

Component Sorting Trays

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electronics & Prototyping

Component sorting trays are compartmented plastic trays used to separate, count and organise small electronic parts during build and stock tasks. They keep class sets of resistors, capacitors, LEDs and fasteners tidy and stop mixed-up batches.

Key Features

- Compartments from 4 to 30 per tray
- Stackable and interlocking rims
- Anti-static versions for sensitive parts
- Transparent or coloured bodies
- Labels fitted to each compartment

Typical Uses in the Workshop

- Sort resistor and capacitor kits by value
- Give each group a tray of project parts
- Count and check stock at lesson end
- Separate fasteners and hardware during assembly

Safe Operation

1. Label compartments with the part names or values
2. Sort parts in one direction for counting
3. Return parts to the tray at the end of the lesson
4. Count stock against the tray label
5. Clean trays before storing

SAFETY NOTES

- Keep small parts away from small children
- Never store food in component trays
- Check labels clearly for hazardous parts
- Keep trays out of direct sunlight that fades labels
- Stack trays evenly to avoid falls

Maintenance & Consumables

- Wash trays and dry before reuse
- Replace faded or torn labels
- Check antistatic trays still test conductive
- Stack neatly and store on shelves
- Reorder parts when trays run low

Specification & Buying Notes

Buy stackable trays in a few compartment sizes plus a label maker. Antistatic trays are worth the extra for IC and MOSFET storage. Transparent lids let students check contents without opening.