

# Datasheet

## W82172 Series, 2.54mm Pitch 72 Way 2 Row Straight PCB Header, Solder Termination

RS Stock number [251-8373](#)



### Specifications:

Resistance:	20Milliohm max.
Current Rating:	1 amp max.
Dielectric withstanding Voltage:	AC 650V RMS at sea level
Material:	Half hard brass
Plating:	6.0 microns pure bright tin over 2.5microns nickel
Material:	30% glass fibre-reinforced polyester (PBT)
Insulation resistance:	5000M $\Omega$ (contact to contact) at 500VDC
Arc resistance:	145 seconds at 23°C
Electrical strength:	121KV/cm at 23°C
Dielectric constant:	3.9 (48hrs 90% RH) at 100Hz 23°C 4.5 at 100Hz 121°C 3.7 (48hrs 90% RH) at 1MHz 23°C 4.3 at 1MHz 121°C
Dissipation factor:	0.0077 (48hrs 30% RH) at 100Hz 23°C 0.0300 at 100Hz 121°C 0.0150 (48hrs 30% RH) at 1MHz 23°C 0.0200 at 1MHz 121°C
Volume resistivity:	3 x 10 <sup>13</sup> $\Omega$ -CM (48hrs 90% RH) at 25°C 10 <sup>13</sup> $\Omega$ -CM at 121°C
Operating temperature:	-65°C to 150°C
Flammability:	UL94V-0

Drawing (mm):

