

FASTON Receptacles

Product Facts

- Full line of premier, budget, LIF, moldable and hermetic uninsulated receptacles
- Straight, right-angle and receptacle and tab combinations available
- Receptacles available in .312, .250, .205, .187, .125 and .110 sizes
- Available in 8-30 AWG wire ranges
- Receptacles mate with .032 and .020 thick tabs
- Available with or without secondary wire support
- Base materials brass, phosphor bronze and steel available
- Tin, silver and nickel plated products available
- Products designed and manufactured to meet UL 310 specifications
- Products designed and manufactured to meet CSA C22.2 specifications



TE offers a full line of uninsulated quick connects. We offer products for a wide variety of applications in almost every market and industry we serve. It is important to choose the correct terminal for each application. The following is a list of application specific characteristics that must be considered when determining the best terminal for each individual application.

Mating Tab

Size (.312, .250, .205, .187, .110, etc.)

Wire Type

Magnet or stranded

Wire Orientation

Straight or flag

Temperature/Environment

Base metal plating requirements

Insulator required

Pre-insulated housing required

Agency Approvals (UL/CSA)

Application

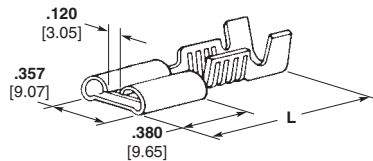
Continuous strip or loose piece

Special Applications

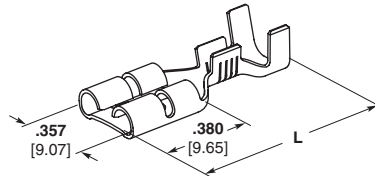
Moldable
Hermetic
Printed circuit board
Piggyback (straight/flag)
Reversible flags
Center strip
Positive locking

312 Series Receptacles

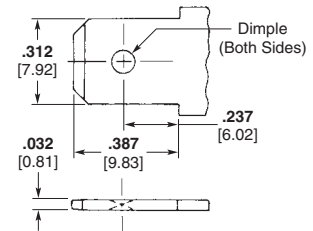
Straight Receptacles, Insulation Support



A — Premier Line



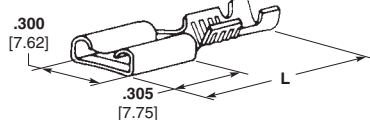
B — Low Insertion Force


Mating 312 Series Tab Dimensions
Dimple (Both Sides)

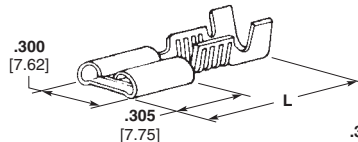
Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
18-14	A	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.900 22.86	—	X	X	62092-1
	A	.032 0.81	.110-.210 2.79-5.33 or (2)	Brass, Tin Plated	.016 0.41	.900 22.86	—	X	X	61399-1
16-12	B	.032 0.81	.110-.210 2.79-5.33 or (2)	Brass, Tin Plated	.016 0.41	.900 22.86	—	X	X	63677-1
	B	.032 0.81	.110-.210 2.79-5.33 or (2)	Brass	.016 0.41	.900 22.86	—	X	X	63677-2
14-10	A	.032 0.81	.150-.200 3.81-5.08	Brass, Silver Plated	.018 0.46	.900 22.86	—	X	X	63820-1

250 Series Receptacles

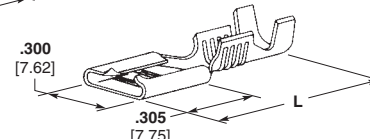
Straight Receptacles, Insulation Support



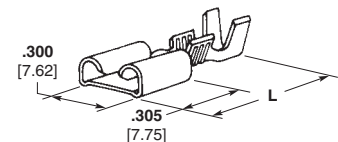
A — Premier Line



B — Budget Line



C — Economy Line



D — Moldable Line

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
26-22	C	.032 0.81	.040-.060 1.02-1.52	Brass	.016 0.41	.755 19.18	X ¹	—	X ¹	61202-1
24-20	A	.032 0.81	.030-.070 0.76-1.78	Brass, Tin Plated	.016 0.41	.755 19.18	X ²	—	X ²	61368-1
	A	.032 0.81	.060-.100 1.52-2.54	Brass	.016 0.41	.755 19.18	X	—	X	42640-1
	A	.032 0.81	.060-.100 1.52-2.54	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	42640-2
	A	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	X	—	X	41771
	A	.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	41772
22-18	B	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	X	—	X	42510-1
	B	.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	42510-2
	C	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	X	—	X	42743-1
	C	.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	42743-2
	D	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	—	—	—	63127-1

¹ UL listed and CSA certified for 22 AWG.

² UL listed and CSA certified for 22-20 AWG.

³ Mates with a .020 [0.51] thick tab.

⁴ 9,600 CMA max.

⁵ UL/CSA - 10 AWG only.

⁶ Stress relieved.

⁷ Recommended for external use only.

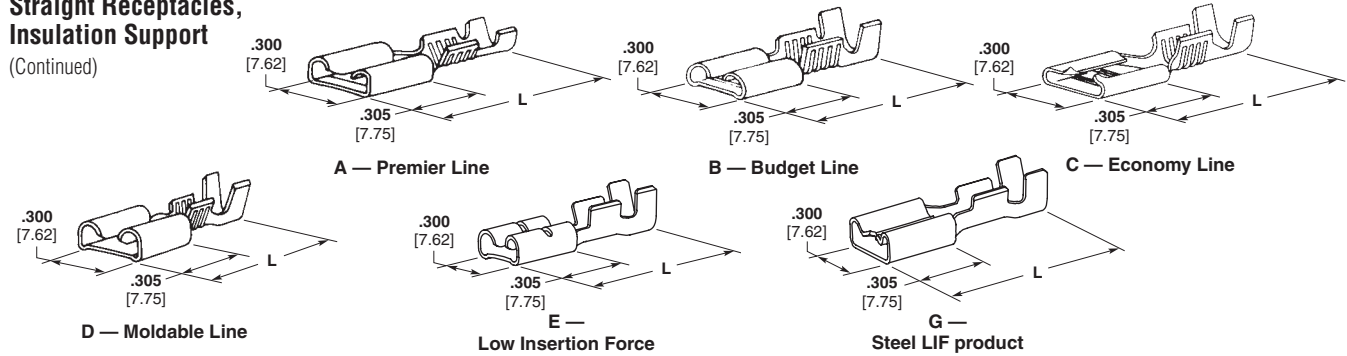
⁸ Recommended for internal or external use.

Note: All part numbers are RoHS compliant.

250 Series Receptacles (Continued)

Straight Receptacles, Insulation Support

(Continued)



Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	SP	Terminal Part Number
22-18	E	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	X	—	X	63693-1 ⁶
		.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.755 19.18	X	—	X	63609-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	63609-2
	A	.020 0.51	.120-.170 3.05-4.32	Brass, Tin Plated	.018 0.46	.755 19.18	X	—	X	63655-1 ³
		.032 0.81	.060-.110 1.52-2.79	Brass, Tin Plated	.018 0.46	.755 19.18	X	—	X	61375-1
		.032 0.81	.060-.110 1.52-2.79	Steel, Nickel Plated	.016 0.41	.755 19.18	—	—	—	63688-1
		.032 0.81	.120-.170 3.05-4.32	Steel, Nickel Plated	.016 0.41	.755 19.18	—	X	X	42219-1
		.032 0.81	.120-.170 3.05-4.32	Brass	.018 0.46	.755 19.18	X	—	X	41202
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.018 0.46	.755 19.18	X	—	X	41274
		.032 0.81	.120-.170 3.05-4.32	Brass	.016 0.41	.750 19.05	X	—	X	42400-1
18-14	B	.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.016 0.41	.750 19.05	X	—	X	42400-2
		.032 0.81	.120-.170 3.05-4.32	Brass, Silver Plated	.016 0.41	.755 19.18	X	—	X	61107-1 ⁶
		.032 0.81	.120-.170 3.05-4.32	Brass	.016 0.41	.755 19.18	X	—	X	42660-1
	C	.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	42660-2
		.032 0.81	.150-.210 3.81-5.33	Brass	.016 0.41	.780 19.81	X	—	X	42692-1
		.032 0.81	.150-.210 3.81-5.33	Brass, Tin Plated	.016 0.41	.780 19.81	X	—	X	42692-2
	D	.032 0.81	.120-.170 3.05-4.32	Brass	.016 0.41	.750 19.05	X	—	X	60650-1
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.016 0.41	.750 19.05	X	—	X	60650-2
		.020 0.51	.120-.170 3.05-4.32	Brass, Tin Plated	.018 0.46	.775 19.69	X	—	X	63993-1 ^{3,6}
	E	.032 0.81	.120-.170 3.05-4.32	Brass	.018 0.46	.755 19.18	X	—	X	63537-1 ⁶
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.018 0.46	.755 19.18	X	—	X	63537-2 ⁶
		.032 0.81	.120-.170 3.05-4.32	Steel, Nickel Plated	.016 0.41	.755 19.18	—	X	X	63674-1 ⁶
		.032 0.81	.120-.170 3.05-4.32	Brass	.016 0.41	.755 19.18	X	—	X	63306-1
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.016 0.41	.755 19.18	X	—	X	63306-2
		.032 0.81	.120-.170 3.05-4.32	Steel, Nickel Plated	.016 0.41	.755 19.18	—	X	—	1742198-1
		.032 0.81	.120-.170 3.05-4.32	Steel, Nickel Plated	.016 0.41	.755 19.18	—	X	—	1742198-1

¹ UL listed and CSA certified for 22 AWG.

² UL listed and CSA certified for 22-20 AWG.

³ Mates with a .020 [0.51] thick tab.

⁴ 9,600 CMA max.

⁵ UL/CSA - 10 AWG only.

⁶ Stress relieved.

