

Spade Terminal Set

Assemble your own connectors with this set. It includes different types of crimp connectors and heat shrink tubing.

- 30 each male spade crimp: 2.8mm, 4.8mm, 6.3mm
- 30 each female spade crimp: 2.8mm, 4.8mm, 6.3mm
- 30 each silicone cover for: 2.8mm, 4.8mm, 6.3mm
- 10 each PCB tab: 2.8mm, 4.8mm, 6.3mm
- 90 x Lengths of Heat shrink tubing

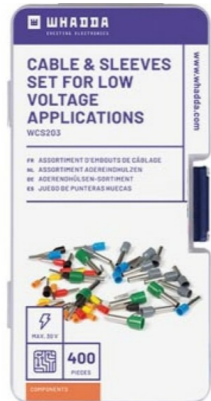


Code	Description
WCS200	Spade Terminal and Heat shrink Set in a storage box.

Cord End Crimps (Bootlace Ferrules)

Box of 400 assorted Cord end crimp terminals suitable for crimping on to stranded wires, to help provide secure mechanical and electrical fitting into screw terminals.

- 50 of each cable end sleeves:
- green for 6mm²
- grey for 4mm²
- blue for 2.5mm²
- black for 1.5mm²
- red for 1mm²
- white for 0.75mm²
- yellow for 0.5mm (14 mm)
- orange for 0.5mm² (12mm)



Code	Description
WCS203	Cord End Crimp Set in a plastic storage box.

Coloured Heat Shrink Set

A selection of 170 various coloured pieces of heat shrink tubing with a shrink ratio 2:1. All pieces are approximately 100mm in length.

- 60 x Pieces of 1mm \varnothing
- 40 x Pieces of 2mm \varnothing
- 30 x Pieces of 3mm \varnothing
- 20 x Pieces of 4.5mm \varnothing
- 10 x Pieces of 6mm \varnothing
- 10 x Pieces of 9mm \varnothing

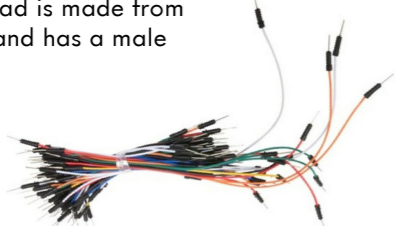


Code	Description
040-810	Coloured Heat Shrink Set in a plastic storage box.

Jump Wire Set

A kit containing 65 interconnecting wires for use with all of our solderless breadboards (Dupont Leads). There are seven different coloured leads (Red, Black, White, Yellow, Green, Orange and Blue). Each lead is made from 22AWG PVC coated wire and has a male pin on each end.

- 45 x 100mm
- 10 x 150mm
- 5 x 200mm
- 5 x 250mm



Code	Description
336-200	65pcs Breadboard Jump Wire Set

PCB Mounting Kit

M3 Nut, Bolt, Washer and Spacer Set. Ideal for the assembly of your electronic projects or modules into a box or case.

- 30 x Nylon nuts M3 x 2mm
- 5 x Nylon screws M3 x 6mm
- 5 each Nylon spacers with internal thread: M3 x 5mm, M3 x 10mm, M3 x 15mm, M3 x 20mm
- 5 each Nylon spacers with internal + external thread: M3 x 5mm, M3 x 10mm, M3 x 15mm, M3 x 20mm
- 5 each Brass spacers with internal thread: M3 x 6mm, M3 x 10mm, M3 x 15mm, M3 x 20mm
- 5 each Brass spacers with internal + external thread: M3 x 6mm, M3 x 10mm, M3 x 15mm, M3 x 20mm
- 20 x Nickel plated brass screws M3 x 8mm
- 40 x Nickel plated nuts M3
- 30 x Nickel plated washers M3



Code	Description
WCS400	PCB Mounting Screw, Nut & Spacer Set in a plastic storage box.

