



ES34 TouchPad

Construction Guide

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ES34 TouchPad

Construction of the ES34 requires the assembly of 2 boards:-

Main Board - ES34 PCB ([3D Model](#))

Touch Board - TouchBoard PCB ([3D Model](#))

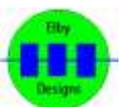
Constructors should refer to the printed Component Overlay for any specific comments regarding the board assembly, the Bill of Materials for the current value of all components and [General Construction Notes](#) for general pcb assembly guidelines. You are advised to check all of these documents on our website to ensure you have the latest copy.



1. Assemble the TouchBoard being careful not to mark the front face of the PCB
2. Fit all components to the ES34 board except for the DB9 connector (J1)
3. Fit 4x M3x12mm spacers using th 4x M3x6mm bolts
4. Remove the protective strip from the 4 adhesive strips in the lid section of the enclosure
5. Install the lid and press firmly to ensure good contact with the adhesive strips
6. Offer the ES34 assembly up to the front panel and use the 2x RS232 bolts to temporarily hold the assembly to the front panel
7. Fit the TouchPad PCB ensuring that the TouchPad header mates properly with its mating receptacle on the ES34
8. Holding the assembly together, use the 2x M3x8mm socket screws to secure the TouchPad PCB to the ES34 PCB
9. Holding the assembly together, remove the 2x RS232 bolts
10. Install the DB9 connector J1 carefully guiding its pins to the ES34 PCB
11. When in position, secure using the 2x RS232 bolts.
12. Solder the DB9 into place.

Calibration

The ES34 does not require any calibration or set-up.



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