



## UNMANNED POWER (UMP) CONNECTOR

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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)

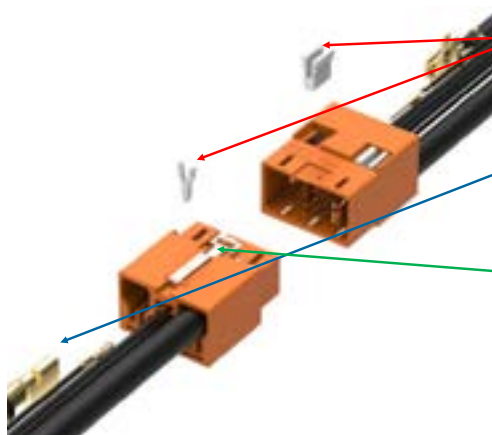
TE Connectivity's (TE) unmanned power connectors (UMP) are a family of power or mixed signal and power connectors that were designed to help provide a reliable contact interface that safely delivers power or power/signal to various parts of unmanned vehicles.

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							
<b>Wire to Wire</b>				<b>Wire to Wire, Panel Mount Plug</b>			
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
<b>Wire to Printed Circuit Board (PCB)</b>				<b>Wire to PCB, Panel Mount Plug</b>			
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							
<b>Wire to Wire</b>				<b>Wire to Wire, Panel Mount Plug</b>			
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
<b>Wire to PCB</b>				<b>Wire to PCB, Panel Mount Plug</b>			
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							
<b>Wire to Wire</b>				<b>Wire to Wire, Panel Mount Plug</b>			
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
<b>Wire to PCB</b>				<b>Wire to PCB, Panel Mount Plug</b>			
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

**30% AVERAGE WEIGHT REDUCTION**  
Using shielded composite, compared to a traditional aluminum made connector

**25V/10.7A**  
Max power rating in our USB-sized connectors

**+/- 10CM RESOLUTION**  
Accuracy of altitude measurement from our barometric pressure sensor

**5GHZ**  
Highest bandwidth of our embedded RF antennas



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## Notes

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## 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](https://te.com/unmanned-power)

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