**Recommended PCB Layout**

(2) #4-40 UNC Threaded Inserts

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**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insulator Color</th>
<th>Contact Area Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVI-DA29S-N-B</td>
<td>Black</td>
<td>Gold Flash (standard)</td>
</tr>
<tr>
<td>KVI-DA29S-N-W</td>
<td>White</td>
<td>Gold Flash (standard)</td>
</tr>
<tr>
<td>KVI-DA29S-N-B30</td>
<td>Black</td>
<td>30u&quot; Gold (30 option)</td>
</tr>
<tr>
<td>KVI-DA29S-N-W30</td>
<td>White</td>
<td>30u&quot; Gold (30 option)</td>
</tr>
</tbody>
</table>

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**Material and Finish**

Shell: steel, nickel plated

Insulator: LCP high temp. thermoplastic, UL 94V-0 rated, white or black color, reflow process compatible

Recommended Soldering Temp: 230°C for 30 seconds

260°C max. for 10 seconds

Contact Material: copper alloy

Contact Plating Options:

Standard: gold flash on mating end, 100u" tin-lead on termination end, with 50u" nickel underplate on entire contact

30 Option: 0.000030" [0.00076mm] gold on mating end, 100u" tin-lead on termination end, with 50u" nickel underplate on entire contact

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**Electrical Specifications**

Rated Current: 1.5A min.

Rated Voltage: 40V DC

Dielectric Withstanding Voltage: 500V (rms) AC for 1 minute

Insulation Resistance: more than 1000 Megohm at 500V DC

Contact Resistance: 20 milliohm max. initial

10 milliohm max. change from initial

Operating Temperature: -20°C to +85°C

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**Mechanical Specifications**

Insertion Force: 4.5kg (10 lbs) max.

Withdrawal Force: 1.0kg (2.2 lbs) min.

Durability: 100 mating cycles

Vibration: no discontinuity >1us

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Tolerances

X.X ± 0.25

X.X ± 0.15

Unless Stated

Otherwise

**KVI-DA29S-N-xyy**

x - insulator color

yy - plating option

DVI Connector

Digital/Analog, 29 Contact, #4-40 Inserts