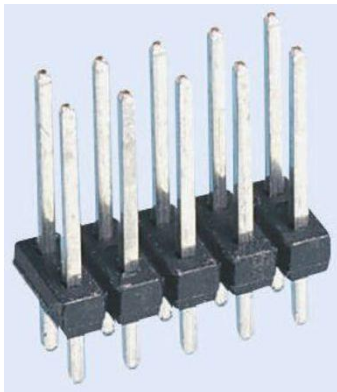


# Datasheet

## 2.54mm Pitch 20 Way 2 Row Straight PCB Header, Solder Termination

RS Stock number [251-8294](#)



### 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<br>4.5 at 100Hz 121°C<br>3.7 (48hrs 90% RH) at 1MHz 23°C<br>4.3 at 1MHz 121°C             |
| Dissipation factor:              | 0.0077 (48hrs 30% RH) at 100Hz 23°C<br>0.0300 at 100Hz 121°C<br>0.0150 (48hrs 30% RH) at 1MHz 23°C<br>0.0200 at 1MHz 121°C |
| Volume resistivity:              | 3 x 10 <sup>13</sup> $\Omega$ -CM (48hrs 90% RH) at 25°C<br>10 <sup>13</sup> $\Omega$ -CM at 121°C                         |
| Operating temperature:           | -65°C to 150°C   |
| Flammability:                    | UL94V-0  |

Drawing (mm):

