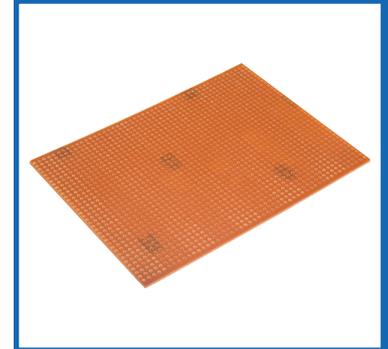


## Copper Track Stripboard



### DESCRIPTION

These stripboards provide a simple form of printed circuit. The boards have strips (tracks) and holes on a 2.54mm (0.1in) pitch and are manufactured from copper-clad paper and phenolic laminate body material, protected with OSP.

### DISTINCTIVE FEATURES

- Available in a choice of sizes
- Paper & phenolic laminate body
- 1Oz (34µm) Copper contact material
- Can be readily cut to size
- Board Thickness 1.5mm
- Grid Pitch 2.5mm (0.1in)
- Surface treated with OSP (Organic Solderability Preservative)

### APPLICATIONS

Ideal for prototype and development work, great for soldering training & practice, component forming training, and introduction to practical electronics. Suitable for use in industrial applications, for hobbyist use and for use in education.

Paper & Phenolic Laminate Body

1 Oz Cu

2.54mm Pitch

OSP



## GENERAL SPECIFICATION

Number of Tracks	See Part Number Table - page 3
Number of holes	See Part Number Table - page 3
Weight	See Part Number Table - page 3

Test item		Unit	Condition	Standard Value	Guaranteed Value
Volume Resistivity		Ω/cm	C-96/20/65	$1 \times 10^{12} - 5 \times 10^{13}$	Above $1 \times 10^{12}$
			C-96/20/65+C-96/40/90	$1 \times 10^{12} - 1 \times 10^{13}$	Above $1 \times 10^{11}$
Surface Resistance	Adhesive Surface	Ω	C-96/20/65	$5 \times 10^{11} - 1 \times 10^{12}$	Above $1 \times 10^{10}$
			C-96/20/65+C-96/40/90	$1 \times 10^{10} - 1 \times 10^{11}$	Above $1 \times 10^9$
	Laminate Surface	Ω	C-96/20/65	$5 \times 10^9 - 1 \times 10^{11}$	Above $1 \times 10^9$
			C-96/20/65+C-96/40/90	$5 \times 10^8 - 1 \times 10^9$	Above $1 \times 10^8$
Insulation Resistance		Ω	C-96/20/65	$5 \times 10^{11} - 1 \times 10^{12}$	Above $1 \times 10^{10}$
			C-96/20/65+D-2/100	$5 \times 10^7 - 5 \times 10^8$	Above $1 \times 10^7$
(1MHz) Dielectric Constant		—	C-96/20/65	4.3 - 5.0	Less than 5.5
			C-96/20/65+D-48/50	5.3 - 5.8	Less than 6.0
(1MHz) Dissipation Factor		—	C-96/20/65	0.035 - 0.046	Less than 0.05
			C-96/20/65+D-48/50	0.050 - 0.060	Less than 0.08
(260°C) Solder Heat Resistance		sec	A	20 - 35	Above 10
Peel Strength	(35μm) Copper Foil	kgf/cm	A	1.9 - 2.3	Above 1.5
			S	1.9 - 2.3	Above 1.5
Flexural Strength (crosswise direction)		kgf/mm <sup>2</sup>	A	12 - 16	Above 10
Water Absorption		%	E-24/50+D-24/23	0.8 - 1.4	Less than 1.8
Heat Resistance		—	A	205°C to 210°C 30 min no blistering	190°C 30 min no blistering
Flame Resistance (UL94 method)		sec	UL sub 94	—	—
Alkali Resistance		—	Immersion in 3% NaOH	No abnormality	No abnormality
Punching Temperature		—	A	Suitable temperature 50°C to 70°C	—



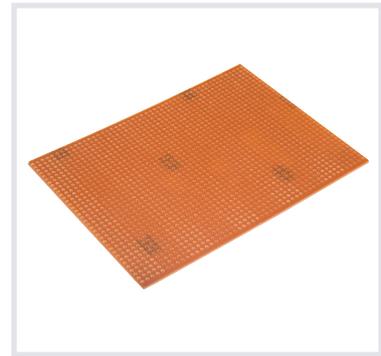
## MATERIALS

Material	Paper & phenolic laminate body
Track Material	1 Oz Copper (34μm thickness)
Copper Surface Treatment	OSP (Organic Solderability Preservative)



## DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Hole Pitch	2.54mm (0.1in)
Hole Diameter	1mm
Thickness	1.5mm



## PART NUMBER TABLE

Part Number	Dimensions		Tracks	Holes	Weight (g)	EAN	UNSPSC	Country of Origin
	Width	Length						
<b>34-0410</b>	25	64	9	25	4	5053556001415	81101702	China
<b>34-0411</b>	64	95	24	37	11	5053556001422	81101702	China
<b>34-0412</b>	95	127	36	50	22	5053556001439	81101702	China
<b>34-0413</b>	95	432	36	170	77	5053556001446	81101702	China
<b>34-0414</b>	119	455	46	179	100	5053556001453	81101702	China



Tried & trusted technology

**Important Notice:** This data sheet and its contents (the "Information") belong to Rapid Electronics Limited or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Rapid Electronics Limited assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Rapid Electronics Limited were aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict Rapid Electronics Limited's liability for death or personal injury resulting from its negligence.