

## FASTIN-FASTON Product Line

### Product Facts

- Used for single and multiple connections
- Receptacles and tabs available for 6.3, 4.8 and 2.8 mm size (.250 – .187 and .110 Series)
- Receptacles mate with 0.5 and 0.8 thick tabs
- IEC 60335-1, Glow Wire 750° No Flame housings available
- RoHS Compliant

### Material and Finish

**Contacts** — Brass, and phosphor bronze base material. Tin and nickel plated products available

**Housings** — Polyamide UL 94 V2 and UL 94 V0

### Technical Documents

#### Application Specifications

114-2025 FASTIN-FASTON Product Line



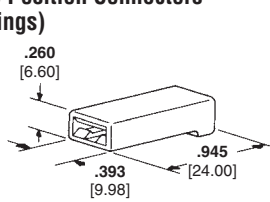
TE FASTIN-FASTON connectors offer the advantage of the FASTON receptacles technology in multiple applications. In wiring harnesses, they are mainly used as multiposition and coupling connectors. Up to 8 position connectors can be mated in one operation with a maximum of 20 leads terminated.

### Locking Contacts

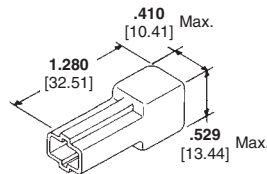
Receptacles and tabs in this version comply fully with the FASTON receptacles product technology. The only difference is the addition of a locking lance, which helps ensure firm retention of contacts when snapped into housings. Wiring harnesses prefabricated with male or female connectors can be easily connected to mating counterparts, even if manufacturing occurred at a different site. Any application of this technology leads to essential time savings in final assembly.

**FASTIN-FASTON Product Line** (Continued)

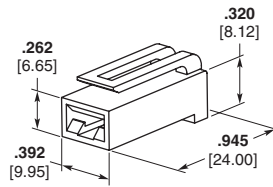
**250 Series (6.3 mm)**  
**Single Position Connectors**  
**(Housings)**



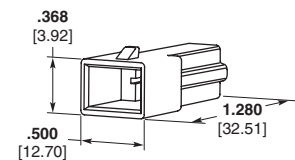
A — Receptacle Housing



B — Tab Housing



C — Receptacle Housing

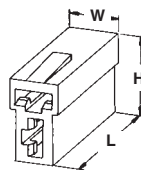


D — Tab Housing

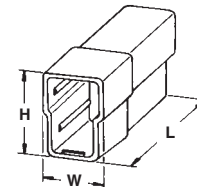
Style	Material	Color	UL 94	Note	Part Number	UL	SP
A	Nylon	Natural	V2	—	480054-3	X	X
		Black	V2	—	480054-4	X	X
		Red	V2	—	480054-5	X	X
B	Nylon	Natural	V0	—	521290-1	X	X
		Natural	V2	—	480053-3	X	X
		Black	V2	—	480053-4	X	X
	Nylon	Red	V2	—	480053-5	X	X
		Natural	V0	—	521289-1	X	X
C	Nylon	Natural	V2	—	521743-1	X	X
D	Nylon	Natural	V2	—	521744-1	X	X

<sup>1</sup> Flammability rating.

**250 Series (6.3 mm)**  
**2 Position Connectors**



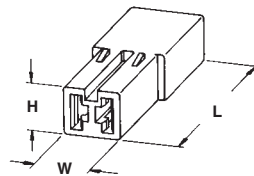
D — Receptacle Housing



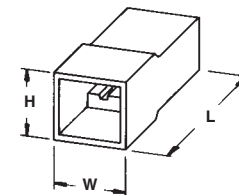
E — Tab Housing

Style	Material	Color	UL 94	Note	Dimensions (mm)			Part Number	UL	SP
					W	L	H			
D	Nylon	Natural	V2	—	.402	.902	.654	180907-0	—	—
		Black	V2	—	10.2	22.9	16.6	180907-5	—	—
		Natural	V0	GWT 750° No Flame				1-180907-0	—	—
E	Nylon	Natural	V2	—	.500	1.224	.791	180908-0	—	—
		Black	V2	—	12.7	31.1	20.1	180908-5	—	—
		Natural	V0	GWT 750° No Flame				880310-8	—	—

