

Complete Guide to Switchcraft Plugs and Jacks

Mating Jacks

Engineering Design Guide Fourth Edition Page Number	Part Number - Plug	Conductors	Description/Terminal	Handles	Typical Mating Jack	Notes	Max Cable OD
145	240	2	Screw	Molded black plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Black Plastic w/Screw Terminals	7.52mm
145	C240	2	Screw with Cable Clamp	Molded black plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Black Plastic w/Screw Terminals	7.54mm
145	245	2	Screw	Molded red plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Red Plastic w/Screw Terminals	7.54mm
145	C245	2	Screw with Cable Clamp	Molded red plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Red Plastic w/Screw Terminals	7.54mm
145	250	2	Solder Lug & Cable Clamp	Molded black plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Black Plastic w/Solder Lug & Cable Clamp	7.54mm
145	255	2	Solder Lug & Cable Clamp	Molded red plastic	11	1/4" Mono 2 Conductor Cable Mount Plug, Red Plastic Handle w/Solder Lug & Cable Clamp	7.54mm
145	270	2	Screw	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	1/4" Mono 2 Conductor Cable Mount Plug, Nickel Metal Handle w/Screw Terminals (No Cable Clamp)	7.52mm
145	C270	2	Screw with Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	1/4" Mono 2 Conductor Cable Mount Plug, Nickel Metal Handle w/Screw Terminals & Cable Clamp	7.52mm
145	280	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	1/4" Mono 2 Conductor Cable Mount Plug, Nickel Metal Handle w/Solder Lugs & Cable Clamp	7.54mm
145	281	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	Same as Switchcraft# 280 except unassembled	7.54mm
145	285	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	Same as Switchcraft# 280 except w/Larger Cable clamp & unassembled	7.54mm

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145	288	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	1/4" Mono 2 Conductor Cable Mount Plug, Nickel Metal Handle w/Solder Lugs & Cable Clamp (wide insulator between tip and sleeve allows use of two conductor plug in 3 conductor jack without shorting)	7.54mm
145	285L	2		Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11	Same as Switchcraft# 280 except w/Larger Cable clamp, .375" Rear Hole in Handle and Unassembled	9.53mm
145	2P1298	2	Solder Lug & Cable Clamp	Without handle	11		N/A
145	2P1495	2	Screw	Without handle	11		N/A
146	570	2	Screw terminals. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.52mm
146	270	2	Screw terminals. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.52mm
146	580	2	Solder lug & cable clamp. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	280	2	Solder lug & cable clamp. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	581	2	Solder lug & cable clamp. Shielded handle. Unassembled	nickel-plated zinc (tubular insulator inside handle). Logo handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	281	2	Solder lug & cable clamp. Shielded handle. Unassembled	nickel-plated zinc (tubular insulator inside handle). Plain handle.	11	Plugs have 1/4" finger diameter unless otherwise specified. Same as Switchcraft# 280 except unassembled	7.54mm
146	585	2	Solder lug & cable clamp. Shielded handle. Unassembled. Larger cable clamp accommodates larger cables.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	11	Plugs have 1/4" finger diameter unless otherwise specified. Same as Switchcraft# 580 except w/Larger Cable clamp & unassembled	7.54mm
146	285	2	Solder lug & cable clamp. Shielded handle. Unassembled. Larger cable clamp accommodates larger cables.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	11	Plugs have 1/4" finger diameter unless otherwise specified. Same as Switchcraft# 280 except unassembled	7.54mm

