

5-520181-2 ✓ ACTIVE

Ultra-Fast | Ultra-Fast 187

TE Internal #: 5-520181-2

Ultra-Fast 187, Quick Disconnects, Receptacle, 22 – 18AWG Wire Size, .32 – .82mm<sup>2</sup> Wire Size, Mating Tab Width 4.75 mm [.187 in]

[View on TE.com >](#)



Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: .32 – .82 mm<sup>2</sup>

Mating Tab Width: 4.75 mm [.187 in]

Mating Tab Thickness: .51 mm [.02 in]

## Features

### Product Type Features

Wire Stop	Yes
Wire/Cable Type	Regular Wire
Terminates To	Wire & Cable
Insertion Force	Normal
Sealable	No
Insulated	Yes

### Configuration Features

Connection Capacity	Single
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### Electrical Characteristics

Voltage (Max)	600 V
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### Body Features

Insulation Material	Nylon
Fully Insulated	Yes
Plating Material	Tin

### Contact Features



Terminal Type	Receptacle
Terminal & Splice Type	Receptacle
Terminal Orientation	Straight
Contact Base Material	Brass
Crimp Type	F-Crimp
Barrel Type	Closed

### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Accepts Wire Insulation Diameter Range	3.43 mm[.135 in]
Overall Length	21.755 mm[.855 in]
Receptacle Terminal Stock Thickness	.41 mm[.016 in]
Wire Size	.32 – .82 mm <sup>2</sup>
Mating Tab Width	4.75 mm[.187 in]
Mating Tab Thickness	.51 mm[.02 in]

### Usage Conditions

Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]
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### Industry Standards

UL Rating	Listed
UL Flammability Rating	UL 94V-2

### Packaging Features

Packaging Quantity	2700
Packaging Method	Strip/Reel

### Other

Barrel Color	Red
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### 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: JUN 2020  
(209)  
Candidate List Declared Against: JAN 2020  
(205)  
Does not contain REACH SVHC

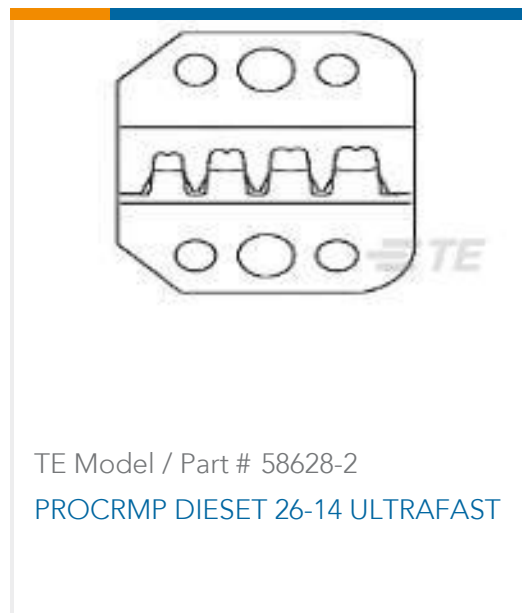
Halogen Content  
Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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

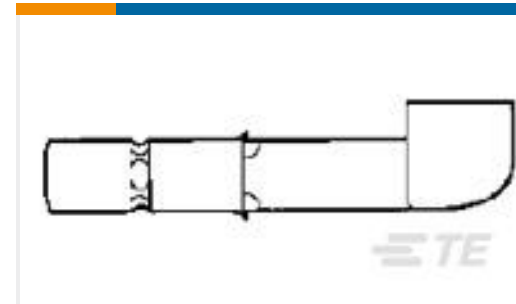
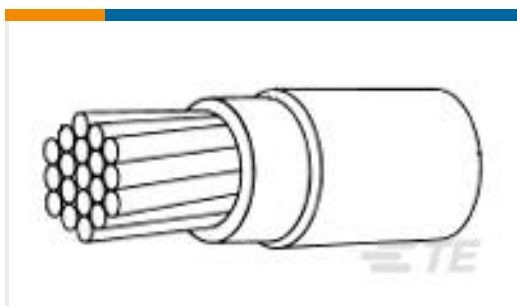
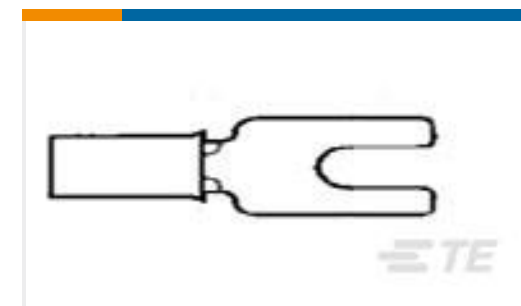
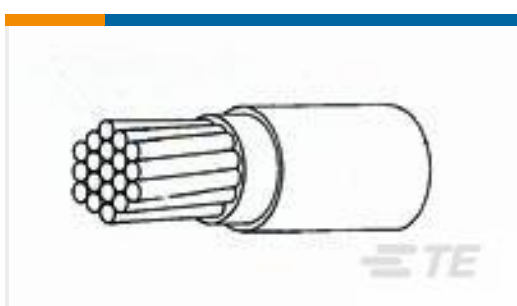
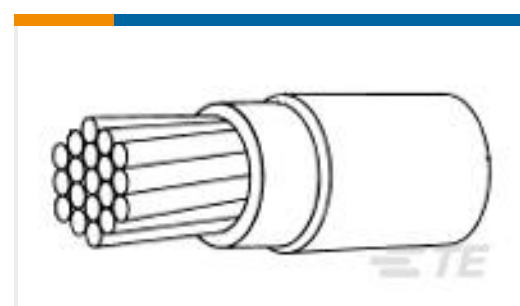


Also in the Series | **Ultra-Fast 187**



Quick Disconnects(47)

## Customers Also Bought

TE Model / Part #52956-2  
TERMINAL,PG SPR SPD 16-14 8TE Model / Part #770894-3  
03P SL156 HSG W/THRU BD LATCHTE Model / Part #31777  
KNIFE DISCONNECT,DG 22-16TE Model / Part #1742786-1  
FASTON 110 14-18AWG PTPBRTE Model / Part #278058-000  
55A0812-20-1TE Model / Part #1742785-1  
FASTON 110 18-22AWG TPBRTE Model / Part #3-641149-5  
05P MTA156 ASSY 20AWG YEL LFTE Model / Part #40891  
SPADE TERMINAL 12-10 AWG BRTE Model / Part #265052-003  
44A0811-12-9TE Model / Part #848644-000  
55A0812-20-5

## Documents

### Product Drawings

[ULTRA-FAST 187 ASY REC 22-18 AWG TPBR](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-520181-2\\_AD\\_c-5-520181-2-ad.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-520181-2\\_AD\\_c-5-520181-2-ad.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-520181-2\\_AD\\_c-5-520181-2-ad.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**

**Product Specification**

English

[FASTON, Ultra-Fast "187" Series 22-18 Fully Insulated, Qual Test](#)

English

[FASTON, Ultra-Fast "187" Series 22-18 Fully Insulated, Qual Test](#)

English

[FASTON, Ultra-Fast .250 Series 22 & 18 Fully Insulated, Qual Test](#)

English

[FASTON, Ultra-Fast .250 Series 22 & 18 Fully Insulated, Qual Test](#)

English

[Terminal, Ultra-Fast, 250 Series, FASTON Receptacle, Qualification](#)

English

[Terminal, Ultra-Fast, 250 Series, FASTON Receptacle, Qualification](#)

English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English

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**Agency Approvals**

**Agency Approval Document**

English