**250 Series (6.3 mm)**  
**2 Position Connectors**



F — Receptacle Housing



G — Tab Housing

Style	Material	Color	UL 94	Note	Dimensions (mm)			Part Number	UL	SP
					W	L	H			
F	Nylon	Natural	V2	—	.492	.902	.394	180923-0	X	—
		Black	V2	—	12.50	22.9	10.0	180923-5	X	—
		Natural	V0	—				4-180923-0	X	—
G	Nylon	Natural	V2	—	.598	1.240	.520	180924-0	X	—
		Black	V2	—	15.2	31.5	13.2	180924-5	X	—
		Natural	V0	—				4-180924-0	X	—

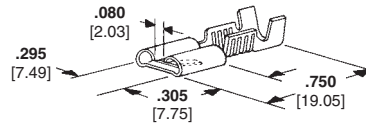
**Note:** All part numbers are RoHS compliant.

**FASTIN-FASTON Product Line** (Continued)

**250 Series**

**Receptacles with Mating Dimple**  
(For use with single circuit connectors)

Fits Tab — .032 [0.81]  
Stock Thickness — .016 [0.41]



Wire Range AWG	Insulation Diameter	Material and Finish	Terminal Part Number	UL	CS	Quick-Change Applicator No. <sup>2</sup>
18-14	.100-.170 2.54-4.32	Brass	42281-1	X	X	687940-2
		Tin Plated Brass	42281-2	X	X	687940-2
		Brass	60634-1 <sup>1</sup>	X	X	687940-2
16-12 (2) 16	.160-.210 4.06-5.33 (2) .130 Max. 3.30	Brass	60249-1	X	X	466057-2
		Tin Plated Brass	60249-2	X	X	466057-2
11-10	.157-.205 3.99-5.21	Brass	160914-1	—	—	—
		Tin Plated Brass	160914-2	—	—	—

<sup>1</sup> No front slot.

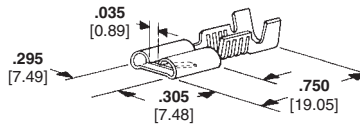
<sup>2</sup> Quick-change applicator for AMP-O-LECTRIC machine 565435-5.  
For AMPOMATOR machine and other machines not listed, contact TE.

FASTIN-FASTON Product Line

**250 Series**

**Receptacles without Mating Dimple**  
(For use with multiple circuit connectors)

Fits Tab — .032 [0.81]  
Stock Thickness — .012 [0.30]

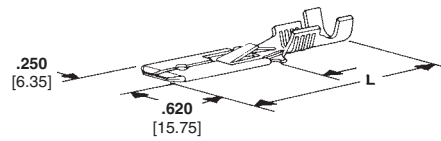


Wire Range AWG	Insulation Diameter	Material and Finish	Terminal Part Number	UL	CS	Quick-Change Applicator No. <sup>1</sup>
22-18	.085-.125 2.16-3.18 .060-.100 1.52-2.54	Tin Plated Brass	60295-2	X	X	687981-2
		Tin Plated Brass	60413-1	X	X	687979-3
18-14	.100-.170 2.54-4.32	Brass	42100-1	X	X	687932-2
		Tin Plated Brass	42100-2	X	X	687932-2
16-12 or (2) 16	.160-.210 or 4.06-5.33 or (2) .130 Max. 3.30	Tin Plated Brass	60253-2	X	X	466058-2
12-10	.134-.200 3.40-5.08	Brass	180351-1	—	—	—
		Pre-Tin Plated Brass	180351-2	—	—	—

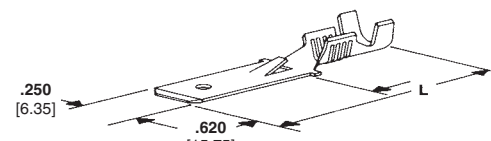
<sup>1</sup> Quick-change applicator for AMP-O-LECTRIC machine 565435-5.  
For AMPOMATOR machine and other machines not listed, contact TE.

**250 Series**

**Tabs**  
(For use with single or multiple circuit connectors)  
Stock Thickness — .015 [0.38]



A



B

Wire Range AWG	Style	Tab Thk.	Insulation Diameter	Dim. L	Material and Finish	Terminal Part No.	UL	CS	Quick-Change Applicator No. <sup>2</sup>
22-18	A	.032 0.81	.085-.125 2.16-3.18	1.105 28.07	Brass	62553-1	X	X	687982-2
					Tin Plated Brass	62553-3	X	X	687982-2
18-14	A	.032 0.81	.100-.170 2.54-4.32	1.105 28.07	Brass	42460-1	X	X	687839-2
					Tin Plated Brass	42460-2	X	X	687839-2
14-10	B	.016 0.41	.120-.145 3.05-3.68	1.100 27.94	Tin Plated Brass	42580-2 <sup>1</sup>	X	X	687839-2
					A	.032 0.81	.120-.170 3.05-4.32	1.105 28.07	Tin Plated Brass

<sup>1</sup> Used for back-to-back with a combined thickness of .032 [0.81].

