



UNMANNED POWER (UMP) CONNECTOR

SMALL FORM FACTOR, HIGH POWER UP TO 80 AMPS PER CONTACT



PRODUCT OFFERING

- 8 AWG to 14 AWG Power / 22 AWG to 24 AWG Signal
- 2 and 3 position wire-to-wire and wire-to-board configurations in power only
- Mixed signal and power available in 3 positions (2 power, 1 bank of 8 signal contacts)
- Pigtails available in 1 foot lengths use high grade flexible silicone wire rated at 200°C and 600 V (other wire options available)

RELIABLE

- Removable/replaceable/repairable contacts
- All connectors have contact locks to maintain contact alignment
- Latching optional
- Up to 500 mating cycles

EFFICIENT

- 80 AMPS per contact continuous (power pins)
- 4 AMPS per contact continuous (signal pins)

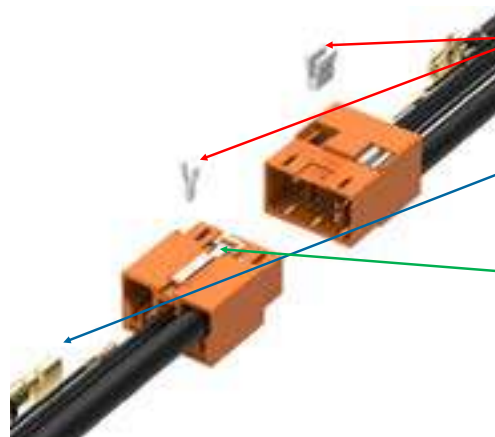
TE Connectivity's (TE) unmanned power connectors (UMP) are a family of power or mixed signal and power connectors that were designed to help provide a reliable contact interface that safely delivers power or power/signal to various parts of unmanned vehicles.

These connectors can be used in other applications where high power in a small form factor is desired. They can be sealed in wire to wire format for added environmental protection.

APPLICATIONS:

High Power applications such as:

- Unmanned Vehicles
- Ground Defense
- Robotics
- Factory Automation



Contact Position Locks

- Help secure contacts in the housing during high vibration events frequent in unmanned vehicles

Removable Crimp Contacts

- Allow for easy field replacement
- Allow for higher reliability than direct solder