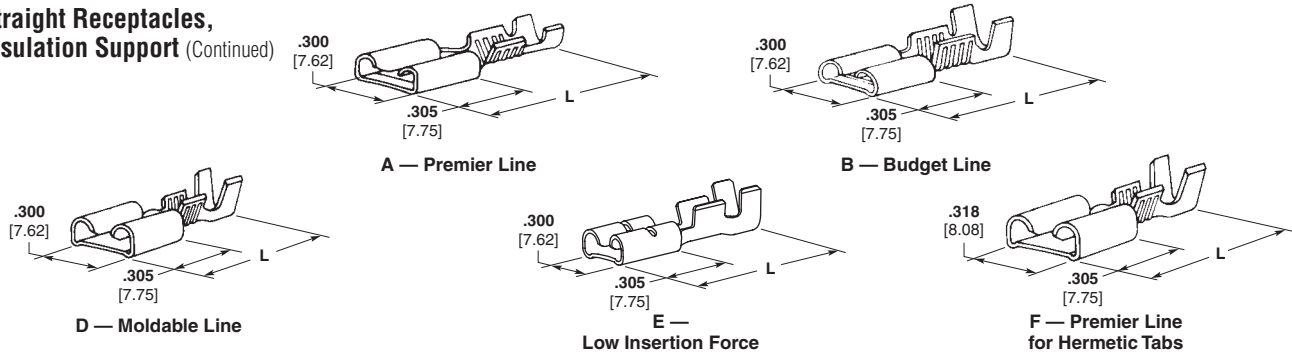
⁷ Recommended for external use only.

⁸ Recommended for internal or external use.

Note: All part numbers are RoHS compliant.

250 Series Receptacles (Continued)

Straight Receptacles, Insulation Support (Continued)



Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	CSA	SP	Terminal Part Number
18-14	F	.032 0.81	.120-.170 3.05-4.32	Brass	.018 0.46	.750 19.05	X	—	X	62500-1 ⁷
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.018 0.46	.750 19.05	X	—	X	62500-2 ⁷
		.032 0.81	.120-.170 3.05-4.32	Phos Brz, Tin Plated	.018 0.46	.750 19.05	X	—	X	41774 ⁸
16-12 (2) 16	B	.032 0.81	.160-.210 4.06-5.33 .130 (2) 3.30	Brass	.016 0.41	.750 19.05	X	—	X	63896-1
16-12	A	.032 0.81	.210-.265 5.33-6.73	Steel, Nickel Plated	.018 0.46	.830 21.08	—	X	X	42579-1
16-12 (2) 18	A	.032 0.81	.210-.265 5.33-6.73 (2) .120 3.05 Max.	Brass	.018 0.46	.820 20.93	X	—	X	41727
				Brass, Tin Plated	.018 0.46	.820 20.93	X	—	X	41728
	E	.032 0.81	.210-.265 5.33-6.73 (2) .120 3.05 Max.	Brass	.018 0.46	.755 19.18	X	—	X	63757-1
				Steel, Nickel Plated	.018 0.46	.755 19.18	—	X	X	63757-2
14-10	A	.032 0.81	.150-.200 3.81-5.08	Brass	.018 0.46	.770 19.56	X	—	X	41449 ⁴
				Brass, Tin Plated	.018 0.46	.770 19.56	X	—	X	41450 ⁴
	B	.032 0.81	.150-.200 3.81-5.08	Brass, Silver Plated	.018 0.46	.750 19.05	X	—	X	61095-1 ⁴
				Brass, Silver Plated	.018 0.46	.755 19.18	X	—	X	63435-1 ^{4,6}
	E	.032 0.81	.150-.200 3.81-5.08	Brass	.018 0.46	.775 19.69	X	—	X	63365-1 ⁴
				Brass, Tin Plated	.018 0.46	.775 19.69	X	—	X	63365-2 ⁴
	F	.032 0.81	.150-.200 3.81-5.08	Brass, Tin Plated	.018 0.46	.770 19.56	X	—	X	42437-2 ^{4,7}
				Phos Brz, Tin Plated	.018 0.46	.770 19.56	X	—	X	42437-5 ^{4,8}
	A	.032 0.81	.225-.275 5.72-6.99 (2) .140 3.56	Brass, Tin Plated	.018 0.46	.775 19.69	X	—	X	60635-1 ⁴
				Brass, Silver Plated	.018 0.46	.775 19.69	X	—	X	60635-2 ⁴
				Brass	.018 0.46	.775 19.69	X	—	X	60635-3 ⁴
14-10 (2) 14	D	.032 0.81	.225-.275 5.72-6.99 (2) .140 3.56	Brass, Tin Plated	.018 0.46	.750 19.05	—	—	—	63419-1 ^{4,6}
	E	.032 0.81	.225-.275 5.72-6.99 (2) .140 3.56	Brass, Tin Plated	.018 0.46	.755 19.18	X	—	X	63539-1 ^{4,6}
				Brass	.018 0.46	.755 19.18	X	—	X	63539-2 ^{4,6}

¹ UL listed and CSA certified for 22 AWG.

² UL listed and CSA certified for 22-20 AWG.

³ Mates with a .020 [0.51] thick tab.

⁴ 9,600 CMA max.

⁵ UL/CSA - 10 AWG only.

⁶ Stress relieved.

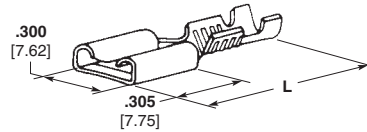
⁷ Recommended for external use only.

⁸ Recommended for internal or external use.

Note: All part numbers are RoHS compliant.

250 Series Receptacles (Continued)

Straight Receptacles, Insulation Support (Continued)



A — Premier Line

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
12-10	A	.032 0.81	.150-.200 3.81-5.08	Brass, Tin Plated	.018 0.46	.775 19.69	X	—	X	62428-2
		.032 0.81	.150-.200 3.81-5.08	Phos Brz, Tin Plated	.018 0.46	.775 19.69	X	—	X	62428-3
10-8	A	.032 0.81	.230-.280 5.84-7.11 or (2) .160 4.06	Brass, Tin Plated	.018 0.46	.775 19.69	X	—	X	62998-2 ⁵

¹ UL listed and CSA certified for 22 AWG.

² UL listed and CSA certified for 22-20 AWG.

³ Mates with a .020 [0.51] thick tab.

⁴ 9,600 CMA max.

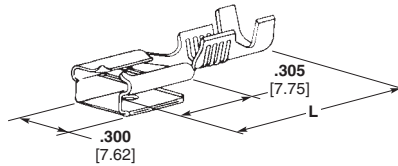
⁵ UL/CSA - 10 AWG only.

⁶ Stress relieved.

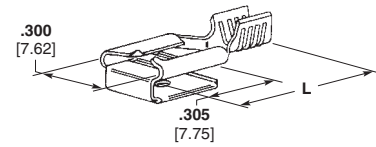
⁷ Recommended for external use only.

⁸ Recommended for internal or external use.

Receptacle and Tab Combinations



A — Economy Line


B — Economy Line
Non-Insulation Support

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
22-18	A	.032 0.81	.060-.100 1.52-2.79	Brass	.015 0.38	.770 19.56	X	—	X	61988-1
		.032 0.81	.060-.100 1.52-2.79	Brass, Tin Plated	.015 0.38	.770 19.56	X	—	X	61988-2
		.032 0.81	.060-.100 1.52-2.79	Brass, Tin Plated	.015 0.38	.770 19.56	X	—	X	61988-3 ²
18-14	A	.032 0.81	.120-.170 3.05-4.32	Brass	.015 0.38	.770 19.56	X	—	X	61944-1
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.015 0.38	.770 19.56	X	—	X	61944-2
		.032 0.81	.120-.170 3.05-4.32	Brass	.032-.016 0.81-0.41	.770 19.56	X	—	X	62109-1 ¹
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.032-.016 0.81-0.41	.770 19.56	X	—	X	62109-2 ¹
		.032 0.81	.120-.170 3.05-4.32	Brass	.015 0.38	.770 19.56	X	—	X	62223-1 ²
		.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.015 0.38	.770 19.56	X	—	X	62223-2 ²
	B	.032 0.81	—	Pre-Tin Brass	.015 0.38	.610 15.49	X	—	X	62276-1
		.032 0.81	.150-.200 3.81-5.08	Brass	.015 0.38	.770 19.56	X	—	X	62253-1 ³
		.032 0.81	.150-.200 3.81-5.08	Brass, Tin Plated	.015 0.38	.770 19.56	X	—	X	62253-2 ³
14-10	A	.032 0.81	.150-.200 3.81-5.08	Brass, Tin Plated	.032-.016 0.81-0.41	.770 19.56	X	—	X	1217043-1 ^{1,3}
	B	.032 0.81	—	Pre-Tin Brass	.015 0.38	.610 15.49	X	—	X	62068-1 ³
		.032 0.81	.150-.200 3.81-5.08	Brass, Tin Plated	.032-.016 0.81-0.41	.770 19.56	X	—	X	1217043-1 ^{1,3}

¹ Dual Thickness.

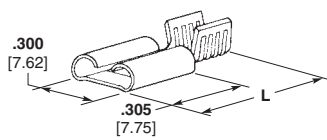
² Stress relieved.

³ 9600 CMA Max.

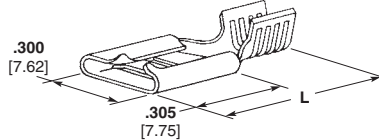
Note: All part numbers are RoHS compliant.