Black Heat Shrink Set

A selection of 127 various pieces of black heat shrink tubing with a shrink ratio 2:1. All pieces are approximately 40 - 80mm in length.

- 30 x Pieces of 2mm \varnothing
- 25 x Pieces of 2.5mm \varnothing
- 20 x Pieces of 3.5mm \varnothing
- 20 x Pieces of 5mm \varnothing
- 16 x Pieces of 7mm \varnothing
- 8 x Pieces of 10mm \varnothing
- 8 x Pieces of 12mm \varnothing



Code	Description
040-805	Black Heat Shrink Set in a plastic storage box.

Dupont Connectors

Create your own Dupont wires with this set. Choose from 1, 2, 3, 2 x 2, 2 x 3 or 2 x 4 connectors and make those cables work. 361 assorted 2.54mm pitch housings and 100 male and female contacts. Kit also includes 200mm of multicoloured ribbon cable.

- 20 each Single row 2.54mm housing: 1-pin, 2-pin, 3-Pin female
- 10 each Double row 2.54mm housing: 2-Pin, 3-Pin, 4-Pin female
- 100 x Male pin crimp terminals
- 100 x Female crimp terminals
- 10 each JST SM male 2.54mm 2-pin, 3-pin, 4-pin
- 10 each JST SM female 2.54mm 2-pin, 3-pin, 4-pin
- 2 each 40-Pin Headers 2.54mm Green, Yellow, White, Blue, Red
- 1 x Ribbon cable 200mm (multi-colour)



Code	Description
WCS202	Dupont Board connector Set in a plastic storage box.



Station Road, Cullercoats,
Tyne & Wear. NE30 4PQ



Ceramic Capacitor Set

A set of 224 ceramic capacitors, includes popular suppression and filter values. All values are supplied in bandolier style packaging.



- 21 x 10pF
- 14 x 22pF
- 14 x 47pF
- 21 x 100pF
- 14 x 220pF
- 14 x 470pF
- 21 x 1nF
- 14 x 2.2nF
- 14 x 4.7nF
- 21 x 10nF
- 14 x 47nF
- 21 x 100nF
- 7 x 220nF

Code	Description
872-000	K/CAP1 224pcs Ceramic Capacitor Set

Resistor and LED Accessory Set

This complete set includes 210 resistors, LED's, potentiometers, and push buttons, all neatly packaged in a storage box

- 5 x Red LED 5mm
- 5 x Green LED 5mm
- 5 x Yellow LED 5mm
- 4 x 16mm 50K potentiometers
- 6 x Key button 4-pin 12 x 12mm
- 9 x Round cap for 4-pin key button
- 6 x Square cap for 4-pin key button
- 2 x 40 pin 2.54 mm single row male pin header
- 30 x 0.25w resistors 100R, 1K, 4K7, 10K, 47K, 100K, 1M



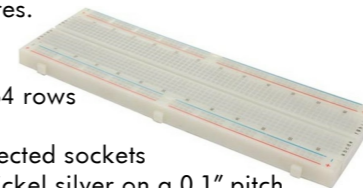
Code	Description
WPA505	Resistor, Switch and LED accessory Set in a storage box.

Prototyping Breadboard

Breadboard is a solderless device for temporary prototypes with electronics and circuit design testing. Most electronic components in circuit designs can be connected by inserting their leads or terminals into the holes and then, if necessary, making connections with wires.

A total of 830 contact points arranged in two groups of 64 rows of 5 interconnected sockets.

Four power rails of 50 connected sockets
Contacts are Silver plated nickel silver on a 0.1" pitch
Supplied with a self adhesive foam base



Code	Description
336-033	830 Tie Point Breadboard

Crimp Terminal Set

150 assorted Red, Blue and Yellow insulated crimp terminals.



Code	Description
135-000	Insulated Crimp Terminals Set in a plastic storage box.

