10Base-T Interface Modules for Use with DEC’s 21040 PCI Bus Transceiver

**Key Features**

- All Fil-Mag® components are manufactured in ISO 9001 certified facilities to meet the highest international standards
- Components meet or exceed IEEE 802.3 10Base-T specifications
- Ideal for adapter cards, MAUs, Hubs, and Motherboard applications
- High performance for maximum EMI suppression
- 2000 Vrms isolation voltages
- 1:1.41 turns ratio meets DEC’s specification for the transmit channel

**Surface Mount**

- Proven in all surface mount soldering processes
- Available in tubes; tape and reel optional

**Through-Hole**

- Auto insertable
- SIP package (78Z1122F-XX) ideal for multiport repeater hub applications

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**Electrical Specifications at 25°C**

<table>
<thead>
<tr>
<th>Part No</th>
<th>Package Type (Pins)</th>
<th>Insertion Loss to 10 MHz (dB)</th>
<th>Attenuation 30-50MHz (dB)</th>
<th>Attenuation 50-100MHz (dB)</th>
<th>Return Loss 0.5-10MHz (dB)</th>
<th>Common Mode Rejection (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>78Z1122B-04</td>
<td>DIL (16)</td>
<td>-1.0</td>
<td>-27 -18</td>
<td>-32 -20</td>
<td>-15</td>
<td>-30 -30</td>
</tr>
<tr>
<td>78Z1122D-04</td>
<td>SMD (16)</td>
<td>-1.0</td>
<td>-30 -18</td>
<td>-35 -20</td>
<td>-15</td>
<td>-30 -40</td>
</tr>
<tr>
<td>78Z1122F-04</td>
<td>SIP (10)</td>
<td>-1.0</td>
<td>-30 -22</td>
<td>-40 -40</td>
<td>-15</td>
<td>-20 -45</td>
</tr>
</tbody>
</table>

*S* Pulse/Fil-Mag’s policy is to keep all catalog parts active. However, some parts may be subject to change. Contact customer service for the status of any part. (619) 674-8100

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* Fil-Mag® Legacy Products
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Suggested Pad Layout

16-Pin SMD

10-Pin SIP

16-Pin DIL

Mechanical Specifications

16-Pin SMD

10-Pin SIP

16-Pin DIL

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In the construction of the components described, the full intent of the specification will be met. Pulse, however, reserves the right to make, from time to time, such departures from the detail specifications as may be required to permit improvements in the design of its products.

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