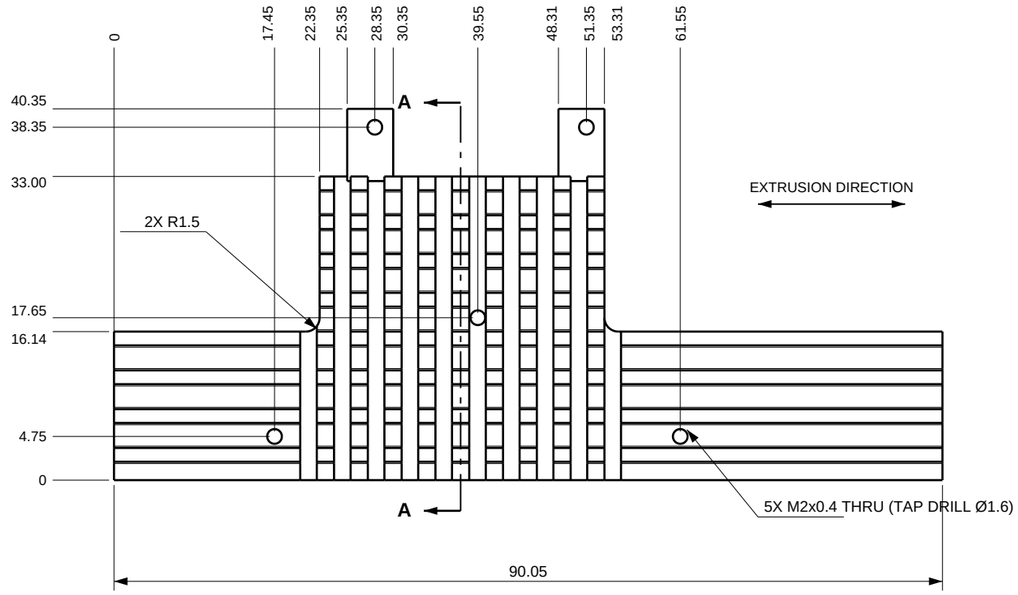
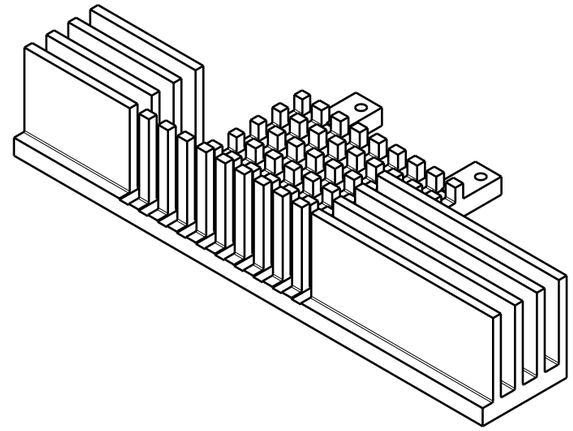
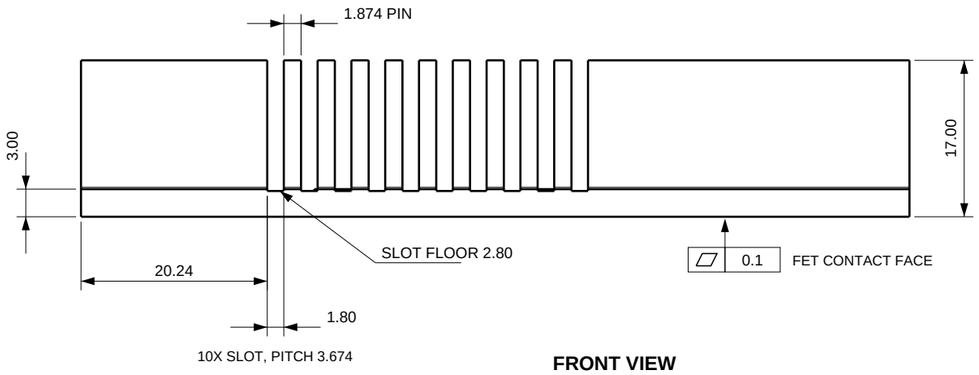