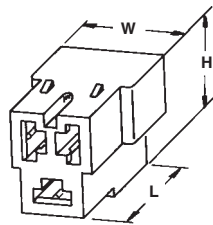
<sup>2</sup> Quick-change applicator for AMP-O-LECTRIC machine 565435-5.  
For AMPOMATOR machine and other machines not listed, contact TE.

<sup>3</sup> 9600 cma max.

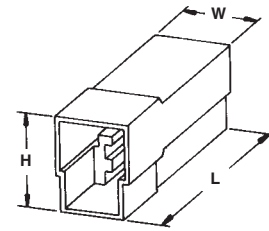
**Note:** All part numbers are RoHS compliant.

**FASTIN-FASTON Product Line** (Continued)

**250 Series (6.3 mm)**  
**3 Position Connectors**



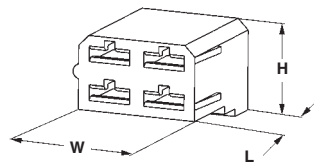
G — Receptacle Housing



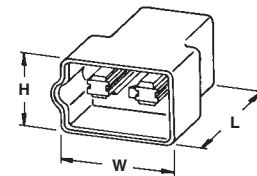
H — Tab Housing

Style	Material	Color	UL 94	Note	Dimensions (mm)			Part Number	UL	SP
					W	L	H			
G	Polyamide	Natural	V2	—	.598	.902	.705	180941-0	—	—
		Black	V2	—	15.2	22.9	17.9	180941-5	—	—
		Natural	V2	GWT 750° No Flame	—	—	—	2-180941-0	—	—
E	Polyamide	Natural	V2	—	.598	1.252	.783	180940-0	—	—
		Black	V2	—	15.2	31.8	19.9	180940-5	—	—
		Natural	V2	GWT 750° No Flame	—	—	—	2-180940-0	—	—

**250 Series (6.3 mm)**  
**4 Position Connectors**



L — Receptacle Housing



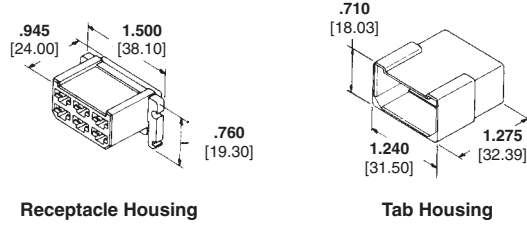
M — Tab Housing

Style	Material	Color	UL 94	Note	Dimensions (mm)			Part Number	UL	SP
					W	L	H			
L	Polyamide	Natural	V2	—	.909	.949	.606	180900-0	X	—
		Black	V2	—	23.1	24.1	15.4	180900-5	X	—
		Natural	V0	GWT 750° No Flame	—	—	—	2-880110-0	—	—
M	Polyamide	Natural	V2	—	1.031	1.240	.650	180901-0	X	—
		Black	V2	—	26.2	31.5	16.5	180901-5	X	—
		Natural	V0	GWT 750° No Flame	—	—	—	2-626541-0	—	—

**Note:** All part numbers are RoHS compliant.

**FASTIN-FASTON Product Line** (Continued)

**250 Series  
6 Circuit Connectors  
(Housings)**



Material	UL 94 <sup>1</sup>	Color	Part Numbers		UL	SP
			Receptacle	Tab		
Nylon	V2	Natural	480003-5	480004-5	X	X
		Black	1-480281-0 <sup>2</sup>	1-480282-0	X	X

<sup>1</sup> Flammability rating.  
<sup>2</sup> No mounting ears.

FASTIN-FASTON Product Line

**250 Series (6.3 mm)  
8 Position Connectors**



Style	Material	Color	UL 94	Note	Dimensions (mm)			Part Number	UL	SP
					W	L	H			
Q	Polyamide	Natural	V2	—	1.484 37.7	.949 24.1	.654 16.6	163007-0	—	—
R	Polyamide	Natural	V2	—	1.579 40.1	1.283 32.6	.720 18.3	163008-0	—	—

**Note:** All part numbers are RoHS compliant.