COMFORT+
Standard Ultrasound Subassembly
**COMFORT+**

**Standard Ultrasound Subassembly**

### Key Features
- Pre-terminated COMFORT cable with micro-coax connectors
- 42 AWG COMFORT coaxial design with 128-224 element range
- Breakout length range from 1” to 6” (2.54cm to 15.24cm)
- Low profile field proven micro-coax shielded connector
- Pre-engineered flex/strain relief system available
- Standard classic white or custom colors available
- Micro-connect design allows for flexible connector location
- Reduced stack height
- Compact 0.4mm connector pitch
- Pre-engineered platform minimizes lead time, development costs and time to market
- Economies of scale allowing for reduced cost
- Fewer components

### DESCRIPTION
For ultrasound OEMs, COMFORT+ is a high-quality automated ultrasound subassembly that offers modularity and a rapid time to market.

### COMPLIANCE
- RoHS Compliant
- REACH Compliant

### ELECTRICAL SPECIFICATIONS
- Operating Voltage 100-200 VDC
- Operating Frequency 1MHz to 20 MHz
- Current carrying capacity per contact .24A

### MECHANICAL SPECIFICATIONS
- Cable flex life exceeds 250,000 cycles
- Mate/demate exceeds 30 cycles
- Keyed connectors
**PRODUCT OFFERING MATRIX**

<table>
<thead>
<tr>
<th>Coax</th>
<th>Signal Lines</th>
<th>TE P/N*</th>
<th>Probe End Connector Configuration</th>
<th>Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sign.</td>
<td>Aux.</td>
<td>35 pos</td>
<td>20 pos</td>
</tr>
<tr>
<td>42 AWG 75 Ohm</td>
<td>128</td>
<td>0</td>
<td>500-7927-00</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>192</td>
<td>0</td>
<td>500-7929-00</td>
<td>6</td>
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<tr>
<td></td>
<td>128</td>
<td>32</td>
<td>500-7964-00</td>
<td>4</td>
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<tr>
<td></td>
<td>192</td>
<td>32</td>
<td>500-7965-00</td>
<td>6</td>
</tr>
</tbody>
</table>

*Parts are for design reference only.

**System End**
- Latching feature
- Compact size
- Reduced part count
- Semi-automated termination and ribbonization

**Probe End**
- Compact size
- Reduced part count
- Enhanced flex life through automated processing
- Semi-automated termination and ribbonization

**COMFORT CABLE BENEFITS**

- Increased flexibility
- Superior ergonomics
- Field proven and preferred cable design

**HOW TO ORDER**

To customize our standard configuration to meet your needs, contact your sales engineer or local business office (see back cover), or visit www.te.com/medical for more information.
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