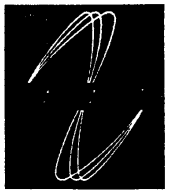
Farnell Electronic Components Limited



EUROCARD SINGLE-SIDED PROTOTYPE BOARD

Order Code 451-058 - Stripboard (Copper Strips)
Order Code 451-060 - Round Pad

DESCRIPTION

A pre-drilled eurocard size prototyping board manufactured in synthetic resin bonded paper (SRBP) to BS4584 Section 102.7 and is flame retardant to UL94V-0. DIN41612 connector mounting holes are positioned at each end. 2.2 mm diameter pads with 1.0 mm holes and on a 2.54 mm matrix pitch.

Length	160 mm
Width	100 mm
Thickness	1.6 mm

Specifications:

Base Material	FR2 Paper - Phenolic laminate to BS4584 Section 102.7
Copper Foil Cladding	1 oz per sq ft (35 microns)
Thickness including copper	1.5 - 1.6 mm
Laminate colour	Brown
Flammability Rating	UL94V-0
Dimension Stability (max)	Lengthwise 0.4% Crosswise 0.8%
Bow/Twist	15/15 mm/1,000 mm
Flexural Strength (min)	Lengthwise 120 N/mm^2 Crosswise 90 N/mm^2
Peel Strength (min)	1.6 N/mm
Water Adsorption (max)	40 mgm
Comparative Tracking Index	250
Surface Resistance	5.10^{11} ohms
Volume Resistivity	5.10^{12} ohm cm
Dissipation Factor tan ∂	0.048 at 1 Mhz
Dielectric Constant	4.9 at 1 Mhz
Bulk Density	1.36 g/cm^3
Operating Temperature	105°C

Coating Properties

All boards are completely coated with a surface preservative/flux.

1. Preserved surface can be soldered without further application of liquid flux.

2. Flux is non-corrosive and washing is not necessary after soldering. Soldered boards meet MIL-P-28809 Contamination Test without washing.

3. Shelf life of the unsoldered board, kept at normal atmospheric conditions, is at least 1 year.

4. Surface Resistance

   9×10^{12} Ohms Initial
   2×9^{11} Ohms after 10 days at 50°C/95% RH

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PRODUCT SAFETY DATA

Laminated material consisting of a bleached kraft paper base bonded with flame retarded, heat cured phenol-formaldehyde resin. The base material is clad with copper and finished with a resin free preservative/flux manufactured from synthetic chemicals

Hazards

During handling there is a slight risk of loose dust causing reactions to those persons sensitive to skin allergies. In these instances it is advisable that rubber or plastic gloves be worn. Do not use woven fabric gloves or barrier creams.

The base material and coatings are inert at normal room temperature. At elevated temperatures (above 100°C), adequate ventilation and extraction must be provided.

Do not allow foodstuffs into the working area and ensure hands are washed with soap and warm water before handling foodstuffs.

Flammability

The material will burn in the presence of an external flame source giving copious black asphyxiating fumes of acidic character and containing poisonous halogen compounds eg Hydrogen Bromide.

The material is self extinguishing if the external flame source is removed. In the event of fire, then evacuate personnel and initiate normal fire procedures.

Disposal

To normal solid city waste. Local regulations must be observed.