CONCENTRIC WITH H7 BORES.
7. TRUE POSITION OF P1-P2 WITHIN Ø0.05 MM RELATIVE TO THE S1-S4 PATTERN AND TO EACH OTHER. ALL OTHER HOLES WITHIN Ø0.20 MM.
8. BREAK ALL OUTSIDE EDGES 0.5 MM x 45°; DEBURR ALL HOLES. FACES FLAT AND FREE OF RAISED MATERIAL.
9. FINISH: AS MACHINED. DO NOT ANODIZE OR COAT (WOULD UNDERSIZE THE H7 BORES).

HOLE TABLE

ID	X (MM)	Y (MM)	CALLOUT
B1	-37.50	-37.50	Ø6.60 THRU
B2	+37.50	-37.50	Ø6.60 THRU
B3	-37.50	+37.50	Ø6.60 THRU
B4	+37.50	+37.50	Ø6.60 THRU
S1	-19.50	-19.00	M3 x 0.5 TAP THRU
S2	+19.50	-19.00	M3 x 0.5 TAP THRU
S3	-19.50	+19.00	M3 x 0.5 TAP THRU
S4	+19.50	+19.00	M3 x 0.5 TAP THRU
P1	+0.00	-17.50	Ø3.0 H7 REAM THRU + C'BORE
P2	+0.00	+16.50	Ø3.0 H7 REAM THRU + C'BORE

4x Ø6.60 THRU

4x TAP M3 x 0.5 THRU
(SEE NOTE 4)



TOP VIEW - PLATE 100 x 100 x 8 MM, EDGES CHAMFERED 0.5 MM

ELLIPSE-D BREADBOARD ADAPTER PLATE REV E
 MATERIAL: 6061-T6 ALUMINUM THICKNESS: 8.0 MM
 UNITS: MM SCALE: NTS SHEET 1 OF 1
 SOURCE: ellipse_d_adapter.py + .step