Optional Latch

- Helps keep the two connectors secure when desired

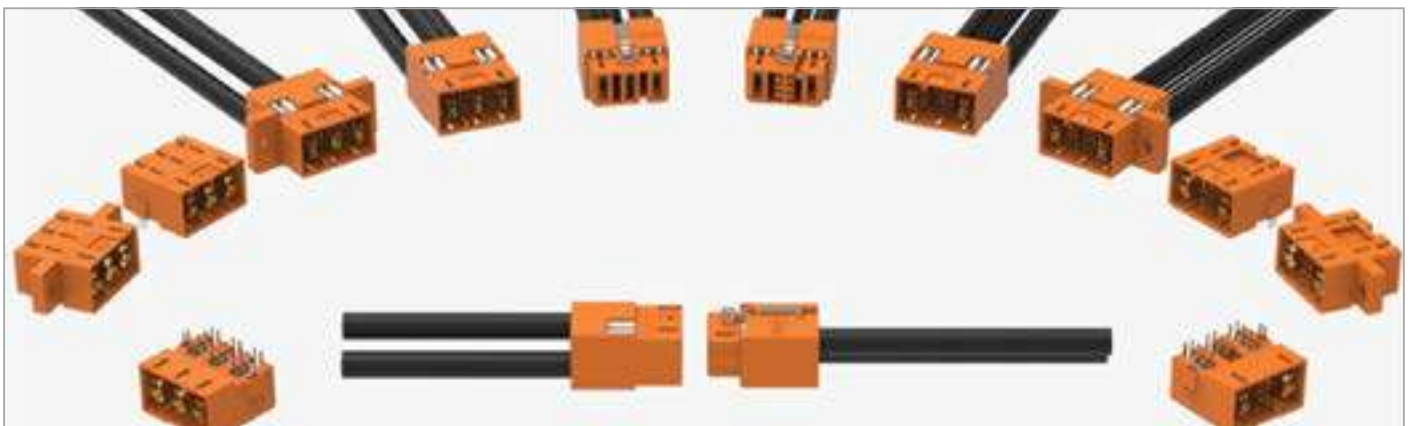
Panel Mount uses M3 DIN 439 Hex Nuts



Latching Option



Mixed Signal and Power Option



Unmanned Power (UMP) Connector

2 Position							
Wire to Wire				Wire to Wire, Panel Mount Plug			
14 AWG Kit 2332663-1	12 AWG Kit 2332663-2	10 AWG Kit 2332663-3	8 AWG Kit 2332663-4	14 AWG Kit 2332663-9	12 AWG Kit 1-2332663-0	10 AWG Kit 1-2332663-1	8 AWG Kit 1-2332663-2
Plug 2332673-1 Receptacle 2332672-1	Plug 2332673-2 Receptacle 2332672-2	Plug 2332673-3 Receptacle 2332672-3	Plug 2332673-4 Receptacle 2332672-4	Plug 2332673-9 Receptacle 2332672-1	Plug 1-2332673-0 Receptacle 2332672-2	Plug 1-2332673-1 Receptacle 2332672-3	Plug 1-2332673-2 Receptacle 2332672-4
Wire to Printed Circuit Board (PCB)				Wire to PCB, Panel Mount Plug			
14 AWG Kit 2332664-1	12 AWG Kit 2332664-2	10 AWG Kit 2332664-3	8 AWG Kit 2332664-4	14 AWG Kit 2332664-9	12 AWG Kit 1-2332664-0	10 AWG Kit 1-2332664-1	8 AWG Kit 1-2332664-2
Plug 2332665-1 Receptacle 2332672-1	Plug 2332665-1 Receptacle 2332672-2	Plug 2332665-1 Receptacle 2332672-3	Plug 2332665-1 Receptacle 2332672-4	Plug 2332665-3 Receptacle 2332672-1	Plug 2332665-3 Receptacle 2332672-2	Plug 2332665-3 Receptacle 2332672-3	Plug 2332665-3 Receptacle 2332672-4
3 Position							
Wire to Wire				Wire to Wire, Panel Mount Plug			
14 AWG Kit 2332663-5	12 AWG Kit 2332663-6	10 AWG Kit 2332663-7	8 AWG Kit 2332663-8	14 AWG Kit 1-2332663-3	12 AWG Kit 1-2332663-4	10 AWG Kit 1-2332663-5	8 AWG Kit 1-2332663-6
Plug 2332673-5 Receptacle 2332672-5	Plug 2332673-6 Receptacle 2332672-6	Plug 2332673-7 Receptacle 2332672-7	Plug 2332673-8 Receptacle 2332672-8	Plug 1-2332673-3 Receptacle 2332672-5	Plug 1-2332673-4 Receptacle 2332672-6	Plug 1-2332673-5 Receptacle 2332672-7	Plug 1-2332673-6 Receptacle 2332672-8
Wire to PCB				Wire to PCB, Panel Mount Plug			
14 AWG Kit 2332664-5	12 AWG Kit 2332664-6	10 AWG Kit 2332664-7	8 AWG Kit 2332664-8	14 AWG Kit 1-2332664-3	12 AWG Kit 1-2332664-4	10 AWG Kit 1-2332664-5	8 AWG Kit 1-2332664-6
Plug 2332665-2 Receptacle 2332672-5	Plug 2332665-2 Receptacle 2332672-6	Plug 2332665-2 Receptacle 2332672-7	Plug 2332665-2 Receptacle 2332672-8	Plug 2332665-4 Receptacle 2332672-5	Plug 2332665-4 Receptacle 2332672-6	Plug 2332665-4 Receptacle 2332672-7	Plug 2332665-4 Receptacle 2332672-8
3 Position, Mixed Signal							
Wire to Wire				Wire to Wire, Panel Mount Plug			
14 AWG Kit 2332798-1	12 AWG Kit 2332798-2	10 AWG Kit 2332798-3	8 AWG Kit 2332798-4	14 AWG Kit 2332798-5	12 AWG Kit 2332798-6	10 AWG Kit 2332798-7	8 AWG Kit 2332798-8
Plug 2332801-1 Receptacle 2332800-1	Plug 2332801-2 Receptacle 2332800-2	Plug 2332801-3 Receptacle 2332800-3	Plug 2332801-4 Receptacle 2332800-4	Plug 2332801-5 Receptacle 2332800-1	Plug 2332801-6 Receptacle 2332800-2	Plug 2332801-7 Receptacle 2332800-3	Plug 2332801-8 Receptacle 2332800-4
Wire to PCB				Wire to PCB, Panel Mount Plug			
14 AWG Kit 2332799-1	12 AWG Kit 2332799-2	10 AWG Kit 2332799-3	8 AWG Kit 2332799-4	14 AWG Kit 2332799-5	12 AWG Kit 2332799-6	10 AWG Kit 2332799-7	8 AWG Kit 2332799-8
Plug 2332802-1 Receptacle 2332800-1	Plug 2332802-1 Receptacle 2332800-2	Plug 2332802-1 Receptacle 2332800-3	Plug 2332802-1 Receptacle 2332800-4	Plug 2332802-2 Receptacle 2332800-1	Plug 2332802-2 Receptacle 2332800-2	Plug 2332802-2 Receptacle 2332800-3	Plug 2332802-2 Receptacle 2332800-4

