

# TE CONNECTIVITY PRODUCTS

## FIRST® Robotics Competition

TE Connectivity's products are a crucial part of an increasingly connected world. We can sense and connect data, power or signals moving through just about anything.



Explore our catalogue of products on [TE.com](https://www.te.com)

### Wire to Wire Connectors - Universal MATE-N-LOK



[350767-1](#) 03 POS UMNL CAP HSG VO

[350778-1](#) 02 POS UMNL CAP HSG

[350780-1](#) 04 POS UMNL CAP HSG

[350866-1](#) 01 POS UMNL CAP HSG



[350766-1](#) 03 POS UMNL PLUG HSG

[350777-1](#) 02 POS UMNL PLUG HSG

[350779-1](#) 04 POS UMNL PLUG HSG

[350865-1](#) 01 POS UMNL PLUG HSG



[350551-2](#) UMNL SOK 20-14 AWG AUBR L/P

[350689-2](#) UMNL SOK 24-18 AWG AUBR L/P

[640310-6](#) UMNL SOK 12-10 AWG AU/PHBZ



[350552-2](#) UMNL PIN 20-14 AWG AUBR L/P

[350690-2](#) UMNL PIN 24-18 AWG AUBR L/P

[640309-6](#) UMNL PIN 12-10 AWG AU/PHBZ

### Terminals & Connectors



[T4111002021-000](#) M12 Straight Male 2-Pos

[T4110002021-000](#) M12 Straight Female 2-Pos

[T4113001021-000](#) M12 Right Angle Male 2-Pos

[T4112001021-000](#) M12 Right Angle Female 2-Pos



[1445817-1](#) Mini CPC Plug 8 Pos

[1445826-1](#) Mini CPC Rcpt - Free Hanging 8P

[1445821-1](#) Mini CPC Rcpt - Panel Mount 8P

### Wire to Wire - ULTRA FAST



[2-520184-2](#) 250 ULTRA-FAST RCPT 22-18 TPBR

[3-350820-2](#) 250 ULTRA-FAST RCPT 16-14 TPBR

[4-520448-2](#) 250 ULTRA FAST REC 12-10TPBR



[2-520103-2](#) 250 ULTRA-FAST TAB 22-18 TPBR

[3-520107-2](#) 250 ULTRA-FAST TAB 16-14 TPBR

[4-521098-2](#) 250 ULTRA-FAST TAB 12-10 TPBR

### Ring, Spade and Splice Terminals



[34067](#) PG BUTT SPLC 22-16 COMM 22-18 MIL

[34071](#) SPLICE, PG BUTT 16-14

[34072](#) SPLICE, PG BUTT 12-10

[34150](#) PG R 22-16 COMM 22-18 MIL 1/4

[34162](#) TERMINAL, PG R 16-14 1/4

[34855](#) TERMINAL, PG R 12-10 1/4

[52041-1](#) TERMINAL, R PG 8 1/4

[52042-3](#) TERMINAL, R PG 6 1/4



[34156](#) PG SPD 22-16 COMM 22-18 MIL 10

[34176](#) TERMINAL, PG SPD 12-10 10



### Heat Shrink Tubing - VERSAFIT (shrink ratio 2-1)



[NB20364001](#) VERSAFIT 3/16-4-SP yellow

[NB20394001](#) VERSAFIT 3/16-9-SP white

[NB20344001](#) VERSAFIT 3/16-2-SP red

[NB20084001](#) VERSAFIT 1/4-4-SP yellow

# TE CONNECTIVITY PRODUCTS FIRST® Robotics Competition

## Wire to Wire/Panel Power Connectors



[53884-1](#) HSG ASSY, PWR LK, SRS2, 1 POS, BLU

[53884-4](#) HSG ASSY, PWR LK, SRS2, 1 POS, RED



[53886-1](#) PNL MT ADAPTER, FEMALE, POWER LK



[54330-1](#) CONTACT, PWR LK, SRS2, LS PC, SLDR, 6 awg max

[53880-4](#) CONTACT, PWR LK, SRS2, LS PC, CRMP, 10-6 awg

## Terminal Block



[1-1546670-4](#) 14P .437" DR BARRIER, W/BND SCRW

[1546670-3](#) 3P .437" DR BARRIER, W/BND SCRW

[1546670-4](#) 4P .437" DR BARRIER, W/BND SCRW

## Spring Plugs



[2350397-3](#) 3 POS SPRING TB PLUG, PITCH 5.00



[1986723-2](#) STR PLUG SPRING TYPE RH 2P, 3.50 mm

## Toggle Switches



[1-1437558-2](#) MTA106E=(MSTA) SWITCH TOGGLE S, SPDT on-off-on

[2-1437558-0](#) MTA206N=(MSTA) SWITCH TOGGLE DPDT, DPDT on-on

## Micro Switch



[1825043-3](#) UPO1DTANLA04, MICROSWITCH, SNAP SPDT

## Contacts



[794059-1](#) MATE-N-LOCK 30-26 AWG Pin

[794058-1](#) MATE-N-LOCK 30-26 AWG Socket

[770985-1](#) MATE-N-LOCK 26-22 AWG Pin

[770986-1](#) MATE-N-LOCK 26-22 AWG Socket

## Splices – Cool Splice



[2213600-7](#) CoolSplice 12-14 AWG

[2213600-8](#) CoolSplice 16-18 AWG

[2213800-4](#) CoolSplice 22-20 AWG

[2213600-6](#) CoolSplice 14-16 AWG - 16/18 AWG

## Power Relays



[1-1415898-4](#) Monostable, 400 mW Coil Power Rating DC, 1440 Ω Coil Resistance

[2-1415898-6](#) Bistable, 2 Coils, Polarized, 650 mW Coil Power Rating DC

## Sensors



[KMXP5002](#) 5MM PITCH AMR POSITION SENSOR KMXP - VER



[LDTM-028K](#) LDT WITH CRIMPS VIBRATION SENSOR/SWITCH



[10142048-22](#) HTU31 RH/T SENSOR IC Relative Humidity & Temperature Sensor