250 Series Receptacles (Continued)

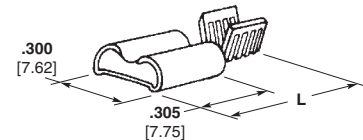
Straight Receptacles, Non-Insulation Support



A — Premier Line



B — Economy Line



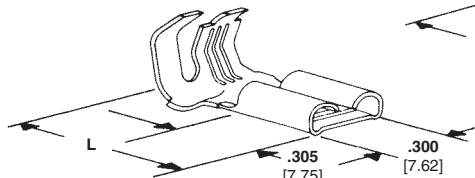
C — Moldable Line

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
18-14	A	.032 0.81	—	Brass, Tin Plated	.018 0.46	.655 16.64	X	—	X	41194
		.032 0.81	—	Steel, Nickel Plated	.018 0.46	.655 16.64	—	X	X	41143-1
	B	.032 0.81	—	Brass	.016 0.41	.595 15.11	X	—	X	42845-1
		.032 0.81	—	Brass, Tin Plated	.016 0.41	.595 15.11	X	—	X	42845-2
	C	.032 0.81	—	Brass	.016 0.41	.655 16.64	X	—	X	60938-1
		.032 0.81	—	Brass, Tin Plated	.016 0.41	.655 16.64	X	—	X	60938-2
		.032 0.81	—	Brass, Tin Plated	.016 0.41	.655 16.64	—	—	—	63981-1 ¹
		.032 0.81	—	Brass, Tin Plated	.016 0.41	.655 16.64	—	—	—	63981-1 ¹

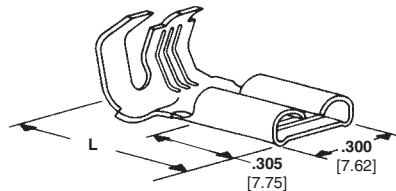
¹ No dimple.

250 Series Tab-Lok Flags

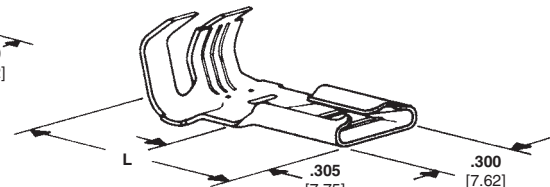
Flag Receptacles, Insulation Support



A — Premier Line



B — Budget Line



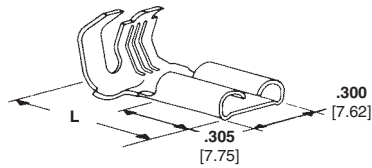
C — Economy Line

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
22-16	C	.032 0.81	.070- .130 1.78-3.30	Brass	.016 0.41	.670 17.02	X	—	X	63577-1
		.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	41531
18-12	A	.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	41532
		.032 0.81	.110-.210 2.79-5.33	Brass, Silver Plated	.018 0.46	.670 17.02	X	—	X	61156-1
		.032 0.81	.110-.210 2.79-5.33	Steel, Nickel Plated	.018 0.46	.670 17.02	—	X	X	41531-1
		.032 0.81	.110-.210 2.79-5.33	Steel, Nickel Plated	.016 0.41	.670 17.02	—	X	X	42404-1
	B	.032 0.81	.110-.210 2.79-5.33	Brass	.016 0.41	.670 17.02	X	—	X	42511-1
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.016 0.41	.670 17.02	X	—	X	42511-2
	C	.032 0.81	.110-.210 2.79-5.33	Brass	.016 0.41	.670 17.02	X	—	X	42742-1
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.016 0.41	.670 17.02	X	—	X	42742-2

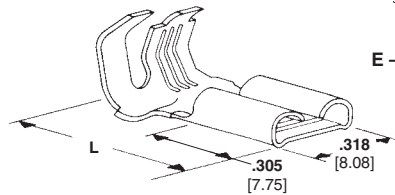
Note: All part numbers are RoHS compliant.

250 Series Tab-Lok Flags (Continued)

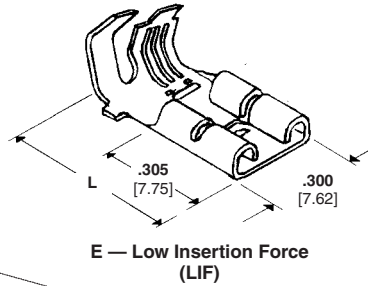
Flag Receptacles, Insulation Support (Continued)



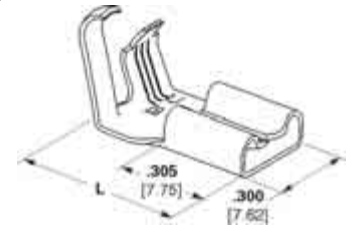
D — Moldable Line



F — Premier Line
for Hermetic Tabs



E — Low Insertion Force
(LIF)



G — Low Insertion Force
(LIF)

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	SA	SP	Terminal Part Number
18-12	D	.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	60645-1 ²
		.032 0.81	.110-.210 2.79-5.33	Brass	.016 0.41	.670 17.02	X	—	X	60641-1
		.032 0.81	.110-.210 2.79-5.33	Brass	.016 0.41	.670 17.02	X	—	X	63445-1
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.016 0.41	.670 17.02	X	—	X	63445-2
	E	.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.016 0.41	.670 17.02	X	—	X	63445-4 ²
		.032 0.81	.110-.210 2.79-5.33	Steel, Nickel Plated	.016 0.41	.670 17.02	—	X ¹	X ¹	63604-1 ²
		.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	63555-1 ²
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	63555-2 ²
	F	.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Tin Plated	.018 0.46	.670 17.02	X	—	X	41800 ⁴
		.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	41801 ³
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	41802 ³
		.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Silver Plated	.018 0.46	.670 17.02	X	—	X	42041 ⁴
	G	.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Tin Plated	.018 0.46	.670 17.02	X	—	X	60274-2 ^{4,5}
		.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Tin Plated	.018 0.46	.670 17.02	X	—	X	63651-1 ^{4,6}
		.032 0.81	.110-.210 2.79-5.33	Steel, Nickel Plated	.016 0.41	.670 17.02	—	X	—	1742543-1 ⁷
		.032 0.81	.110-.210 2.79-5.33	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	60851-1 ³
12-10	F	.032 0.81	.110-.210 2.79-5.33	Brass, Silver Plated	.018 0.46	.670 17.02	X	—	X	60851-2 ³
		.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	60851-4 ³
		.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Silver Plated	.018 0.46	.670 17.02	X	—	X	42563-6 ⁴
		.032 0.81	.110-.210 2.79-5.33	Steel, Nickel Plated	.018 0.46	.670 17.02	—	—	—	42563-9
		.032 0.81	.110-.210 2.79-5.33	Phos Bronze, Tin Plated	.018 0.46	.670 17.02	X	—	X	42563-8 ⁴
		.032 0.81	.110-.265 2.79-6.73	Brass	.018 0.46	.670 17.02	X	—	X	63617-1 ⁶
		.032 0.81	.110-.210 2.79-5.33	Brass	.018 0.46	.670 17.02	X	—	X	60851-1 ³
		.032 0.81	.110-.210 2.79-5.33	Brass, Silver Plated	.018 0.46	.670 17.02	X	—	X	60851-2 ³

¹ 18 AWG only.

² Stress relieved.

³ Recommended for external use only.

⁴ For internal or external use.

⁵ Left handed flag.

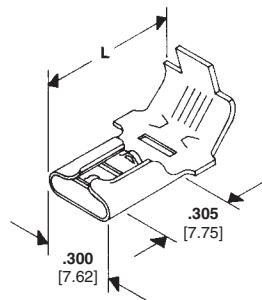
⁶ Non-stress relieved.

⁷ UL Recognized 14-18 AWG.

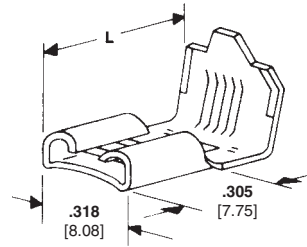
Note: All part numbers are RoHS compliant.

250 Series Tab-Lok Flags (Continued)

Flag Receptacles, Non-Insulation Support



A — Economy Line



B — Premier Line
for Hermetic Tabs

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RoHS	SP	Terminal Part Number
18-12	A	.032 0.81	—	Brass, Pre-Tin Plated	.016 0.41	.600 15.24	X	—	X	61177-2 ³
		.032 0.81	—	Brass, Pre-Tin Plated	.016 0.41	.600 15.24	X	—	X	61177-3 ⁴
		.032 0.81	—	Brass	.016 0.41	.600 15.24	X	—	X	62091-1 ⁵
		.032 0.81	—	Brass, Pre-Tin Plated	.016 0.41	.600 15.24	X	—	X	62091-2 ⁵
	B	.032 0.81	—	Brass, Tin Plated	.018 0.46	.610 15.49	X	—	X	62021-3 ⁵
		.032 0.81	—	Pho. Brz, Silver Plated	.018 0.46	.670 17.02	X	—	X	62056-1 ^{1,3}
		.032 0.81	—	Pho. Brz, Silver Plated	.018 0.46	.670 17.02	X	—	X	62056-2 ^{1,2,4}
		.032 0.81	—	Pho. Brz, Tin Plated	.018 0.46	.670 17.02	X	—	X	62056-6 ^{2,3}
		.032 0.81	—	Pho. Brz, Tin Plated	.018 0.46	.670 17.02	X	—	X	62056-7 ^{1,2,4}
		.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62056-3 ^{2,3}
		.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62056-4 ⁴
		.032 0.81	—	Brass	.016 0.41	.670 17.02	X	—	X	62011-1 ⁵
12-10 or (2) 14	A	.032 0.81	—	Brass, Pre-Tin Plated	.016 0.41	.670 17.02	X	—	X	62011-2 ⁵
		.032 0.81	—	Pho. Brz, Silver Plated	.018 0.46	.670 17.02	X	—	X	62057-1 ^{1,3}
	B	.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62057-3 ³
		.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62057-4 ⁴
		.032 0.81	—	Pho. Brz, Silver Plated	.018 0.46	.670 17.02	X	—	X	62057-7 ⁴
		.032 0.81	—	Pho. Brz, Silver Plated	.018 0.46	.670 17.02	X	—	X	62022-1 ⁵
		.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62022-2 ⁵
		.032 0.81	—	Brass, Tin Plated	.018 0.46	.670 17.02	X	—	X	62022-2 ⁵

¹ For internal or external use.

² Reverse reel.

³ Right handed flag.

