

DCB Assembly Summary List

- Gather materials (5 min)
- Place thermal filler on *flat* side of backplate (1 min)
 - Remove excess thermal filler in screw holes (5 min)
- Install heat pipes
 - Spread thermal paste on two heat pipes (3 min)
 - 2x10 **M3** countersunk screws (3 min)
 - Place sticker on backplate
- Inspect new DCB
 - Visually inspect DCB: connectors, pins, scratches, solder globs (2 min)
 - Place Kapton tape on solder pads (1 min)
 - Place sticker on board
- Screw in board to baseplate, attach jumpers
 - *Note: Check ground isolation with only a few screws in (1 min)*
 - 16 **M2.5** countersunk screws with 2.5mm Kapton washers and stand-off hex nuts (12 min)
 - 8 **M3** countersunk screws with 3mm Kapton washers and hex nuts (6 min)
 - Tighten all screws--don't hurt the board! (3 min)
 - Check ground isolation with all screws in (1 min)
 - Attach 10 jumpers (3 min)
- Assemble 4 mezzanines per board
 - Clip off nubs (4x1=4 min)
 - Attach VTT/Rx, screw in 2 **M1.4** screws (4x2=8 min)
- Update the database, put assembled DCB and mezzanines away (2 min)