Electrolytic Capacitor Set

A set of 120 radial electrolytic capacitors, includes popular smoothing and timing values. All capacitors are supplied loose inside blister style packaging.



- 15 x 1 μ F 50V
- 15 x 2.2 μ F 50V
- 15 x 10 μ F 50V
- 15 x 22 μ F 50V
- 15 x 47 μ F 25V
- 15 x 100 μ F 25V
- 5 x 220 μ F 25V
- 5 x 470 μ F 25V
- 5 x 1000 μ F 25V

Code	Description
805-000	K/CAP2 120pcs Electrolytic Capacitor Set

Light Emitting Diode Set 2

Multicoloured LED set which includes Green, Blue, Red, White and UV LED's as well as a colour changing RGB LED's. Infra Red and Intelligent RGB (WS2812D-F5) LED's

- 20 x 5mm Red, Green, Blue, Cold White, Warm White LED's
- 5 x Intelligent control RGB LED
- 5 x 5 mm IR LED
- 5 x RGB LED common anode
- 5 x RGB LED common cathode
- 5 x Fading RGB LED
- 5 x UV LED



Code	Description
WCS101	Light Emitting Diode Set 2 in a plastic storage box.

Integrated Circuits Set 1

This set includes timers, Op amplifiers, 8-bit shift registers, quadruple bus buffer gates, motor drivers and Darlington transistor arrays.

- 4 x LM324 Quad Comparator
- 4 x NE555 Timer
- 4 x 74HC595 8-Bit shift registers
- 4 x HCT125 Quadruple bus buffer
- 2 x L293D H bridge motor driver
- 4 x ULN2003 Transistor Array
- 4 x ULN2004 Transistor Array



Code	Description
WCS102	Integrated Circuits Set 1 in a plastic storage box.

Diode and Rectifiers Set

A set of general purpose signal and bridge rectifier diodes, including a couple of bridge rectifiers.

- 2 x W10G Bridge rectifiers
- 50 x 1N4007 Rectifier
- 50 x 1N4148 Signal
- 14 x 1N5408 Rectifier
- 4 x 6A6 High Current



Code	Description
700-000	K/DIODE1 Diode and Rectifier Set

E-12 Resistor Set

A pack of high-quality 0.25w 5% carbon film resistors, each value is supplied on a short bandolier. Contains 10 resistors of 61 different values in the E12 series.

- 10R, 12R, 15R, 18R, 22R, 27R, 33R, 47R, 56R, 68R, 82R, 100R, 120R, 150R, 180R, 220R, 270R, 330R, 470R, 560R, 680R, 820R, 1K, 1K2, 1K5, 1K8, 2K2, 2K7, 3K3, 4K7, 5K6, 6K8, 8K2, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 470K, 560K, 680K, 820K and 1M0

Code	Description
906-001	K/RES-E12 610pcs Carbon Film Resistor Set

Preset Potentiometers Set

A pack of 77 0.15W horizontal pre set potentiometers.

- 8 x 1K
- 8 x 4K7
- 15 x 10K
- 8 x 47K
- 15 x 100K
- 8 x 470K
- 15 x 1M

Code	Description
C-9448	Preset Potentiometers set in a plastic storage box.

MosFET Set

Popular general purpose Mosfet transistors.

- 1 x IRFZ44N N-channel
- 1 x IRF540N N-channel
- 1 x IRFP460 N-channel
- 1 x FQP47P06 P-channel
- 1 x IRL540 logic-level gate drive
- 1 x IRL44 logic-level gate drive
- 1 x NTP60N06L logic-level gate drive
- 1 x FQP27P06 logic-level gate drive
- 1 x NDP6020P logic-level gate drive
- 1 x Fast speed bipolar transistor insulated gate IGB
- 1 x SN74LVC245 octal bus transceiver with 3-State output

Code	Description
WCS103	MosFET set in a plastic storage box.