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146	588	2	Solder lug & cable clamp. Shielded handle. Wide insulator between tip and sleeve makes possible use as a 2-conductor plug in 3-conductor jack without shorting.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	288	2	Solder lug & cable clamp. Shielded handle. Wide insulator between tip and sleeve makes possible use as a 2-conductor plug in 3-conductor jack without shorting.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
148	172	2	Screw. (Replacement Screw Part No. P-1011-3) 2 Required.	Shielded - machined Nickel-plated copper alloy. Tubular insulator inside handle.	11		6.35mm
148	181	2	Solder Lug & Cable Clamp	Shielded - machined Nickel-plated copper alloy. Tubular insulator inside handle.	11		6.35mm
148	182	2	Solder Lug & Cable Clamp	Shielded - machined Nickel-plated copper alloy. Tubular insulator inside handle.	11		6.35mm
148	350	2	Solder Lug.	Molded black plastic	11		7.54mm
148	2P-1216	2	Solder Lug.		11		N/A
148	380	2	Solder Lug.	Shielded: Nickel-plated copper alloy.	11	1/4" Mono 2 Conductor Cable Mount Plug, 1" Long Nickel Metal Handle w/Solder Lugs (No Cable Clamp)	7.54mm
152	173	2		Molded black plastic	11	Flex Relief: U-Clamp	7.11mm
152	174S	2		Copper Alloy	11	Flex Relief: Spring	7.11mm
152	175	2		Copper Alloy	11	Flex Relief: None	7.11mm
152	176S	2		Molded black plastic	11	Flex Relief: Spring	7.11mm
152	177S	2		Molded red plastic	11	Flex Relief: Spring	7.11mm
152	178	2		Molded black plastic	11	Flex Relief: None	7.11mm
152	179	2		Molded red plastic	11	Flex Relief: None	7.11mm
153	228	2	Solder lug	Shielded. Steel, nickel-plated	11		5.33-6.35mm
153	220	2	Screw	Molded black plastic	11		7.14mm
153	225	2	Screw	Molded red plastic	11		7.14mm
153	227	2	Solder lug	Molded black plastic	11		5.33-6.35mm
153	229	2	Solder lug	Molded red plastic	11		5.33-6.35mm
153	2P1509	2	Screw	Less handle	11		N/A

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155	133	3	Solder Lug & Cable Clamp	Nickel-plated copper alloy.	298	Sleeve terminal has cable clamp. Similar to Switchcraft Number 131 Extension-Jax	7.54mm
142	820	2	Screw	Molded black plastic	430		6.35mm
138	430	2	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black.	820		6.35mm
147	40	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Molded black plastic	11 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	7.14mm
147	70	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	9.65mm
147	160	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	7.14mm
147	2P1251	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Without handle	11 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	N/A
147	170	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	6.35mm
147	184	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11 or Z15J	1/4" Mono 2 Conductor Cable Mount - Solder Lugs, Large .380" Hole	9.65mm
147	184L	2	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	11 or Z15J	1/4" Mono 2 Conductor Cable Mount - Solder Lugs, Large .451" Hole	11.51mm
149	187		Solder Lug & Cable Clamp	Die-cast zinc. Satin nickel finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .3 to .33 (regular).	7.62-8.38mm
149	187B		Solder Lug & Cable Clamp	Die-cast zinc. Black finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .3 to .33 (regular).	7.62-8.38mm
149	187L		Solder Lug & Cable Clamp	Die-cast zinc. Satin nickel finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .33 to .355 (large)	8.38-9.02mm

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149	187BL		Solder Lug & Cable Clamp	Die-cast zinc. Black finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .33 to .355 (large)	8.38-9.02mm
149	187D		Solder Lug & Cable Clamp	Die-cast zinc. Satin nickel finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .2 to .30 (small)	5.08-7.62mm
149	187BD		Solder Lug & Cable Clamp	Die-cast zinc. Black finish.	11 or Z15J	Cable Relief Bushing diameter. (Inch) .2 to .30 (small)	5.08-7.63mm
154	226	2	1/4" right-angle commercial plug	Nickel-plated copper alloy.	11, 12A, 111, 112A		7.54mm
147	182QB	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	12 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	6.35mm
155	282	2	Solder Lug & Cable Clamp	Nickel-plated copper alloy.	12A	Similar to Switchcraft Number 297 Littel-Plug except with couplong ring.	6.7mm
145	260	3	Screw	Molded black plastic	12B	1/4" Stereo 3 Conductor Cable Mount Plug, Black Plastic w/Screw Terminals (No Cable Clamp)	7.54mm
145	267	3	Solder Lug & Cable Clamp	Molded black plastic	12B		7.54mm
145	269	3	Solder Lug & Cable Clamp	Molded red plastic	12B		7.54mm
145	290	3	Screw	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	12B		7.54mm
145	297	3	Solder Lug & Cable Clamp	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	12B		7.54mm
145	2P1248	3	Solder Lug & Cable Clamp	Without handle	12B		N/A
146	590	3	Screw terminals. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	12B	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	290	3	Screw terminals. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	12B	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	597	3	Solder lug & cable clamp. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	12B	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	297	3	Solder lug & cable clamp. Shielded handle.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	12B	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
151	60	3	Solder lug	Molded black plastic	12B		7.14mm
151	90	3	Solder lug	Shielded	12B		9.53mm
151	190	3	Solder lug	Shielded	12B		9.65mm