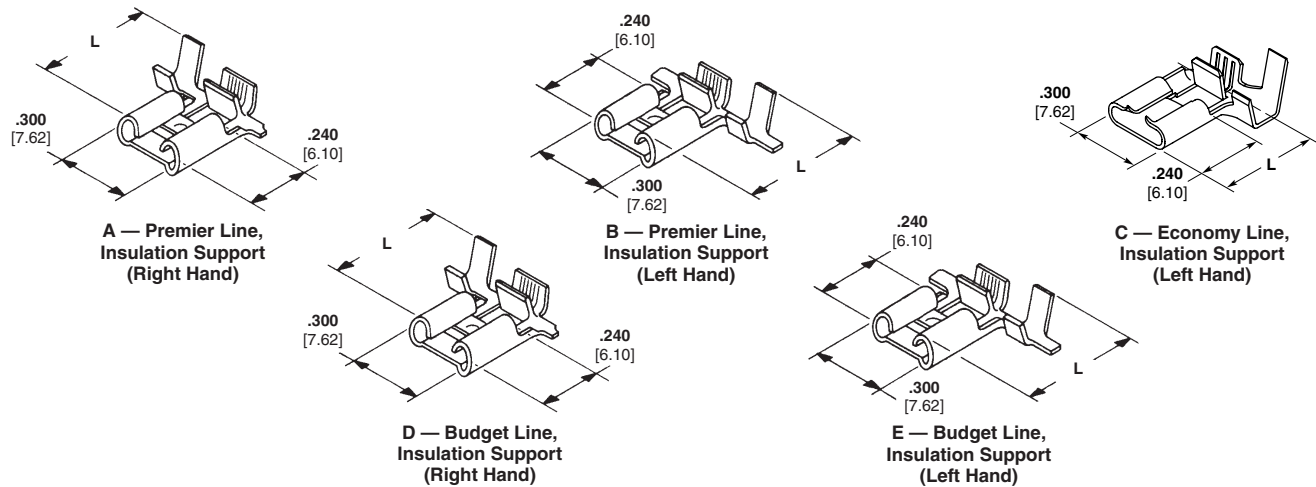
⁴ Left handed flag.

⁵ Right or left handed. Carrier out front for through splicing.

Note: All part numbers are RoHS compliant.

250 Series F-Crimp Flags

Flag Receptacles



Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RoHS	Terminal Part Number
22-18	B	.032 0.81	.060 -.110 1.52-2.79	Brass	.016 0.41	.540 13.72	X	—	62813-1
		.032 0.81	.060 -.110 1.52-2.79	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	62813-2
	A	.032 0.81	.060 -.110 1.52-2.79	Brass	.016 0.41	.540 13.72	X	—	62814-1
		.032 0.81	.060 -.110 1.52-2.79	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	62814-2
	D	.032 0.81	.060 -.110 1.52-2.79	Brass	.016 0.41	.540 13.72	X	—	62718-1
		.032 0.81	.060 -.110 1.52-2.79	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	62718-2
18-14 or (2)18	B	.032 0.81	.110-.200 2.79-5.08	Brass	.016 0.41	.540 13.72	X	—	63538-1 ¹
		.032 0.81	.110-.200 2.79-5.08	Steel, Nickel Plated	.016 0.41	.540 13.72	—	X	63963-1
18-14	A	.032 0.81	.110-.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63901-1 ¹
		.032 0.81	.110-.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63901-2 ¹
	B	.032 0.81	.110 -.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63011-1
		.032 0.81	.110 -.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63011-2
	A	.032 0.81	.110 -.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63012-1
		.032 0.81	.110 -.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63012-2
	E	.032 0.81	.110 -.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63009-1
		.032 0.81	.110 -.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63009-2
	D	.032 0.81	.110 -.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63010-1
		.032 0.81	.110 -.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63010-2
	C	.032 0.81	—	Brass	.016 0.41	.430 10.92	X	—	63508-1 ²
		.032 0.81	.110 -.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	63096-1
		.032 0.81	.110 -.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	63096-2
16-12	A	.032 0.81	.120 -.170 3.05-4.32	Brass, Tin Plated	.018 0.45	.700 17.78	X	—	1742718-1

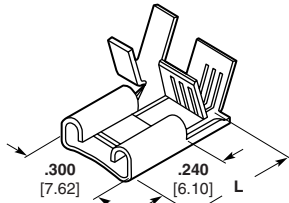
¹ Low Insertion Force.

² No insulation support.

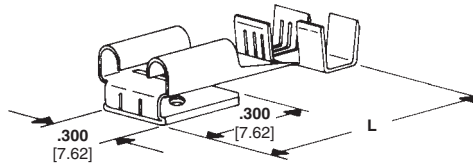
Note: All part numbers are RoHS compliant.

250 Series F-Crimp Flags (Continued)

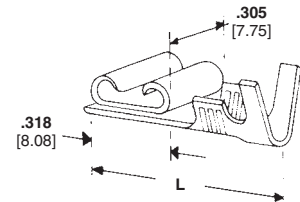
Flag Receptacles (Continued)



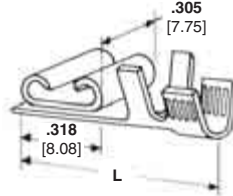
A — Center Strip, F-Crimp



B — Receptacle Tab Combination, F-Crimp



C — Reversible Flag, Straight End Feed



D — Reversible Flag for Hermetic Tabs, Side Feed



E — Reversible Flag for Hermetic Tabs, Side Feed

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)				Terminal Part Number
20-16	D	.032 0.81	.085-.150 2.16-3.81	Phos Brz, Tin Plated	.018 0.46	.640 16.26	X	—	X	63137-1
	A	.032 0.81	—	Brass	.016 0.41	.430 10.92	X	—	X	63315-1 ³
		.032 0.81	—	Brass, Tin Plated	.016 0.41	.430 10.92	X	—	X	63315-2 ³
		.032 0.81	.110-.160 2.79-4.06	Brass	.016 0.41	.540 13.72	X	—	X	63314-1
		.032 0.81	.110-.160 2.79-4.06	Brass, Tin Plated	.016 0.41	.540 13.72	X	—	X	63314-2
	B	.032 0.81	.120-.170 3.05-4.32	Brass, Tin Plated	.016 0.41	.630 16.00	X	—	X	151321-4
	C	.032 0.81	.090-.130 2.29-3.30	Brass	.016 0.41	.710 18.03	X	—	X	62048-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.016 0.41	.710 18.03	X	—	X	62048-2
		.032 0.81	.170-.220 4.32-5.59	Brass, Tin Plated	.016 0.41	.710 18.03	X	—	X	60764-2
	E	.032 0.81	—	Brass	.018 0.46	.640 16.26	—	—	—	63647-1 ^{1,3}
.032 0.81		—	Phos Brz, Tin Plated	.018 0.46	.640 16.26	—	—	—	63647-2 ^{1,3}	
.032 0.81		—	Brass, Tin Plated	.018 0.46	.640 16.26	—	—	—	63647-3 ^{1,3}	
16-12	D	.032 0.81	.130-.170 3.30-4.32	Phos Brz, Tin Plated	.018 0.46	.640 16.26	X	—	X	61188-1 ²
12-10	D	.032 0.81	.130-.170 3.30-4.32	Phos Brz, Tin Plated	.018 0.46	.640 16.26	X	—	X	61187-1 ²

¹ No Dimple.

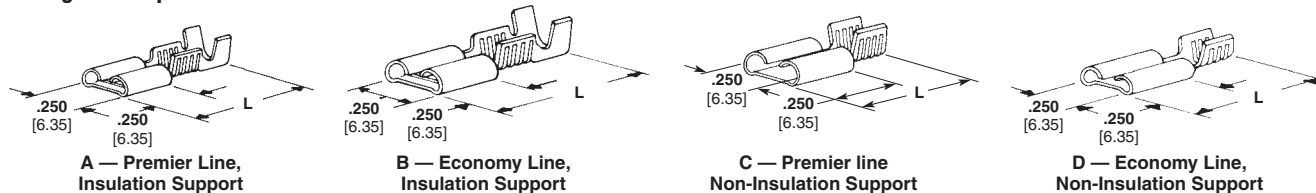
² Bends terminal 90°. For 180° bend use applicator 687616-2 with Press 694234-7.

³ No insulation support.

Note: All part numbers are RoHS compliant.

205 Series Receptacles

Straight Receptacles

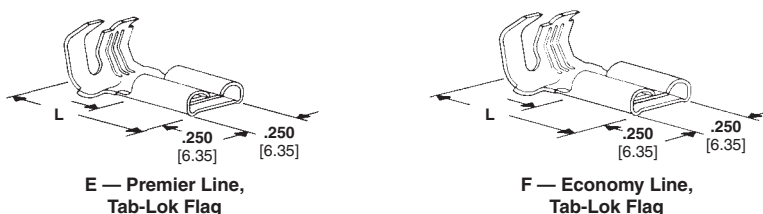


Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
26-22	A	.020 0.51	.050-.070 1.27-1.78	Brass, Tin Plated	.012 0.31	.620 15.75	X	—	X	60674-1 ¹
		.020 0.51	.085-.125 2.16-3.18	Brass	.012 0.31	.615 15.62	X	—	X	42198-1
	A	.020 0.51	.085-.125 2.16-3.18	Brass, Tin Plated	.012 0.31	.615 15.62	X	—	X	42198-2
		.032 0.81	.085-.125 2.16-3.18	Brass, Tin Plated	.012 0.31	.615 15.62	X	—	X	42299-2
22-18	B	.020 0.51	.085-.125 2.16-3.18	Brass	.012 0.31	.615 15.62	X	—	X	42710-1
		.020 0.51	.085-.125 2.16-3.18	Brass, Tin Plated	.012 0.31	.615 15.62	X	—	X	42710-2
	B	.032 0.81	.085-.125 2.16-3.18	Brass, Tin Plated	.012 0.31	.615 15.62	X	—	X	60904-2
		.020 0.51	—	Brass, Tin Plated	.012 0.31	.470 11.94	X	—	X	42197-2 ²
18-14	A	.032 0.81	.130-.180 3.30-4.57	Brass, Tin Plated	.016 0.41	.615 15.62	X	—	X	42233-2
		.032 0.81	.130-.180 3.30-4.57	Phos Brz, Tin Plated	.016 0.41	.615 15.62	X	—	X	42233-7
	B	.020 0.51	.130-.180 3.30-4.57	Brass, Tin Plated	.012 0.31	.615 15.62	X	—	X	42713-2
		.020 0.51	.130-.180 3.30-4.57	Brass, Tin Plated	.016 0.41	.615 15.62	X	—	X	42781-2
	C	.032 0.81	—	Phos Brz, Tin Plated	.016 0.41	.470 11.94	X	—	X	42239-4
		.020 0.51	—	Brass, Tin Plated	.012 0.31	.470 11.94	X	—	X	42712-2 ²
	D	.020 0.51	—	Brass, Tin Plated	.012 0.31	.470 11.94	X	—	X	42712-2 ²
		.020 0.51	—	Brass, Tin Plated	.012 0.31	.470 11.94	X	—	X	42712-2 ²

¹ UL listed and CSA certified for 22 AWG.