Self Tapping Screws Set

550 Assorted self tapping screws specially designed to be self-starting.

- 65 x No.4 x 1/2"
- 55 x No.4 x 5/8"
- 65 x No.6 x 3/8"
- 60 x No.6 x 5/8"
- 45 x No.6 x 3/4"
- 50 x No.8 x 1/2"
- 40 x No.8 x 5/8"
- 30 x No.8 x 1"
- 20 x No.8 x 1-1/4"
- 25 x No.10 x 3/4"
- 20 x No.10 x 1"
- 15 x No.10 x 1-1/4"

Code	Description
048-950	Self Tapping Screw Set in a plastic storage box.

E-13 Resistor Set

A pack of high-quality 0.25w 5% carbon film resistors, each value is supplied on a short bandolier. Contains 30 resistors of 16 different values in the E3 series.

- 10R, 22R, 47R, 100R, 220R, 470R, 1K, 2K2, 4K7, 10K, 22K, 47K, 100K, 220K, 470K, 1M0

Code	Description
906-008	K/RES-E3 480pcs Carbon Film Resistor set

Transistors Set 1

100 of the most popular general purpose signal transistors.

- 12 x BC327 PNP
- 12 x BC337 NPN
- 6 x BC516 PNP
- 6 x BC517 NPN
- 28 x BC547B NPN
- 28 x BC557B PNP
- 4 x BD139 NPN
- 4 x BD140 PNP

Code	Description
BC000	K/TRANS1 100pcs Transistor set 1

Transistors Set 2

A set of 150 popular general purpose signal transistors and multi-turn trimmers.

- 10 x KSA1015Y PNP
- 10 x KSC945 YBU NPN
- 10 x KSC1815 NPN
- 10 x SS8050 NPN
- 10 x SS8550 PNP
- 10 x SS9012 PNP
- 10 x SS9013 NPN
- 10 x SS9014 NPN
- 10 x SS9015 PNP
- 10 x SS9018 NPN
- 10 x 2N2222 NPN
- 10 x 2N3904 NPN
- 10 x 2N3906 PNP
- 10 x 2N5401 PNP
- 10 x 2N5551 BJT
- 10 x 100K Trimmers

Code	Description
WCS104	150pcs Transistor and Trimmer set in a plastic storage box.

Metric Nut and Bolt Set 1

330 Philips head zinc plated steel nuts and bolts.

- 20 x M2 x 12mm
- 20 x M2 x 19mm
- 20 x M3 x 12mm
- 20 x M3 x 19mm
- 20 x M4 x 12mm
- 10 x M4 x 25mm
- 40 x M2 Nuts
- 40 x M3 Nuts
- 30 x M4 Nuts
- 40 x M2 washers
- 40 x M3 washers
- 30 x M4 washers

Code	Description
048-930	K/SC1 Metric Nut and Bolt set 1 in a plastic storage box.

Voltage Regulator Set

Starter set to build your own power supplies kit includes heat sinks, electrolytic capacitors, diodes, resistors and insulating washers and screws.

- 3 each voltage regulators): 7805, 7812, 7912, 7815, 7824
- 3 x 33LPE3 voltage regulator (TO92)
- 10 each 0.25W resistors: 10 ohm, 330 ohm
- 10 x resistor trimmer 470 ohm
- 4 x heatsink for TO220 (25 x 15 x 10mm)
- 2 x heatsink for TO220 (15 x 10 x 20mm)

- 10 each electrolytic radial caps: 1000µF / 50V, 470µF / 50V, 10µF / 50V
- 3 x LM317 voltage regulator (TO220)
- 10 x ceramic capacitor 100nF
- 10 x 1N4007 diodes
- 2 x heatsink for TO220 (35 x 19 x 35mm)
- Screws and mica's for TO220 heatsinks

Code	Description
WCS100	Voltage Regulator set in a plastic storage box.

Metric Nut and Bolt Set 2

A box containing 180 Philips head zinc plated steel nuts and bolts.

