

2-520102-1 ✓ ACTIVE

Ultra-Fast | Ultra-Fast 250

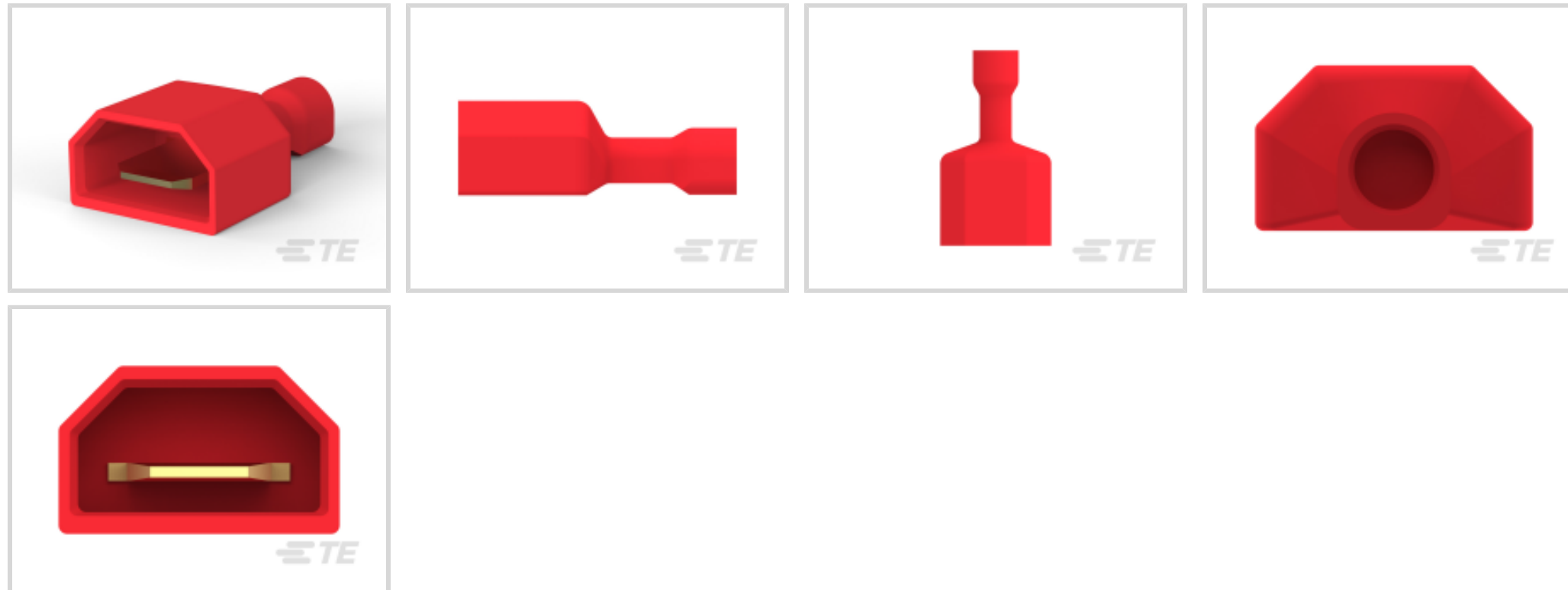
TE Internal #: 2-520102-1

Quick Disconnects, Tab, 22 – 18 AWG Wire Size, .32 – .82 mm<sup>2</sup> Wire Size, Mating Tab Width 6.35 mm [.25 in], Straight, Brass, Ultra-Fast 250

[View on TE.com >](#)



Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Tab**

Wire Size: **.32 – .82 mm<sup>2</sup>**

Mating Tab Width: **6.35 mm [.25 in]**

Mating Tab Thickness: **.81 mm [.032 in]**

## Features

### Product Type Features

|                 |        |
|-----------------|--------|
| Insertion Force | Normal |
|-----------------|--------|

### Configuration Features

|                     |        |
|---------------------|--------|
| Connection Capacity | Single |
|---------------------|--------|

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

### Electrical Characteristics

|                |       |
|----------------|-------|
| Voltage Rating | 600 V |
|----------------|-------|

### Body Features

|                     |       |
|---------------------|-------|
| Insulation Material | Nylon |
|---------------------|-------|

### Contact Features

|                                |     |
|--------------------------------|-----|
| Quick Disconnect Terminal Type | Tab |
|--------------------------------|-----|

|                  |                  |
|------------------|------------------|
| Mating Tab Width | 6.35 mm [.25 in] |
|------------------|------------------|

|                      |                  |
|----------------------|------------------|
| Mating Tab Thickness | .81 mm [.032 in] |
|----------------------|------------------|

|                      |          |
|----------------------|----------|
| Terminal Orientation | Straight |
|----------------------|----------|

|                       |       |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|



|                           |          |
|---------------------------|----------|
| Terminal Plating Material | Unplated |
|---------------------------|----------|

|            |         |
|------------|---------|
| Crimp Type | F-Crimp |
|------------|---------|

|             |        |
|-------------|--------|
| Barrel Type | Closed |
|-------------|--------|

### Termination Features

|                       |              |
|-----------------------|--------------|
| Product Terminates To | Wire & Cable |
|-----------------------|--------------|

### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

|                       |        |
|-----------------------|--------|
| Mating Retention Type | Dimple |
|-----------------------|--------|

### Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Terminal Material Thickness | .41 mm[.016 in] |
|-----------------------------|-----------------|

|                |                   |
|----------------|-------------------|
| Product Length | 21.75 mm[.855 in] |
|----------------|-------------------|

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter Range | 3.43 mm[.135 in] |
|--------------------------------------|------------------|

|           |                           |
|-----------|---------------------------|
| Wire Size | .32 – .82 mm <sup>2</sup> |
|-----------|---------------------------|

### Usage Conditions

|                   |                 |
|-------------------|-----------------|
| Insulation Option | Fully Insulated |
|-------------------|-----------------|

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 110 °C[-40 – 230 °F] |
|-----------------------------|----------------------------|

### Industry Standards

|                 |    |
|-----------------|----|
| Agency/Standard | UL |
|-----------------|----|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1400 |
|--------------------|------|

|                  |            |
|------------------|------------|
| Packaging Method | Strip/Reel |
|------------------|------------|

### Other

|              |     |
|--------------|-----|
| Barrel Color | Red |
|--------------|-----|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

|                             |           |
|-----------------------------|-----------|
| EU ELV Directive 2000/53/EC | Compliant |
|-----------------------------|-----------|

|   |   |
|---|---|
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
|---|---|

|  |  |
|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2023<br>(233) |
|--|--|



Candidate List Declared Against: JAN 2023  
(233)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

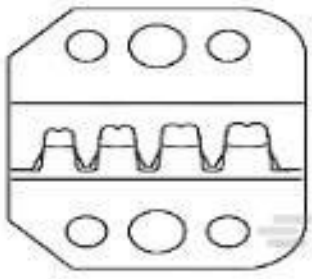
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Part # 90390-3  
DIES ULTRA-FAST FASTON 22-18 DIE SET



TE Part # 58628-2  
PROCRMP DIESET 26-14 ULTRAFAST



TE Part # 58628-1  
PROCRIMP T&D 26-14 ULTRAFAST



TE Part # 2151034-2  
OCEAN\_2.0\_APPLICATOR-S-1760



TE Part # 2-2151034-2  
OCEAN\_2.0\_APPLICATOR-S-1760



TE Part # 7-2151034-2  
OCEAN\_2.0\_APPLICATOR-S-1760



TE Part # 7-2151034-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-1760

Also in the Series | **Ultra-Fast 250**

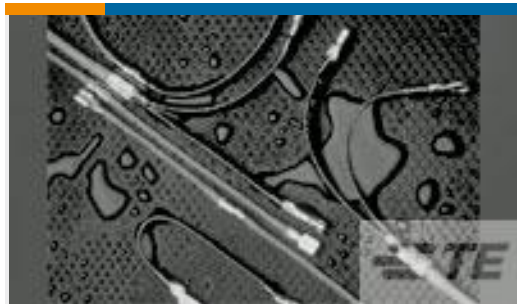
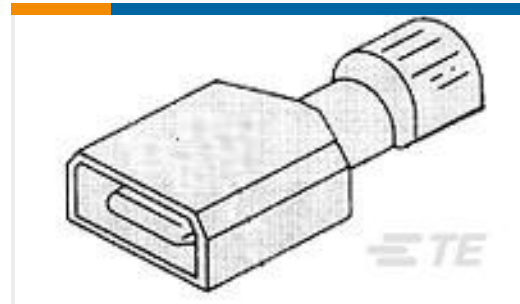
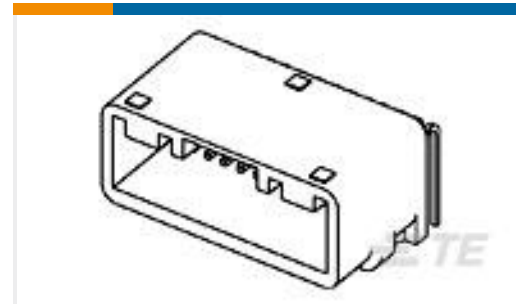
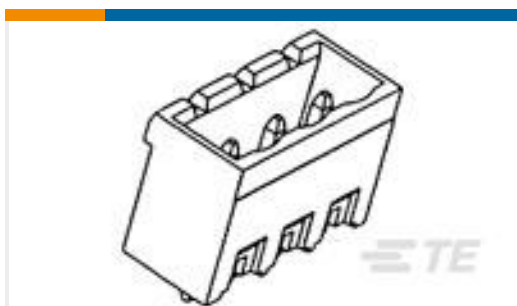


Automotive Housings(5)



Quick Disconnects(49)

## Customers Also Bought

TE Part #201451-000  
B-106-1993TE Part #2-521192-2  
ULTRA-FAST 250 ASY REC 22-18 TPBRTE Part #1376357-3  
025/090 CAP HSG 26PTE Part #41616  
250 FASTON TAB BRTE Part #796642-6  
6POS 5.0MM CE VRT HDR,TRM BLKTE Part #5-354779-6  
PIN, WIRE DISC .3270 (MARKED)

## Documents

### Product Drawings

[ULTRA-FAST 250 ASSEMBLY TAB 22-18 AWG BR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-520102-1\\_N.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-520102-1\\_N.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-520102-1\\_N.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

**TE Material Declaration**

English

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**Agency Approvals**

**UL**

English