² Moldable.

Flag Receptacles



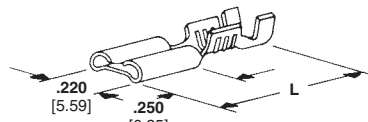
Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
20-16	E	.020 0.51	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	42199-1
		.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	42199-2
	E	.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.016 0.41	.530 13.46	X	—	X	62354-1
		.032 0.81	.110-.170 2.79-4.32	Brass, Tin Plated	.016 0.41	.530 13.46	X	—	X	42234-2
20-14	F	.032 0.81	.110-.170 2.79-4.32	Brass	.016 0.41	.530 13.46	X	—	X	60195-1 ¹
		.032 0.81	.110-.170 2.79-4.32	Brass, Tin Plated	.016 0.41	.530 13.46	X	—	X	60195-2 ¹

¹ Moldable.

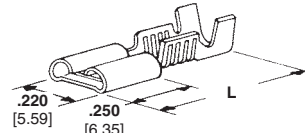
Note: All part numbers are RoHS compliant.

187 Series Receptacles

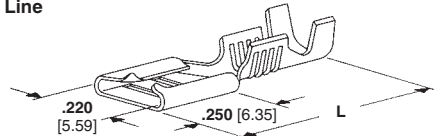
Straight Receptacles



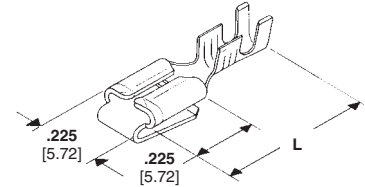
A — Premier Line



B — Budget Line



C — Economy Line


F — Commercial Line
Receptacle & Tab Combination

Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)		Terminal Part Number
24-20	A	.020 0.51	.040-.070 1.02-1.78	Brass, Tin Plated	.012 0.31	.590 14.99		60573-1
		.020 0.51	.040-.070 1.02-1.78	Brass	.012 0.31	.590 14.99	X ² — X ²	60573-2
		.020 0.51	.040-.070 1.02-1.78	Phos Brz, Tin Plated	.012 0.31	.590 14.99	X — X	62187-2
		.020 0.51	.060-.110 1.52-2.79	Brass, Tin Plated	.012 0.31	.585 14.86	X ² — X ²	62138-1
		.020 0.51	.060-.110 1.52-2.79	Brass	.012 0.31	.585 14.86	X ² — X ²	62138-2
		.021 0.53	.060-.110 1.52-2.79	Brass, Tin Plated	.012 0.31	.590 14.99	— — —	1217129-1
		.032 0.81	.040-.070 1.02-1.78	Brass, Tin Plated	.012 0.31	.590 14.99	X ² — X ²	62181-1
22-18	B	.032 0.81	.090-.150 2.29-3.81	Brass, Tin Plated	.012 0.31	.585 14.86	X — X	63931-1
	C	.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.590 14.99	X — X	63347-1
	F	.020 0.51	.060-.100 1.52-2.54	Brass, Tin Plated	.014 0.36	.615 15.62	X — X	63873-1 ⁵
		.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.615 15.62	X — X	1217084-1 ⁵
20-16	A	.015 0.38	—	Brass, Tin Plated	.012 0.31	.470 11.94	— — —	42374-2 ¹
		.015 0.38	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.590 14.99	— — —	42453-2
		.020 0.51	—	Brass, Tin Plated	.012 0.31	.470 11.94	X — X	42373-2 ¹
		.020 0.51	—	Steel, Nickel Plated	.012 0.31	.470 11.94	— X —	42373-3 ¹
		.020 0.51	.060-.110 1.52-2.79	Brass	.012 0.31	.585 14.86	X — X	62137-1
		.020 0.51	.060-.110 1.52-2.79	Brass, Tin Plated	.012 0.31	.585 14.86	X — X	62137-2
		.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.590 14.99	X — X	42452-1
		.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.590 14.99	X — X	42452-2
		.020 0.51	.090-.130 2.29-3.30	Phos Brz, Tin Plated	.012 0.31	.590 14.99	X — X	42452-5
		.020 0.51	.090-.130 2.29-3.30	Steel, Nickel Plated	.012 0.31	.590 14.99	— X X	60621-1
		.032 0.81	.090-.130 2.29-3.30	Steel, Nickel Plated	.012 0.31	.590 14.99	— X X	63850-1
		.032 0.81	.090-.130 2.29-3.30	Brass	.012 0.31	.585 14.86	X — X	61758-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.585 14.86	X — X	61758-2

¹ No Insulation support.

² UL listed and CSA certified for 22- 20 AWG.

³ Also capable of accepting (2) 20 AWG wires.

⁴ Stress relieved.

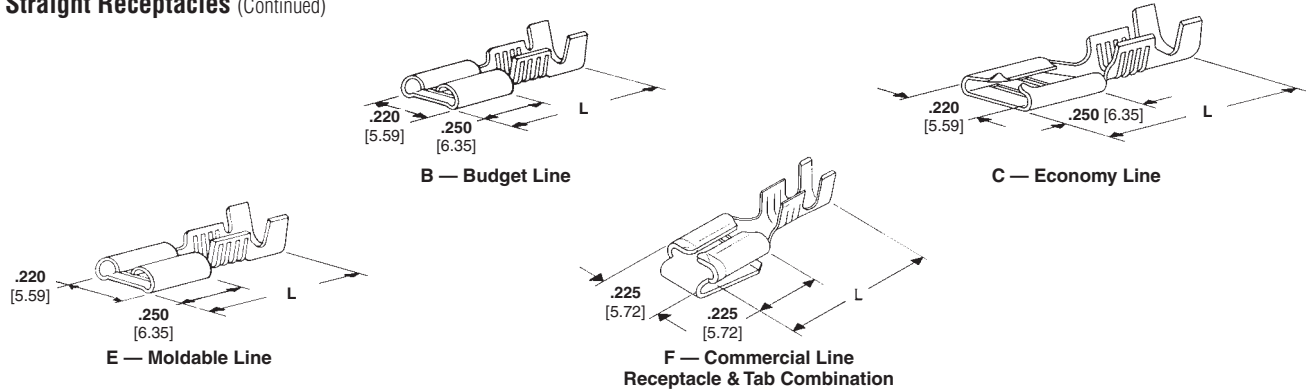
⁵ Tab stock thickness .020 [0.51].

Note: All part numbers are RoHS compliant.

187 Series Receptacles (Continued)

Straight Receptacles (Continued)

FASTON Receptacles



Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
20-16	B	.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.585 14.86	X	—	X	42617-1
		.020 0.51	.090-.130 2.29-3.30	Steel, Nickel Plated	.012 0.31	.585 14.86	—	X	X	63959-1
		.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.585 14.86	X	—	X	42617-2
		.032 0.81	—	Brass	.012 0.31	.475 12.07	X	—	X	63785-1 ¹
		.032 0.81	.090-.130 2.29-3.30	Brass	.012 0.31	.585 14.86	X	—	X	63477-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.585 14.86	X	—	X	63477-2
		.020 0.51	—	Brass	.012 0.31	.475 12.07	X	—	X	42799-1 ¹
		.020 0.51	—	Brass, Tin Plated	.012 0.31	.475 12.07	X	—	X	42799-2 ¹
	C	.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.590 14.99	X	—	X	42801-1
		.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.590 14.99	X	—	X	42801-2
		.020 0.51	.090-.130 2.29-3.30 or (2) 2.29	Brass	.012 0.31	.590 14.99	X	—	X	61892-1 ³
		.032 0.81	—	Brass, Tin Plated	.012 0.31	.475 12.07	X	—	X	61969-1 ¹
		.032 0.81	.090-.130 2.29-3.30	Brass	.012 0.31	.590 14.99	X	—	X	60196-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.590 14.99	X	—	X	60196-2
		.039 0.99	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.590 14.99	—	—	—	63751-1
		.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.585 14.86	X	—	X	60214-1
	E	.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.012 0.31	.585 14.86	X	—	X	60214-2
		.020 0.51	.060-.110 1.52-2.79	Brass, Tin Plated	.014 0.36	.615 15.62	X	—	X	62139-1 ⁵
	F	.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.615 15.62	X	—	X	62026-1 ⁵
		.020 0.51	.090-.130 2.29-3.30	Brass	.014 0.36	.615 15.62	X	—	X	62026-2 ⁵
		.032 0.81	.090-.130 2.29-3.30	Brass	.014 0.36	.615 15.62	X	—	X	63646-1 ⁵
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.615 15.62	X	—	X	63646-2 ⁵
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.615 15.62	X	—	X	63646-2 ⁵

¹ No Insulation support.

² UL listed and CSA certified for 22- 20 AWG.

³ Also capable of accepting (2) 20 AWG wires.