Unmanned Power (UMP) Connector

HOW TE IS HELPING MAKE DRONES MORE AWESOME

- 30%** How much we can help you reduce connector height
- 5X** Increase in thermal conductivity of our Aluminum Board Level Shield vs. CRS
- 10GBE** Transmission speed of Cee-Lok FAS-T Nano connectors
- 14A ON 3.96MM** Optimized performance with Power Double Lock connectors
- 25V/10.7A** Max power rating in our USB-sized connectors
- 5GHZ** Highest bandwidth of our embedded RF antennas
- 30% AVERAGE WEIGHT REDUCTION** Using shielded composite, compared to a traditional aluminum made connector
- +/- 10CM RESOLUTION** Accuracy of altitude measurement from our barometric pressure sensor

© 2019 TE Connectivity Ltd. All Rights Reserved.



Notes

Empower Engineers to Solve Problems, Moving the World Forward.

AMP | AGASTAT | CII | DEUTSCH | DRI | HARTMAN | KILOVAC
MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | SEACON

CONNECT WITH US

We make it easy to connect with our experts and are ready to provide all the support you need. Visit te.com/support to chat with a Product Information Specialist.

QUALITY STARTS WITH THE RIGHT APPLICATION TOOLING

Creating a quality crimp connection is essential to delivering high performance and reliability in extreme environments. From low to high volume wire processing, TE has you covered with a full range of application tooling and a global field service team.

- [View all application tooling](#)
- [Connect with our experts to find the right tool for your application](#)

te.com/unmanned-power

AMP, AGASTAT, CII, DEUTSCH, DRI, HARTMAN, KILOVAC, MICRODOT, NANONICS, POLAMCO, Raychem, Rochester, SEACON, TE, TE Connectivity, and TE connectivity (logo) are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2021 TE Connectivity All Rights Reserved.

2375356-1 05/21 Original

UNMANNED POWER (UMP) CONNECTOR

TE Connectivity
Aerospace, Defense & Marine
2900 Fulling Mill Road
Middletown, PA 17057