Prototyping and Soldering Kit
EU

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The prototyping and soldering kit - EU are listed below:

1. ESD Digital Soldering Station

Overview

This is a premium smart digital soldering station. This product has been widely used in institutes, industrial production line, maintenance industry and other fields on the basis of sophisticated and practical product features

Applicable to

• Laboratories
• Production line
• Communication service maintenance
• Institutes
• Teaching and practice

Features

• High definition LCD display, looks splendid
• Quick temperature storing and retrieving to switch between frequently-used temperatures immediately
• Heater is manufactured by high-end temperature resistant material and through advanced process to obtain longer life span and save more
• Digital temperature calibration enable easy operation
• Temperatures read in Celsius or Fahrenheit
• Compatible with international brand tips, convenient to choose tips

Specifications

Power Consumption	: 60W
Power Source	: 220V AC ±10% 50Hz(110V AC 60Hz optional)
Temperature Range	: 150°C to 450°C (302°F to 842°F)
Temperature Stability	: ±2°C (still air, no load)
Temperature Accuracy	: ±15°C
Tip-to-ground Impedance	: <2Ω
Tip-to-ground Potential	: <2mV
Setting Manner	: Buttons
Temperature Calibration	: Digital calibration
Heater	: 60W dual-wire ceramic heater
Dimensions	: (L)146mm × (W)120mm × (H)91mm
Net Weight	: 1.8kg

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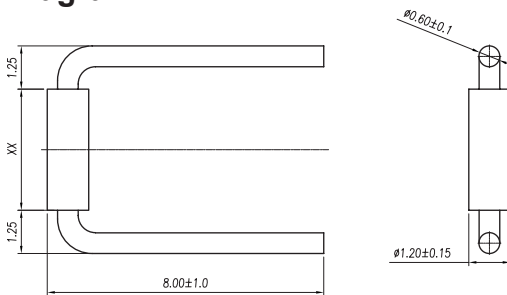
2. Helping Hand

Features

- A very useful piece of apparatus which allows PCB or any delicate work to be held position by means of two large crocodile clips
- Enables user to keep both hands free for positioning
- Soldering and assembling

3. Jumper Wire

Diagram

Dimensions : Millimetres

Linear Dimension (Tolerance Standard GB/T 14486-2008)												$\equiv$	$-$	$\square$	$/\!/$	$\perp$
Variable Range	to 6	Over 6 to 10	Over 10 to 18	Over 18 to 30	Over 30 to 50	Over 50 to 80	Over 80 to 120	Over 120 to 160	Over 160 to 200	Over 200 to 250	Over 250 to	all	to 5	Over 5 to 30	Over 30 to 120	Over 120 to
Tolerance	±0.1	±0.14	±0.19	±0.25	±0.32	±0.45	±0.57	±0.72	±0.88	±1.05	±1.25	0.5	0.025	0.06	0.12	0.4

Notes:

1. XX for lengths of jumper wires
2. Wires Lengths, Colours and Quantity:
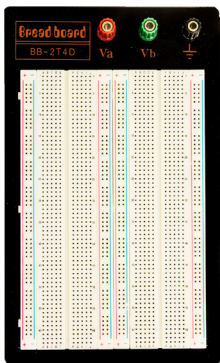   2mm: bare wire, 10 Pcs
   5mm: Red, 10 Pcs

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7mm: Orange, 10 Pcs
10mm: Yellow, 10 Pcs
12mm: Green, 10 Pcs
15mm: Blue, 10 Pcs
17mm: Purple, 10 Pcs
20mm: Grey, 10 Pcs
22mm: White, 10 Pcs
25mm: Brown,10 Pcs
50mm: Red, 10 Pcs
75mm: Orange, 10 Pcs
100mm: Yellow, 10 Pcs
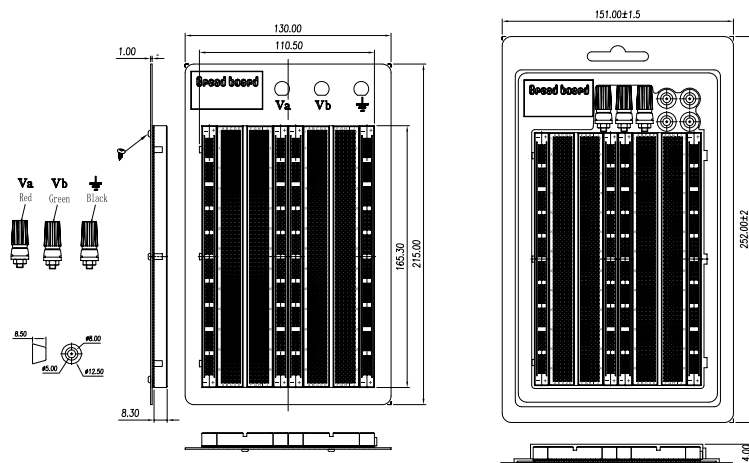125mm: Green, 10 Pcs
3. Wire Range: 22AWG/Single Conductor