- 20 x M2.5 x 12mm
- 20 x M2.5 x 19mm
- 20 x M3 x 12mm
- 20 x M3 x 19mm
- 10 x M3 x 25mm
- 40 x M2.5 Nuts
- 50 x M3 Nuts

Code	Description
048-918	K/SC2 Metric Nut and Bolt set 2 in a plastic storage box.

Light Emitting Diodes Set 1

A mixed pack of 80 assorted 3mm and 5mm LED's.

- 15 x 3mm green, 4.0mcd
- 20 x 3mm red, 1.0mcd
- 15 x 5mm green, 6.0mcd
- 20 x 5mm red, 2.0mcd
- 10 x 5mm yellow, 3.9mcd

Code	Description
710-000	K/LED1 80pcs Light Emitting Diode set 1

IC Sockets Set

A pack of 89 IC sockets. It contains all the popular stamped pin sockets.

- 30 x 8-Pin
- 18 x 14 Pin
- 20 x 16-Pin
- 6 x 18-Pin
- 5 x 24-Pin
- 4 x 28-Pin
- 4 x 40-Pin

Code	Description
C-9458	89pcs IC Socket set in a plastic storage box.

Assorted Push Switch Set

A selection of low voltage (30V) PCB/Breadboard mounting push button switches, with and without LED indication. Also included are 5 panel mounted round push switches.

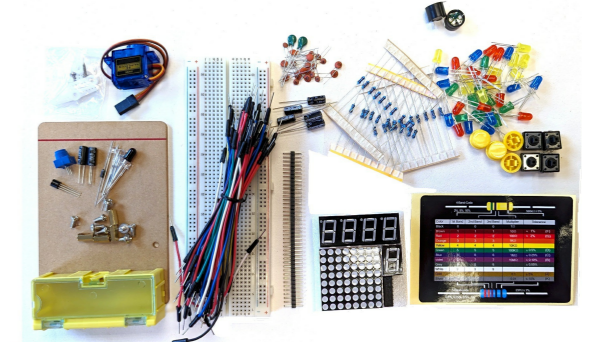
- 5 each tactile coloured switch caps: green, red, black, yellow, blue, white
- 30 x tactile switch 6 x 6mm PCB 4.3mm
- 10 x tactile switch 6 x 6mm PCB 9.5mm
- 3 x panel mount mini push button
- 3 x digitast push button
- 2 x digitast push button with 2 LED's
- 2 x panel mount mini push button with LED
- 2 x digitast push button with LED's

Code	Description
WCS300	Assorted Push Switch set in a plastic storage box.



Electronics Starter Kit

This set of electronic components is the ultimate kit for anyone interested in electronics and programming. It includes a wide range of components, including a breadboard, various LED's, a servo motor, both single and quadruple 7-segment displays, an 8 x 8 matrix display, and various sensors and resistors.



- 1 x Breadboard with plastic plate + metal distance bolts + screws
- 50 x Jumper wires
- 40 x Jumper pins
- 10 each 5mm LED's: Red, Green, Yellow, Blue
- 1 x LED (RGB)
- 10 each Capacitors: 10nF, 100nF
- 5 x 100µF Electrolytic capacitor
- 1 x 10K Preset potentiometer
- 2 x SGPT5053C (Photo sensitive transistor)
- 1 x LM35 Temperature Sensor
- 1 x IR Photodiode
- 1 x SN74HC595N
- 1 x Servo motor
- 1 x Single digit 7 seg display
- 1 x 8 x 8 dot matrix display
- 1 x Pulsed buzzer
- 2 x Thermistor (NTC)
- 10 each Resistors: 220R, 1K0, 10K
- 2 x 1N4007 Diodes
- 4 x Push buttons
- 1 x Quad digit display
- 1 x Buzzer
- 2 x Tilt switches

Code	Description
WPK503	Electronics Starter Kit