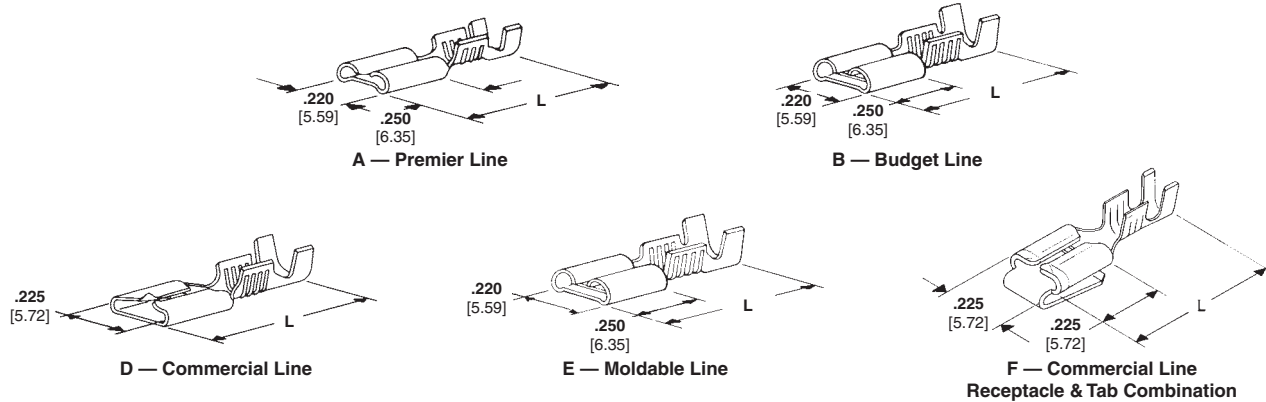
⁴ Stress relieved.

⁵ Tab stock thickness .020 [0.51].

Note: All part numbers are RoHS compliant.

187 Series Receptacles (Continued)

Straight Receptacles (Continued)



Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
18-16 or (2) 18	A	.020 0.51	.105-.210 2.67-5.33 or (2) .105 Max.	Brass, Tin Plated	.012 0.31	.590 14.99	X	—	X	60487-2
			.105-.210 2.67-5.33 or (2) .105 Max.	Brass	.012 0.31	.590 14.99	X	—	X	60487-1
		.032 0.81	.105-.210 2.67-5.33 or (2) .105 Max.	Brass, Tin Plated	.012 0.31	.590 14.99	X	—	X	61945-1
			.105-.210 2.67-5.33 or (2) .105 Max.	Steel, Nickel Plated	.012 0.31	.590 14.99	—	X	X	61945-2
	B	.032 0.81	.105-.210 2.67-5.33 or (2) .105 Max.	Brass	.012 0.31	.590 14.99	X	—	X	63769-1
	E	.020 0.51	.105-.210 2.67-5.33 or (2) .105 Max.	Brass	.012 0.31	.590 14.99	X	—	X	63470-1
18-14 or (2) 16	D	.020 0.51	.180-.230 4.57-5.84 or (2) .110 Max.	Brass	.014 0.36	.640 16.26	X	—	X	60742-1
			.180-.230 4.57-5.84 or (2) .110 Max.	Brass, Tin Plated	.014 0.36	.640 16.26	X	—	X	60742-2
		.025 0.64	.180-.230 4.57-5.84 or (2) .110 Max.	Brass, Tin Plated	.014 0.36	.640 16.26	X	—	X	63749-2 ⁴
			.180-.230 4.57-5.84 or (2) .110 Max.	Brass	.014 0.36	.640 16.26	—	—	—	63832-1
	A	.032 0.81	.180-.230 4.57-5.84 or (2) .110 Max.	Brass	.014 0.36	.640 16.26	X	—	X	63596-1
			.180-.230 4.57-5.84 or (2) .110 Max.	Brass, Pre-Tin	.014 0.36	.640 16.26	X	—	X	63596-2
18-14	A	.020 0.51	.110-.160 2.79-4.06	Brass, Tin Plated	.012 0.31	.590 14.99	X	—	X	1217149-1
		.020 0.51	.150-.190 3.81-4.83	Brass	.014 0.36	.640 16.26	X	—	X	62016-1
			.150-.190 3.81-4.83	Brass, Tin Plated	.014 0.36	.640 16.26	X	—	X	62016-2
	D	.032 0.81	.150-.190 3.81-4.83	Brass, Pre-Tin	.014 0.36	.640 16.26	X	—	X	63697-1
		.020 0.51	.110-.160 2.79-4.06	Brass, Tin Plated	.014 0.36	.615 15.62	—	—	—	1217151-1 ⁵
	F	.020 0.51	.110-.160 2.79-4.06	Brass, Tin Plated	.014 0.36	.615 15.62	—	—	—	1217151-1 ⁵

¹ No Insulation support.

² UL listed and CSA certified for 22- 20 AWG.

³ Also capable of accepting (2) 20 AWG wires.

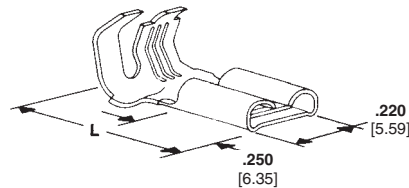
⁴ Stress relieved.

⁵ Tab stock thickness .020 [0.51].

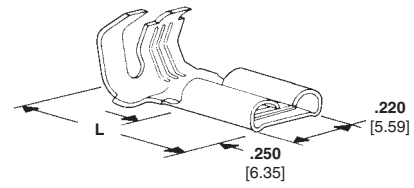
Note: All part numbers are RoHS compliant.

187 Series Tab-Lok Flags

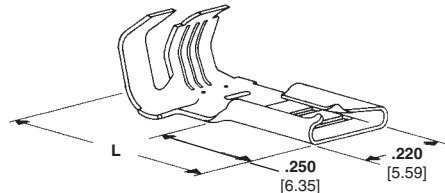
Flag Receptacles, Insulation Support



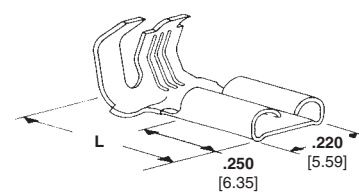
A — Premier Line



B — Budget Line



C — Economy Line



D — Moldable Line

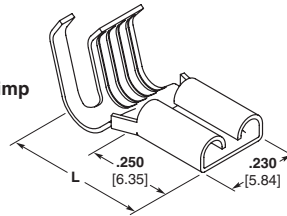
Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
20-16	A	.020 0.51	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	42486-1
		.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	42486-2
		.020 0.51	.110-.170 2.79-4.32	Steel, Nickel Plated	.012 0.31	.530 13.46	—	X	X	42486-3
		.020 0.51	.110-.170 2.79-4.32	Brass, Silver Plated	.012 0.31	.530 13.46	X	—	X	42486-4
		.032 0.81	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	62591-1
		.032 0.81	.110-.170 2.79-4.32	Steel, Nickel Plated	.012 0.31	.530 13.46	—	X	X	63696-1
	B	.020 0.51	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	42618-1
		.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	42618-2
		.020 0.51	.170-.225 4.32-5.72	Brass	.012 0.31	.575 14.61	X	—	X	62817-1
		.032 0.81	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	63748-1
	C	.020 0.51	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	42800-1
		.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	42800-2
		.032 0.81	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	60529-1
		.032 0.81	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	60529-2
	D	.020 0.51	.110-.170 2.79-4.32	Brass	.012 0.31	.530 13.46	X	—	X	61029-1
		.020 0.51	.110-.170 2.79-4.32	Brass, Tin Plated	.012 0.31	.530 13.46	X	—	X	61029-2
18-14 or (2) 18	A	.032 0.81	.110-.190 2.79-4.83 (2) .105 2.67 Max.	Brass, Tin Plated	.014 0.36	.530 14.36	X	—	X	1742422-1
	B	.032 0.81	.110-.190 2.79-4.83 (2) .105 2.67 Max.	Brass, Tin Plated	.014 0.36	.530 14.36	X	—	X	1217027-1

Note: All part numbers are RoHS compliant.

187 Series C-Crimp Flag Receptacles

C-Crimp Line

A — 187 Series C-Crimp Flag Receptacles

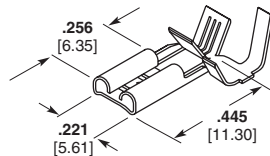


Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RoHS	SP	Terminal Part Number
20-16	A	.020 0.51	.090-.130 2.29-3.30	Brass	.014 0.36	.522 13.26	X	—	X	1217009-1
		.020 0.51	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.522 13.26	X	—	X	1217009-2
		.032 0.81	.090-.130 2.29-3.30	Brass	.014 0.36	.522 13.26	X	—	X	1217010-1
		.032 0.81	.090-.130 2.29-3.30	Brass, Tin Plated	.014 0.36	.522 13.26	X	—	X	1217010-2
18-14	A	.032 0.81	.100-.155 2.54-3.94	Brass	.016 0.41	.535 13.59	X ¹	—	X ¹	1217244-1
		.032 0.81	.100-.155 2.54-3.94	Brass, Tin Plated	.016 0.41	.535 13.59	X	—	X	1217244-2

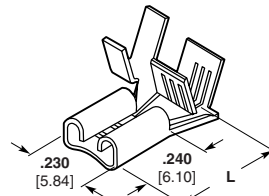
¹ 16 & 18 AWG only.

