



# COMFORT+

Standard Ultrasound Subassembly

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### 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

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## PRODUCT OFFERING MATRIX

| Coax             | Signal Lines |      | TE P/N*     | Probe End Connector Configuration |        | Cable  |           |
|------------------|--------------|------|-------------|-----------------------------------|--------|--------|-----------|
|                  | Sign.        | Aux. |             | 35 pos                            | 20 pos | Length | OD        |
| 42 AWG<br>75 Ohm | 128          | 0    | 500-7927-00 | 4                                 | 0      | 84"    | 0.295" OD |
|                  | 192          | 0    | 500-7929-00 | 6                                 | 0      | 84"    | 0.330" OD |
|                  | 128          | 32   | 500-7964-00 | 4                                 | 2      | 84"    | 0.310" OD |
|                  | 192          | 32   | 500-7965-00 | 6                                 | 2      | 84"    | 0.360" OD |

\*Parts are for design reference only.

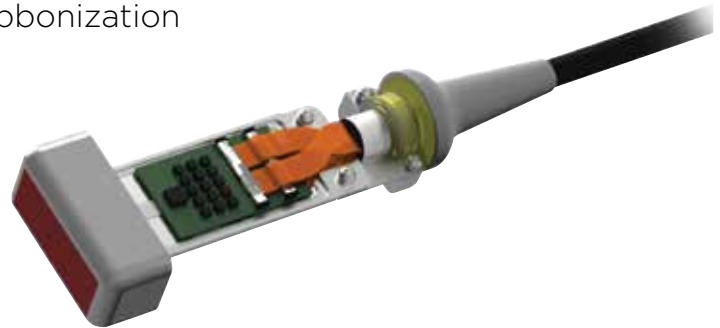
### System End

- 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

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Superior ergonomics

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Field proven and preferred cable design

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## 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](http://www.te.com/medical) for more information.

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|                             |                  |
|-----------------------------|------------------|
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