



DISCRETE WIRE INTERCONNECT SYSTEMS

SELECTION GUIDE

Interconnect systems
covered in this guide:

.8-16mm

Pitch

32-6

Wire Gauge

1-65A

Current Rating

1-72

Position Size

TE Connectivity offers a wide variety of discrete wire interconnect systems. This portfolio offering includes both wire to board and wire to wire configurations to meet your design requirements. These systems cover a wide variety of standard options including:

- Crimp and IDC termination styles
- Right angle and vertical PCB orientation
- Through-hole and surface mount styles
- Latching and locking features
- TPA (Terminal Position Assurance) and CPA (Connector Position Assurance)
- Panel-mount capability

| PRODUCT FAMILY | Pitch | Position Size | Current Rating | AWG | MATING STYLE | | TERMINATION METHOD | | PCB MOUNTING ORIENTATION | | PCB MOUNTING STYLE | | NUMBER OF ROWS | | PLATING | | SPECIAL FEATURES | | |
|--|-------------|---------------|----------------|-------|---------------|--------------|--------------------|-----|--------------------------|----------|--------------------|--------------|----------------|----------|---------|------|------------------|----------|-----|
| | | | | | Wire to Board | Wire to Wire | Crimp | IDC | Right Angle | Vertical | Surface Mount | Through-Hole | Single Row | Dual Row | Tin | Gold | Through Panel | Latching | TPA |
| Micro SLP Connectors | 0.8mm | 2 | 1A | 32 | ● | | | ● | ● | | ● | | ● | | ● | | ● | | |
| 1.0mm High Performance Interconnects (HPI) | 1mm | 2-15 | 1A | 32-28 | ● | | ● | | ● | ● | ● | | ● | | ● | | | | |
| Mini VP | 1mm | 6-8 | 1A | 28-26 | ● | | | | | | ● | | ● | | | ● | | | |
| AMPSLIM Connectors | 1.2mm | 2-6 | 2A | 28 | ● | | ● | | ● | | ● | | ● | | | ● | | | |
| 1.25mm High Performance Interconnects (HPI) | 1.25mm | 2-15 | 1A | 32-28 | ● | | ● | | ● | ● | ● | | ● | | ● | | | | |
| Micro-MaTch Connectors | 1.27mm | 4-24 | 1A | 28-20 | ● | | | ● | ● | ● | ● | | ● | | ● | | | ● | |
| 1.50mm High Performance Interconnects (HPI) | 1.5mm | 2-15 | 3A | 30-24 | ● | | ● | | ● | ● | ● | | ● | | ● | | | | |
| Mini Common Termination (CT) Connectors | 1.5mm | 2-40 | 3A | 28-24 | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| Low Power Drawer Connectors | 1.5-7mm | 6-60 | 1-15A | 28-14 | ● | ● | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | |
| 2.00mm High Performance Interconnects (HPI) | 2mm | 2-32 | 3A | 30-22 | ● | | ● | | ● | ● | ● | | ● | ● | ● | | | ● | |
| Common Termination (CT) Connectors | 2mm | 2-30 | 4A | 30-22 | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| AMP-IN Headers | 2-2.5mm | 2-20 | 4A | 30-22 | ● | | ● | | ● | ● | | ● | ● | | ● | ● | | | |
| Dynamic - 1000 Series Connectors | 2-3.5mm | 2-40 | 5A | 30-18 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| 2.50mm High Performance Interconnects (HPI) | 2.5mm | 2-15 | 3A | 28-22 | ● | | ● | | ● | ● | ● | | ● | | ● | | | | |
| Economy Interconnection (EI) Series Connectors | 2.5mm | 2-20 | 2A-5A | 30-20 | ● | ● | ● | ● | ● | ● | | ● | | ● | ● | ● | ● | | |
| Signal Double Lock Connectors | 2.5mm | 2-13 | 3A | 26-20 | ● | ● | ● | | ● | | ● | | ● | | ● | | | ● | ● |
| Economy Power 2.5 Connectors | 2.5mm | 2-40 | 4.2A | 26-20 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | | | ● | ● |
| 2.5 GRACE INERTIA Connectors | 2.5mm | 2-12 | 3A | 28-22 | ● | | ● | | ● | ● | ● | | ● | | ● | | | ● | ● |
| Dynamic - 2000 Series Connectors | 2.5-3.81mm | 3-50 | 5A | 28-18 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| MOD IV Connectors | 2.54mm | 1-72 | 3A | 32-20 | ● | | ● | | ● | ● | ● | | ● | ● | ● | ● | | ● | |
| HE13/HE14 | 2.54mm | 2-36 | 3A | 28-24 | ● | ● | ● | ● | | ● | ● | | ● | ● | ● | ● | ● | | |
| MTE Connectors | 2.54mm | 2-25 | 3A | 30-22 | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| Crimp Snap Twin Leaf Connectors | 2.54-3.96mm | 6-50 | 5A | 26-22 | ● | ● | ● | | ● | ● | | | ● | ● | ● | | | | |
| Locking Clip | 2.54-3.96mm | 1-20 | 5A | 30-20 | ● | | ● | | ● | | | | ● | ● | ● | | | | |
| MTA-100 Connectors | 2.54mm | 2-28 | 8.25A | 28-22 | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | | | | |
| Micro MATE-N-LOK Connectors | 3mm | 2-24 | 5A | 30-18 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| Dynamic - 3000 Series Connectors | 3.81-7.5mm | 2-20 | 15A | 28-14 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| Power Double Lock Connectors | 3.96-13mm | 1-12 | 14A | 26-16 | ● | ● | ● | | ● | | ● | | ● | ● | ● | | | ● | ● |
| Economy Power Connectors | 3.96-7.92mm | 2-12 | 7.5-11A | 22-16 | ● | | ● | | ● | ● | ● | | ● | ● | ● | | | ● | ● |
| SL-156 Connectors | 3.96mm | 1-16 | 10A | 30-16 | ● | | ● | | ● | ● | | ● | ● | ● | ● | ● | ● | ● | |
| MTA 156 Connectors | 3.96mm | 2-24 | 7A | 26-18 | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | | | ● | |
| Mini-Universal MATE-N-LOK Connectors | 4.14mm | 1-24 | 9.5A | 30-16 | ● | ● | ● | | ● | ● | | ● | ● | ● | ● | ● | ● | ● | |
| VAL-U-LOK Connectors | 4.2mm | 2-24 | 9A | 26-16 | ● | ● | ● | | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● |
| IDC Power Connectors | 4.8mm | 2-4 | 6A | 22-20 | ● | | | ● | | ● | | ● | ● | ● | ● | | | | |
| Power Key Connectors | 5mm | 2-6 | 10A | 24-16 | ● | | ● | | ● | ● | | ● | ● | ● | ● | | | ● | ● |
| Dynamic - 5000 Series Connectors | 5.08-13.1mm | 2-20 | 45A | 20-8 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| POWER TRIPLE LOCK Connectors | 6mm | 2-15 | 20A | 20-12 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● |
| Universal MATE-N-LOK Connectors | 6.35mm | 1-15 | 19A | 30-10 | ● | ● | ● | | ● | ● | | ● | ● | ● | ● | ● | ● | ● | |
| Dynamic - 4000 Series Connectors | 6.35mm | 2-8 | 24A | 16-12 | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| Dynamic - 7000 Series Connectors | 16mm | 4 | 65A | 16-6 | ● | ● | ● | | ● | ● | ● | | ● | | ● | ● | ● | ● | |