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DATA SHEET

ROADRUNNER - PROTOTYPE WIRING SYSTEM

The Roadrunner Wiring System is a high quality but low cost, quick and easy prototyping method. Using its proven point-to-point interconnection technique, the engineer can assemble an accurate, compact prototype or pre-production board that will drastically cut development costs and make expensive printed circuitry unnecessary.

A family of products have been created to provide versatility in prototype wiring and pcb repair applications. Items can be purchased in kit form or individually.

EURO INTROKIT: RRB-K-106

Containing all the components of the Roadrunner Wiring System, this kit offers full advantage of a most versatile wiring system. Specifically created for microprocessor and electronic development, this kit is an ideal introduction to the Roadrunner Wiring System.

The kit comprises:

- 1 off wiring pencil
- 7 off glue-in strips (152mm)
- 30 off press-in strips (51mm)
- 100 off solder pins
- 1 off Eurocard (100 x 160mm)
- 1 off green wire, 34mm spool 0.15mm dia. (38SWG)
- 1 off pink wire, 34mm spool 0.15mm dia. (38SWG)
- 1 off copper coloured wire, 34mm spool 0.15mm dia (38SWG)
- 1 off tinned copper wire, 24mm spool 0.25mm dia. (33SWG), non-insulated

(Individual items are available separately)

STARTER KIT: RRS-K-113

Contains the useful all purpose Wiring Pencil with Brake. This kit is designed for wiring of discrete components, specifically as an introductory electronic circuit wiring kit in training situations ie: schools, colleges, universities and company training centres.

The kit comprises:

- 1 x Wiring Pencil with Brake and tinned copper wire bobbin
- 1 x Matrix Board on a 0.1 inch grid 105 x 65 x 1.6mm. Hole size 1.02mm.
- 100 x 1mm dia. Double Sided Solder Pins.

PCB REPAIR KIT: RRB-K-110

This kit is designed as a low cost solution for PCB track repair and circuit modification using either tinned copper wire or solderable enamel covered wire.

The kit comprises:

- 1 x Wiring Pencil with Brake and tinned copper wire bobbin
- 1 x QSE Solderable enamel wire bobbin 34m copper colour 0.15mm dia. (38SWG)
- 1 x Knife
- 1 x Pair of tweezers, type AA

WIRING PENCIL

A well balanced, easy to handle plastic wire dispenser, of registered design (No.979303) with a fine long life steel tip for high speed, accurate wiring, even in the most confined areas. The tip is precisely machined and cuts the wire exactly to the required length. Wire feed tension is varied by gently adjusting the bobbin supports. A full, ready-to-use bobbin of wire is supplied with the pencil.

Pencil with solderable enamel wire RRP-103
Pencil with tinned copper wire (TCW) RRP-104

WIRING PENCIL WITH BRAKE

Based on the standard version of the Wiring Pencil, RRP-103, this model has been enhanced and now incorporates a finger brake which operates against the bobbin and accurately controls wire tension.

The pencil is supplied with a full bobbin of either QSE enamelled or tinned copper wire.

Pencil with brake and QSE solderable enamel wire bobbin RRP-123
Pencil with brake and tinned copper wire (TCW) bobbin RRP-124

WIRE DISTRIBUTION STRIP

The castellated Wire Distribution Strip is available in 51mm (2") lengths in the press-fix type and 152mm (6") lengths in the glue-fix type. The 152mm strip is available in two versions, standard and high density. The high density strip allows a greater number of wires to pass between the castellations. The press-fix type is specifically designed for boards with a 1.02mm diameter holes on a 2.54mm pitch matrix.

BOBBINS

Plastic bobbins supplied with two types of wire - quick solderable enamelled (QSE) copper wire to BS6811 Section 3.1 for logic wiring applications, and plain soft tinned copper wire for discrete wiring, printed circuit board repair, etc.

WIRE

QSE polyurethane covered copper wire with grade 2 or grade 1 covering, conforming to BS6811 Section 3.1. Diameter: 0.15mm (38SWG) or 0.19mm (36SWG), are available, the 0.15mm being supplied as standard.

Insulation thickness:	38SWG (0.15mm dia)	0.012mm
	36SWG (0.19mm dia)	0.014mm
Resistance:		0.967 ohms/m typ
Insulation breakdown voltage		1500Vrms min
Current rating:	38SWG (0.15mm dia)	82mA
	36SWG (0.19mm dia)	131mA
Spool length:		34m nominal 24m nominal, tinned copper
Colours available:		Copper, Green, Pink Tinned Copper
Soldering temperature		+ 400°C