187 Series F-Crimp Flags

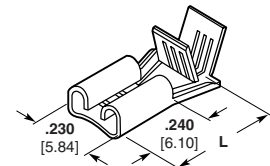
F-Crimp Line



A — End of Wire with
Insulation Support



B — Center Strip with
Insulation Support



C — Center Strip with
No Insulation Support

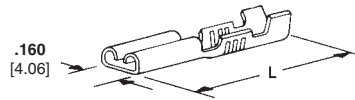
Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RoHS	SP	Terminal Part Number
22-18	A	.020 0.51	.060-.110 1.52-2.79	Brass	.012 0.31	.445 11.30	X	—	X	1742086-1
		.020 0.51	.060-.110 1.52-2.79	Brass, Tin Plated	.012 0.31	.445 11.30	X	—	X	1742086-2
		.032 0.81	.060-.110 1.52-2.79	Brass	.012 0.31	.445 11.30	X	—	X	1742087-1
		.032 0.81	.060-.110 1.52-2.79	Brass, Tin Plated	.012 0.31	.445 11.30	X	—	X	1742087-2
20-16	B	.020 0.51	.090-.130 2.29-3.30	Brass	.012 0.31	.596 15.14	—	—	—	626412-1
18-14	B	.020 0.51	.060-.150 1.52-3.81	Brass	.016 0.41	.430 10.92	X	—	X	63512-1
		.032 0.81	.060-.150 1.52-3.81	Brass	.016 0.41	.430 10.92	X	—	X	63316-1
		.032 0.81	.060-.150 1.52-3.81	Brass, Tin Plated	.016 0.41	.430 10.92	X	—	X	63316-2
	C	.032 0.81	.060-.150 1.52-3.81	Steel, Nickel Plated	.016 0.41	.430 10.92	—	X	X	63316-3
		.032 0.81	—	Brass	.016 0.41	.430 10.92	X	—	X	63317-1
18-14 or (2) 18	A	.020 0.51	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Brass	.012 0.31	.445 11.30	X ¹	—	X ¹	1742088-1
		.020 0.51	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Brass, Tin Plated	.012 0.31	.445 11.30	X ¹	—	X ¹	1742088-2
		.032 0.81	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Brass	.012 0.31	.445 11.30	X ¹	—	X ¹	1742089-1
		.032 0.81	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Brass, Tin Plated	.012 0.31	.445 11.30	X ¹	—	X ¹	1742089-2
18 or (2) 18	A	.020 0.51	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Steel, Nickel Plated	.012 0.31	.445 11.30	—	X ¹	—	1742312-1
		.032 0.81	.110-.150 or 2-110 2.79-3.81 or 2-2.79 max	Steel, Nickel Plated	.012 0.31	.445 11.30	—	X ¹	—	1742049-1

¹ UL/CSA Approved for 18 & 16 AWG only

Note: All part numbers are RoHS compliant.

125 Series Receptacles

Insulation Support

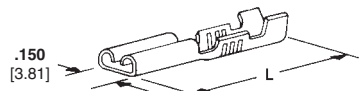


A- Receptacle with Insulation Support

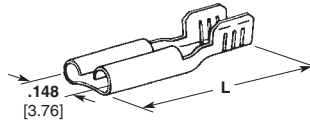
Wire Range AWG	Style	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
22-18	A	.020 0.51	.090-.110 2.29-2.79	Brass	.010 0.25	.635 16.13	—	—	—	63705-1

110 Series Receptacles

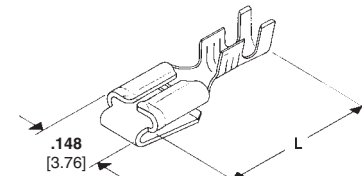
Straight Receptacles



A — FASTON Receptacles with Insulation Support



B — FASTON Receptacles with No Insulation Support



C — Commercial Line Receptacle and Tab Combination

Wire Range AWG	Style	Fits Tab Type ⁷	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	UL	UL	Terminal Part Number
26-22	B	—	.020 0.51	—	Brass, Tin Plated	.010 0.25	.327 8.31	—	—	—	63837-1
		—	.016 0.41	—	Brass	.010 0.25	.327 8.31	—	—	—	61818-1
24-22	A	1	.016 0.41	.040-.060 1.02-1.52	Brass, Pre-Tin	.010 0.25	.635 16.13	—	—	—	42415-1
		1	.020 0.51	.040-.060 1.02-1.52	Brass, Pre-Tin	.010 0.25	.635 16.13	X ¹	—	X	42067-1
		1	.020 0.51	.040-.060 1.02-1.52	Brass, Pre-Tin	.010 0.25	.510 12.95	X	—	X	60089-2
		1	.032 0.81	.040-.060 1.02-1.52	Brass, Pre-Tin	.010 0.25	.635 16.13	X ¹	—	X	63634-1
22-20	A	2	.020 0.51	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	42236-1
22-18	A	1	.012 0.31	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	—	—	—	60415-1
		1	.016 0.41	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	—	—	—	60118-1
		2	.016 0.41	.090-.130 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	—	—	—	62523-1
		1	.020 0.51	.060-.100 1.52-2.54	Brass	.010 0.25	.635 16.13	X	—	X	42068
		1	.020 0.51	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	42068-1
		1	.020 0.51	.090-.130 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	62094-1
		1	.020 0.51	.090-.130 1.52-2.54	Brass	.010 0.25	.635 16.13	X	—	X	62094-2
		2	.020 0.51	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	60729-1
		1	.025 0.51	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	—	—	—	61158-1
		1	.032 0.81	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	60197-1
		3	.032 0.81	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	60577-1
		1	.032 0.81	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	63954-1

¹ UL listed 22 AWG wire only.

² No Dimple.

⁴ Side feed.

³ Dimple at special location.

⁵ Tab Thickness .020 [0.51].

⁶ Tab Thickness .032 [0.81].

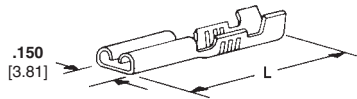
⁷ Stress relieved.

⁸ See page 28 for Mating Tab Designs.

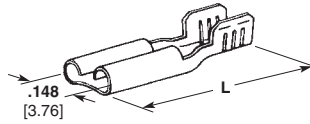
Note: All part numbers are RoHS compliant.

110 Series Receptacles (Continued)

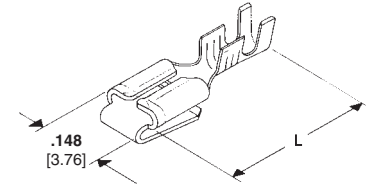
Straight Receptacles (Continued)



A — FASTON Receptacles with Insulation Support



B — FASTON Receptacles with No Insulation Support



C — Commercial Line Receptacle and Tab Combination

Wire Range AWG	Style	Fits Tab Type ^a	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)	UL	RA	SP	Terminal Part Number
22-18	C	1	.018 0.46	.080-.120 2.03-3.05	Brass	.010 0.25	.630 16.00	—	—	—	63242-1 ⁵
		1	.020 0.51	.060-.100 1.52-2.54	Brass	.010 0.25	.630 16.00	X	—	X	62003-1 ⁵
		1	.020 0.51	.060-.100 1.52-2.54	Brass, Tin Plated	.010 0.25	.630 16.00	X	—	X	62003-2 ⁵
		1	.032 0.81	.080-.120 2.03-3.05	Brass, Tin Plated	.010 0.25	.630 16.00	X	—	X	63961-1 ⁵
		1	.032 0.81	.080-.120 2.03-3.05	Brass, Tin Plated	.010 0.25	.630 16.00	—	—	—	1217145-1 ⁶
20-18 or (2) 20	B	1	.016 0.41	—	Brass, Pre-Tin	.010 0.25	.475 12.07	—	—	—	42398-1
		1	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.475 12.07	X	—	X	42399-1
		1	.032 0.81	—	Brass, Pre-Tin	.010 0.25	.475 12.07	X	—	X	60601-1
20-18	B	—	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.380 9.65	X	—	X	62850-1 ²
		—	.020 0.51	—	Brass, Tin Plated	.010 0.25	.380 9.65	X	—	X	62850-2 ²
20-16	A	1	.010 0.25	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.625 15.88	—	—	—	62968-1
		1	.020 0.51	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	61408-1
		1	.020 0.51	.060-.100 1.52-2.54	Steel, Nickel Plated	.010 0.25	.635 16.13	—	X	X	1217102-1
		1	.020 0.51	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	61400-1
		1	.020 0.51	.150-.170 3.81-4.32	Brass, Tin Plated	.010 0.25	.635 16.13	X	—	X	62191-1
		1	.032 0.81	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	62050-1
		1	.032 0.81	.120-.140 3.05-3.56	Steel, Nickel Plated	.010 0.25	.635 16.13	—	X	X	62050-2
		2	.032 0.81	.120-.140 3.05-3.56	Brass, Pre-Tin	.010 0.25	.635 16.13	X	—	X	63703-1
	B	1	.016 0.41	—	Brass, Pre-Tin	.010 0.25	.537 13.64	—	—	—	61457-1
		1	.032 0.81	—	Brass, Pre-Tin	.010 0.25	.415 10.54	X	—	X	63560-1
18-14	A	—	.032 0.81	.110-.190 2.79-4.83	Brass, Tin Plated	.012 0.30	.625 15.88	—	—	—	63093-1 ^{2,7}
	B	—	.020 0.51	—	Brass, Tin Plated	.010 0.25	.475 12.07	X	—	X	62474-1 ^{3,4}
		1	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.475 12.07	X	—	X	62852-1 ⁴

¹ UL listed 22 AWG wire only.
² No Dimple.

⁴ Side feed.
³ Dimple at special location.

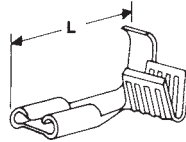
⁵ Tab Thickness .020 [0.51].
⁶ Tab Thickness .032 [0.81].

⁷ Stress relieved.
⁸ See page 28 for Mating Tab Designs.

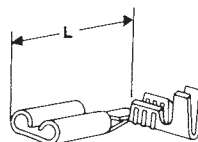
Note: All part numbers are RoHS compliant.