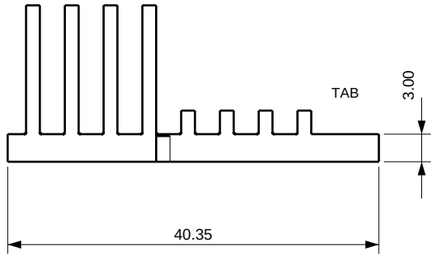
TOP VIEW



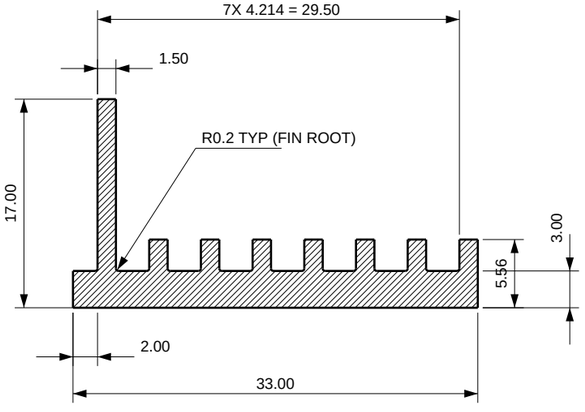
ISOMETRIC VIEW (SCALE 1.2:1)



FRONT VIEW



RIGHT VIEW



SECTION A-A (SCALE 2:1)

NOTES:

1. MATERIAL: ALUMINIUM 6063-T5. INTENDED PROCESS: EXTRUDED PROFILE (FIN ROWS RUN ALONG X), CUT TO LENGTH, CNC SECONDARY OPS.
2. FINISH: CLEAR ANODIZE (TYPE II) OR CLEAR CHROMATE CONVERSION. NO BLACK ANODIZE REQUIRED.
3. GENERAL TOLERANCES: ISO 2768-mK UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS IN mm.
4. FLATNESS 0.1 ON BOTTOM (FET CONTACT) FACE, ENTIRE SURFACE. SKIM FACE IF NEEDED TO MEET.
5. 5X M2x0.4 TAPPED THRU, TAP DRILL Ø1.6. TAP AFTER FINISH. FOR NON-METALLIC (PEEK/NYLON) SCREWS.
6. 10X CROSS-CUT SLOTS 1.80 WIDE AT 3.674 PITCH, CENTRE REGION ONLY, FLOOR 2.80 FROM BOTTOM. OUTER FIN SECTIONS (LEFT AND RIGHT OF SLOTS) REMAIN CONTINUOUS STRAIGHT FINS - NO CROSS-CUTS.
7. FAN-AREA PINS (9 COLUMNS x 7 ROWS, BEHIND FRONT ROW) MACHINED FLAT TO 5.56 FROM BOTTOM. FRONT FIN ROW REMAINS FULL HEIGHT (17.00). FAN (30x30) IS RETAINED BY ENCLOSURE, NOT THIS PART.
8. FIN ROWS: 8X 1.50 THK AT 4.214 PITCH; FLAT TIPS. FIN ROOT R0.2 FROM EXTRUSION.
9. OUTLINE INSIDE CORNERS R1.5 WHERE SHOWN; OTHER INSIDE CORNERS R1.5 MAX (TOOL RADIUS ACCEPTABLE).
10. DEBURR ALL SLOTS, HOLES AND FIN/PIN TIPS. BREAK SHARP EDGES 0.1-0.2. NO BURRS IN FIN CHANNELS.
11. HIDDEN LINES OMITTED FOR CLARITY. 3D MODEL (STEP, REV 8) GOVERNS GEOMETRY NOT DIMENSIONED.

AATRRAL

HEATSINK, BOOST STAGE - PIN/FIN, FAN-COOLED

PART / FILE	REV	DATE
Heatsink_Fanspace_screwholes	**8**	**2026-10-04**
MATERIAL	MASS	SHEET
AL 6063-T5	**30.8 g**	**1 / 1 A3**
FINISH	SCALE	UNITS / TOL
CLEAR ANODIZE / CHROMATE	**1.5:1 (U.O.S.)**	**mm / ISO 2768-mK**
DRAWN	APPROVED	THIRD ANGLE
San		