1X2 Dual Port RJ45 Connector

- 10/100/1000 Base-T for Ethernet Applications
- RJ45 jack cavity conforms to FCC rules and regulations
  Part 68, SUB Part F
- Industrial Temp: -40ºC to +85ºC
- Available in other Circuit Designs
- Optional Gold Plating Thickness

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias</th>
<th>Turns Ratio chip: cable (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR12-3978I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-20</td>
</tr>
</tbody>
</table>

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**All specifications subject to change without notice.**

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**MECHANICAL**

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1X2 Dual Port RJ45 Connector  
AR12-3978I

SCHEMATURES

NOTES

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
   Housing: Thermoplastic UL94V-0
   Contact/Shield: Copper alloy
   Shield plating: Nickel
   Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
   Wave solder tip temperature time: 5 Sec Max