4. Solderless Breadboard

Specifications

Housing Material	: ABS Plastic
Spring Clips	: Copper, Ni plated
Wire Range	: Sol 29AWG to 20AWG
Rated Voltage	: 300V
Rated Current	: 3A to 5A
2 Terminal Strip	: 1,260 Tie-point
4 Distribution Strip	: 400 Tie-point
3 Binding posts	
Black Metal Plate	: 215mm × 130mm × 1mm
Pitch	: 2.54mm
Dimensions	: 110.5mm × 165.3mm × 8.3mm

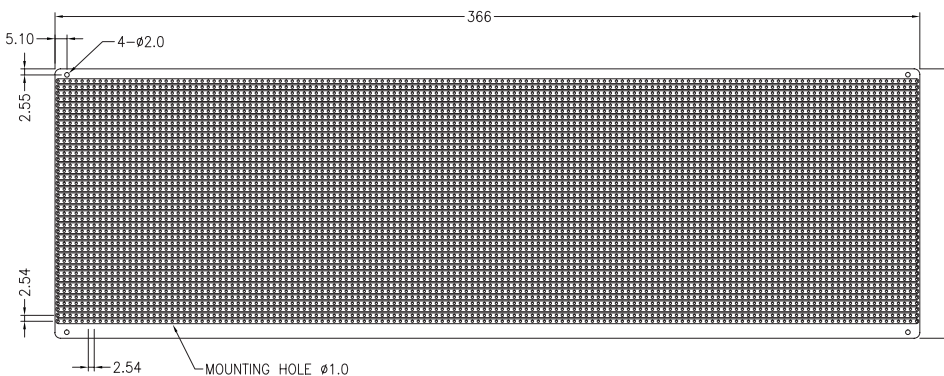## Diagram

Dimensions : Millimetres

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Linear Dimension (Tolerance Standard GB/T 14486-2008)												≡	—	⬭	//	⊥
Variable Range	to 6	Over 6 to 10	Over 10 to 18	Over 18 to 30	Over 30 to 50	Over 50 to 80	Over 80 to 120	Over 120 to 160	Over 160 to 200	Over 200 to 250	Over 250 to	all	to 5	Over 5 to 30	Over 30 to 120	Over 120 to
Tolerance	±0.1	±0.14	±0.19	±0.25	±0.32	±0.43	±0.57	±0.72	±0.88	±1.05	±1.25	0.5	0.025	0.06	0.12	0.4

5. Strip Broad Single Side

Diagram

Dimensions : Millimetres

Notes:

Dimensions:
Single-side stripboard 0.1" matrix pitch
366mm (L) × 114mm (W) × 1.6mm (T)
41 Strips × 144 Rows
Mounting Hole Dia. 1mm
Plastic Material
Bakelite, UL94V-0 with copper strip and tin coating

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6. Solder Wire, Lead Free

Features

- Contains multiple cores of rosin based flux
- Pale coloured residues do not require cleaning
- Extra wetting ability for faster soldering
- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Specifications

Flux Type	: No Clean and Rosin Flux
Solder Alloy	: 99.3, 0.7 Sn, Cu
External Diameter	: 1.2mm
Melting Temperature	: 27°C
Weight	: 250g

7. 5-in-1 Automatic Wire Stripper

Features

- Designed for easy wire stripping
- Steel jaws automatically adjust to strip wire from 10-26AWG
- Built-in wire cutter
- Crimps insulated and non-insulated terminals 10-22AWG
- Ergonomic grip for comfort
- Length: 215mm

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8. Aluminium Desoldering Pump, Gold in colour

A range of aluminium desoldering pumps with PTFE nozzle.

Specifications

Length   : 194mm
Body Diameter   : 20mm
Tip Hole Diameter : 3.2mm

Part Number Table

Description	Part Number
Prototyping And Soldering Kit - EU	MC002112

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