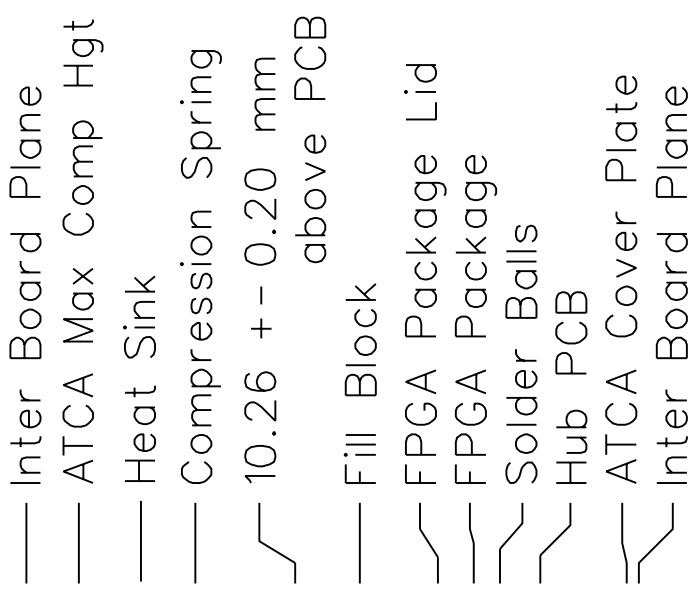


Hub UltraScale Heat Sink Assembly



Drw: M25
 Rev. —
 15-Dec-2017

F.O. —
 Notch

Max Height }
 Hub Comp. }
 ROD PCB —
 4.0 mm —
 6.61 mm —
 ATCA Defined

EXL1-254-R0 Extrusion 10.0 mm height

The Hub pcb is 3.07 mm thick.
 FPGA top Lid surface is: 3.71 mm min
 4.11 mm max above the pcb surface.
 ATCA pitch is 30.48 mm
 ATCA max component height is 21.33 mm
 above the pcb's upper surface.
 The 4-40 button head screw
 head height is 1.5 mm.
 The 4-40 washer is 7.9 mm OD
 and 0.71 to 0.91 mm thick

The Fill Block is 1/4" or 6.35 mm thick
 and 2.0" or 50.8 mm wide vs
 47.5 mm wide for the FPGA

Hub top to ROD bottom is 4.0 mm
 Max. Hub comp heights: DCDC 10.9 mm,
 Choke 9.5 mm, PLL 5.9 mm, Enet 11.0 mm
 Y dimension is accurate and to scale.
 Not all hidden lines have been removed.

The spring height shown, 5.4 mm results
 in 4.8 lbs of clamping force per spring.