110 Series F-Crimp Flags

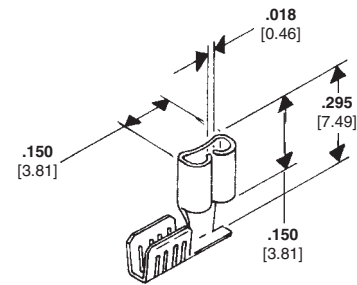
Flag Receptacles



A — FASTON Flag Receptacle with Insulation Support



B — FASTON Flag Receptacle with Insulation Support



C — FASTON Flag Receptacle with No Insulation Support

Wire Range AWG	Style	Fits Tab Type ²	Tab Fit	Insulation Diameter	Material and Finish	Stock Thickness	L (Overall Length)				Terminal Part Number
26-22	B	*	.020 0.51	.040-.080 1.02-2.03	Brass, Pre-Tin	.010 0.25	.430 10.92	X ³	—	X ³	1742219-1
		*	.016 0.41	.065-.100 1.65-2.54	Brass, Pre-Tin	.010 0.25	.460 11.68	—	—	—	61459-1
		*	.020 0.51	.065-.100 1.65-2.54	Brass, Pre-Tin	.010 0.25	.460 11.68	X	—	X	61372-1
		*	.020 0.51	.065-.100 1.65-2.54	Brass, Tin Plated	.012 0.30	.460 11.68	X	—	X	60605-1
		*	.025 0.64	.065-.100 1.65-2.54	Brass, Pre-Tin	.010 0.25	.460 11.68	—	—	—	61530-1
		*	.032 0.81	.065-.100 1.65-2.54	Brass, Pre-Tin	.010 0.25	.460 11.68	X	—	X	61971-1
	A	*	.020 0.51	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.430 10.92	X	—	X	61481-1
		*	.020 0.51	.060-.100 1.52-2.54	Brass, Tin Plated	.012 0.30	.430 10.92	X	—	X	61070-1
		*	.020 0.51	.060-.100 1.52-2.54	Brass	.012 0.30	.430 10.92	X	—	X	61070-2
		*	.025 0.64	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.430 10.92	—	—	—	1217138-1
		*	.032 0.81	.060-.100 1.52-2.54	Brass, Pre-Tin	.010 0.25	.430 10.92	X	—	X	62336-1
		*	.032 0.81	.060-.100 1.52-2.54	Steel, Nickel Plated	.010 0.25	.430 10.92	—	—	—	62336-2
22-18	B	—	.015 0.38	—	Brass, Pre-Tin	.010 0.25	.295 7.49	—	—	—	63990-1
		—	.020 0.51	—	Brass	.012 0.30	.295 7.49	X ¹	—	X	60991-1
		—	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.295 7.49	X ¹	—	X	61549-1
		1	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.295 7.49	X ¹	—	X	62321-1
		—	.020 0.51	—	Brass, Pre-Tin	.010 0.25	.295 7.49	X ¹	—	X	61549-1

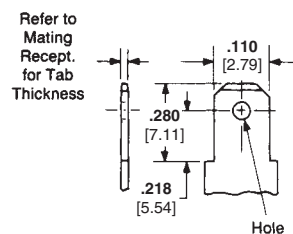
* No Tab Type

¹ UL listed and CSA certified for 22-18 AWG.

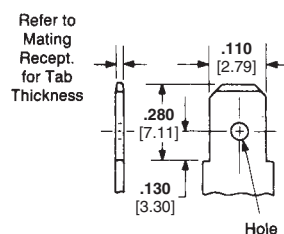
² See below for Mating Tab Designs.

³ UL listed and CSA certified for 22 AWG wire only.

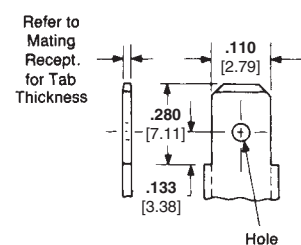
Mating 110 Series Tab Designs



**Mating 110 Series Tab
Dimension Type 1**



**Mating 110 Series Tab
Dimensions Type 2**



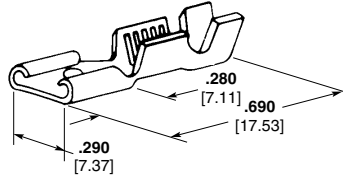
**Mating 110 Series Tab
Dimensions Type 3**

Note: All part numbers are RoHS compliant.

AMPLIVAR Receptacles

250 Series FASTON Receptacles

Stock Thickness — .016 [0.41]



Magnet Wire Range		Insulation Diameter	Mating Tab Thk.	Material	Material Thickness	Part Number
AWG	mm ²					
24-19	0.23-0.70	.050-.080 1.30-2.00	.020 0.51	Brass Tin Plated Brass	.016 0.41	63623-1 ¹ 63623-2 ¹
23-19 or (2) 24 or (2) 26	0.29-0.70 or (2) 0.23 or (2) 0.15	.050-.100 1.30-2.55	.025 0.64	Brass	.016 0.41	62069-1 ³
20-16 or (2) 23 or (2) 20	0.57-1.39 or (2) 0.29 or (2) 0.57	.100-.140 2.55-3.55 or (2) .060 1.52 Max.	.032 [0.81]	Brass Tin Plated Brass	.016 0.41	60384-1 60384-2
20-16	0.57-1.39	.100-.140 2.55-3.55	.020 0.51	Brass	.016 0.41	62080-1
18-14 or (2) 17	0.88-2.19 or (2) 1.11	.120-.170 3.05-4.30 or (2) .060 1.52 Max.	.032 [0.81]	Tin Plated Brass	.016 0.41	60385-2
18-14 or (2) 19	0.88-2.19 or (2) 0.70	.120-.170 3.05-4.30	.020 0.51	Brass	.016 0.41	63622-1 ¹
18-14 or (2) 19	0.88-2.19 or (2) 0.70	.120-.170 3.05-4.30	.032 0.81	Brass	.016 0.41	1217835-1

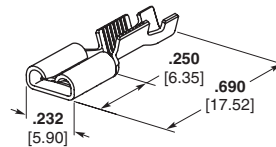
¹ Low insertion force

² Quick-Change Applicator for AMP-O-LECTRIC Machine 565435-5.

³ Mates to .025 [0.64] thick tab.

187 Series FASTON Receptacle

Stock Thickness — .016 [0.41]



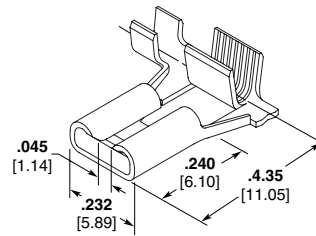
Magnet Wire Range		Insulation Diameter	Mating Tab Thk.	Material	Material Thickness	Part Number
AWG	mm ²					
20-16	0.57-1.39	.050-.090 1.27-2.29	.032 0.81	Tin Plated Phosphor Bronze	.016 0.41	1742678-2

Note: All part numbers are RoHS compliant.

AMPLIVAR Receptacles (Continued)

187 Series FASTON Flag Receptacles

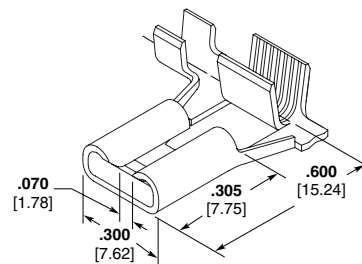
Stock Thickness — .016 [0.41]



Magnet Wire Range		Insulation Diameter	Mating Tab Thk.	Material	Material Thickness	Part Number
CMA	mm ²					
500-1200	0.25-0.61	.020-.040 0.51-1.02	.020 0.51	Tin Plated Brass	.016 0.41	63942-1
24-20 AWG	0.2-0.5	.020-.040 0.51-1.02	.032 0.81	Tin Plated Brass	.016 0.41	1217624-1
20-16 AWG	0.57-1.39	.050-.090 1.27-2.29	.032 0.81	Tin Plated Phosphor Bronze	.016 0.41	1742679-2
1200-2350	0.61-1.19	.020-.040 0.51-1.02	.020 0.51	Tin Plated Brass	.016 0.41	63941-1
2000-4000	1.01-2.03	.020-.040 0.51-1.02	.032 0.81	Tin Plated Brass	.016 0.41	1217955-1
2000-4050	1.01-2.05	.020-.040 0.51-1.02	.020 0.51	Tin Plated Brass	.016 0.41	63940-1
2000-4050	1.01-2.05	.020-.040 0.51-1.02	.032 0.81	Tin Plated Brass	.016 0.41	1217417-1
3000-6000	1.52-3.04	.020-.040 0.51-1.02	.020 0.51	Tin Plated Brass	.016 0.41	1217899-1

250 Series FASTON Flag Receptacles

Stock Thickness — .018 [0.45]



Magnet Wire Range		Insulation Diameter	Mating Tab Thk.	Material	Material Thickness	Part Number
CMA	mm ²					
16-12	1.39-3.47	.120-.170 3.05-4.32	.032 0.81	Tin Plated Phos Bronze	.018 0.45	63944-1

Note: All part numbers are RoHS compliant.

Miscellaneous Tab Receptacles

Tab Receptacles



Wire Range		Type	Insul. Dia. Range	Stock Thk.	Material and Finish	Fits Tab	Dimensions			Part No.
AWG	mm ²						E	L	W	
26-22	0.12-0.4	A	.035-.065 0.89-1.65	.010 .025	Pre-Tin Brass	.031 x .093 0.79 x 2.36	.190 4.83	.475 12.06	.120 3.05	61813-1 ⁵
24-20	0.2-0.6	A	.040-.080 1.02-2.03	.010 0.25	Tin Plated Brass	.031 x .062 0.79 x 1.57	.187 4.75	.462 11.73	.090 2.29	60900-1 ¹
		B	—	.010 0.25	Tin Plated Brass	.015 x .050 0.38 x 1.27	.145 3.68	.310 7.87	.070 1.78	60900-4 ²
22-18	0.3-0.9	A	.050-.085 1.27-2.16	.010 0.25	Pre-Tin Brass	.010 x .093 0.25 x 2.36	.190 4.83	.480 12.19	.120 3.05	62352-1
20-18	0.5-0.9	A	.080-.120 2.03-3.05	.010 0.25	Pre-Tin Brass	.032 x .103 0.81 x 2.62	.200 5.08	.480 12.19	.126 3.2	63391-1 ^{3,4}
					Pre-Tin Brass	.020 x .103 0.51 x 2.62	.200 5.08	.480 12.19	.126 3.2	63391-2 ⁴
										60252-1 ⁶
										60432-1 ⁶

¹ Available in loose piece form, order Part Number 61454-1.

² Reverse reel of 60900-1.

³ Loose piece form of Part Number 63391-2.

⁴ Mechanically compliant base.

⁵ No dimple.

⁶ Dimple.

Note: All part numbers are RoHS compliant.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9