

**Professionally approved products.**

## Datasheet

# W81136 Series, 2.54mm Pitch 36 Way 1 Row Right Angle PCB Header, Solder Termination

RS Stock number [251-8654](#)



## Specifications:

Resistance:	20Milliohm max.
Current Rating:	1 amp max.
Dielectric withstanding Voltage:	AC 650V RMS at sea level
Material:	Half hard brass
Plating:	Tin: 6.0 microns pure bright tin over 2.5microns nickel
	Gold: Au/Ni 0.10µm Gold over 2.5µm nickel
Material:	30% glass fibre-reinforced polyester (PBT)
Insulation resistance:	5000MΩ (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> Ω-CM (48hrs 90% RH) at 25°C
	10 <sup>13</sup> Ω-CM at 121°C
Operating temperature:	-65°C to 150°C
Flammability:	UL94V-0

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## Drawing (mm):

