



# QUICK DISCONNECTS



TE CONNECTIVITY (TE)

## FF 250 REC 18-14AWG TPBR

FASTIN-FASTON | 250

42281-2

TE Internal Number: 42281-2  
Alias ID: 0-0042281-2

Always EU RoHS/ELV Compliant

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

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

Wire Insulation Diameter (Max) (mm) **4.32**

Wire Insulation Diameter **2.54 – 4.32 mm [ .11 – .17 in ]**

Wire Size (AWG) **18 – 14**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[RECEPTACLE, FASTIN-FASTON, 6.35 \[.250\] SERIES](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[Positive Lock Receptacles](#)

PDF  
English

[FASTIN\\_FASTON\\_Product\\_Line](#)

PDF  
English

### Product Specifications

Application Specification

[.110 .187, .250, .312, And .375 Series FASTIN-FASTON Housings And Contacts](#)

PDF  
English

Engineering Report

[Evaluation Testing Of 40 And 80 Microinches Of Tin Plating On FASTON Terminals](#)

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_42281-2\\_10142011625](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features

|                        |                     |
|------------------------|---------------------|
| Insertion Force        | <b>Normal</b>       |
| FASTON                 | <b>Yes</b>          |
| Wire/Cable Type        | <b>Regular Wire</b> |
| Insulated Wire Support | <b>Yes</b>          |
| Applies To             | <b>Wire/Cable</b>   |

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Configuration Features

|                     |                 |
|---------------------|-----------------|
| Paired              | <b>No</b>       |
| Terminal Angle      | <b>Straight</b> |
| Connection Capacity | <b>Single</b>   |

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Body Features

|                         |                   |
|-------------------------|-------------------|
| Plating Material        | <b>Brass, Tin</b> |
| Fully Insulated         | <b>No</b>         |
| Plating Thickness (µin) | <b>40</b>         |

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Contact Features

|                          |                 |
|--------------------------|-----------------|
| Underplating Material    | <b>Brass</b>    |
| Terminal Orientation     | <b>Straight</b> |
| Contact Plating Material | <b>Tin</b>      |

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Termination Features

|            |                |
|------------|----------------|
| Crimp Type | <b>F-Crimp</b> |
|------------|----------------|

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Mechanical Attachment

|                       |                              |
|-----------------------|------------------------------|
| Mating Retention Type | <b>Dimple, Locking Lance</b> |
|-----------------------|------------------------------|

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Dimensions

|                                     |  |
|-------------------------------------|--|
| Mating Tab Width                    | <b>6.35 mm [ .25 in ]</b>              |
| Mating Tab Thickness                | <b>.81 mm [ .032 in ]</b>              |
| Wire Insulation Diameter (Max) (mm) | <b>4.32</b>                            |
| Wire Insulation Diameter            | <b>2.54 – 4.32 mm [ .11 – .17 in ]</b> |
| Wire Size (AWG)                     | <b>18 – 14</b>                         |
| Wire Size (mm <sup>2</sup> )        | <b>.8 – 2</b>                          |
| Material Thickness                  | <b>.41 mm [ .016 in ]</b>              |
| Overall Length                      | <b>19.05 mm [ .75 in ]</b>             |

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Operation/Application

|                  |               |
|------------------|---------------|
| For Housing Type | <b>Single</b> |
|------------------|---------------|

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|                    |  |                   |
|--------------------|--|-------------------|
| Industry Standards | UL Rating  | <b>Recognized</b> |
|                    | CSA Certified  | <b>Yes</b>        |
| Packaging Features | Packaging Method   | <b>Reel</b>       |
|                    | Packaging Quantity   | <b>11000</b>      |
| Product Compliance | <a href="#">Statement of Compliance PDF</a><br><a href="#">VIEW ALL PRODUCT COMPLIANCE</a> |                   |

## CUSTOMERS ALSO BOUGHT

| M.2 CONNECTORS  | CRIMP QUICK DISCONNECTS   | WIRE-TO-BOARD CONNECTOR CONTACTS  | CRIMP QUICK DISCONNECTS   |
|---|---|---|---|
|  |  |  |  |
| M.2 0.5PITCH 3.2H KEY E<br>15U" AU<br>2199119-4                                   | FF 250 REC 16-12AWG<br>TPBR<br>60249-2  | REC 187POS-LK MKIII TPBR<br>22-18<br>1217113-2                                    | FF 375 REC 3-6MM2 TPBR<br>280756-2  |
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Relation Type ▼

RELATIONSHIP

### Toolings

Tooling

[See All Toolings](#)

|   |  |  |                                     |
|---|--|--|-------------------------------------|
|  | <p>PRODUCT - TOOLINGS</p> <p>Application Tooling - OCEAN Applicators<br/>AMP</p> <p><b>OC-AT-E-FA-110F180F-001-0054 - 2150042-2</b></p> <p>TE INTERNAL NUMBER: 2150042-2</p> <p>✓ Active</p> | <p>Not in Scope for EU RoHS/ELV Compliance</p> <p>Region <b>Worldwide</b></p> <p>Tool Type <b>Applicator</b></p> <p>Spare Parts Tooling <b>No</b></p> <p>Applicator Style <b>OCEAN - Atlantic</b></p> <p>Applicator Feed Style <b>End Feed</b></p> | <input checked="" type="checkbox"/> |
|---|--|--|-------------------------------------|

RELATIONSHIP

## Toolings

Tooling

[See All Toolings](#)

PRODUCT - TOOLINGS



Application Tooling - OCEAN Applicators  
AMP

### OC-110F180F- CRIMPTOOLINGKIT - 7-2150042-7

TE INTERNAL NUMBER: 7-2150042-7

✓ Active

Not in Scope for EU RoHS/ELV  
Compliance

Region **Worldwide**

Tool Type **Applicator**

Spare Parts Tooling **Yes**

Spare Parts Tool Type **Spare  
Parts Kit**



RELATIONSHIP

## Toolings

Tooling

[See All Toolings](#)

PRODUCT - TOOLINGS



Application Tooling - OCEAN Applicators  
AMP

### OC-AT-E-FM-110F180F- 001-0054 - 2150042-1

TE INTERNAL NUMBER: 2150042-1

✓ Active

Not in Scope for EU RoHS/ELV  
Compliance

Region **Worldwide**

Tool Type **Applicator**

Spare Parts Tooling **No**

Applicator Style **OCEAN -  
Atlantic**

Applicator Feed Style **End Feed**