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151	190A	3	Solder lug	Shielded	12B		6.35mm
151	190B	3	Solder lug	Shielded	12B		6.35mm
151	190BL	3	Solder lug	Shielded	12B		6.35mm
153	238	3	Solder lug	Shielded. Steel, nickel-plated	12B		5.33-6.15mm
153	230	3	Screw	Molded black plastic	12B		7.14mm
153	235	3	Screw	Molded red plastic	12B		7.14mm
153	237	3	Solder	Molded black plastic	12B		6.35mm
153	239	3	Solder	Molded red plastic	12B		6.35mm
146	598	3	Solder lug & cable clamp. Shielded handle. Locking feature.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	12B, 133	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
155	298	3	Solder Lug & Cable Clamp	Nickel-plated copper alloy.	12B, 133	Similar to Switchcraft Number 297 Littel-Plug except with couplong ring.	7.54mm
146	298	3	Solder lug & cable clamp. Shielded handle. Locking feature.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	12B, 134	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
154	236	3	1/4" right-angle commercial plug	Nickel-plated copper alloy.	12B, 13B, 112B, 113B		7.54mm
147	182QD	2	Screw. (Replacement Screw Part No. P10013) 2 Required.	Shielded - machined nickel-plated copper alloy. Tubular insulator inside handle.	13 or Z15J	General purpose plug fits all standard jacks. Available in both 2- and 3-conductor types.	6.35mm
156	35HDNN		Plug Finger: Nickel	Nickel.	35RS Series. 35P		7.37mm
156	35HDNNS		Plug Finger: Nickel	Nickel.	35RS Series. 35P	0.175"handle opening	4.45mm
156	35HDBN		Plug Finger: Nickel	Black plastic.	35RS Series. 35P		7.37mm
156	35HDBNS		Plug Finger: Nickel	Black plastic.	35RS Series. 35P	0.175"handle opening	4.45mm
156	35HDNAU		Plug Finger: Gold	Nickel.	35RS Series. 35P		7.37mm
156	35HDNAUS		Plug Finger: Gold	Nickel.	35RS Series. 35P	0.175"handle opening	4.45mm
156	35HDBAU		Plug Finger: Gold	Black plastic.	35RS Series. 35P		7.37mm
156	35HDBAUS		Plug Finger: Gold	Black plastic.	35RS Series. 35P	0.175"handle opening	4.45mm
156	35HDRANN		Plug Finger: Nickel	Nickel.	35RS Series. 35P	Right angle	7.37mm
156	35HDRABAU		Plug Finger: Gold	Black plastic.	35RS Series. 35P	Right angle	7.37mm
156	35HDRAAU		Plug Finger: Gold	Nickel.	35RS Series. 35P	Right angle	7.37mm
157	740	2	Screw	Molded black plastic	41, 125, 42A, 43A, 142A, PC142A		9.65mm

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157	745	2	Screw	Molded red plastic	41, 125, 42A, 43A, 142A, PC142A		9.65mm
157	750	2	Solder Lug & Cable Clamp	Molded black plastic	41, 125, 42A, 43A, 142A, PC142A		9.65mm
157	755	2	Solder Lug & Cable Clamp	Molded red plastic	41, 125, 42A, 43A, 142A, PC142A		9.65mm
157	2P1384	2	Solder Lug & Cable Clamp	Less handle	41, 125, 42A, 43A, 142A, PC142A		N/A
157	770	2	Screw	Shielded	41, 125, 42A, 43A, 142A, PC142A		9.65mm
157	780	2	Solder Lug & Cable Clamp	Shielded	41, 125, 42A, 43A, 142A, PC142A		9.65mm
138	420	2	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black.	MT331	Similar to WECO-347D	
138	425	2	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black.	MT331		
138	440	2	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black	MT331		7.14mm
138	445	2	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black/Red.	MT331		7.14mm
141	415	3	Screw	Thermoplastic on 411, 412, 414 and 415, per MIL-P-22985, Type II, Class 4. Molded black thermoset plastic per MIL-M-14F.	MT332B & 1, MT342B	6-circuit plug, 2 electrically-independent 3 conductor fingers, one .25" finger, one .206" finger. Provision for internatl cord clamp (not included)	7.9mm
138	482	3	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black/Red.	MT334B		6.71mm
138	483	3	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black.	MT334B	Similar to WECO-309.	7.65mm

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138	480 (.206")	3	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1. Black.	MT342B		7.54mm
138	484 (.206")	3	Tinned cooper alloy	Thermoplastic, per MIL-P-22985, Type II, Class 1.	MT342B		6.813mm
141	411	2	Screw	Thermoplastic on 411, 412, 414 and 415, per MIL-P-22985, Type II, Class 4. Molded black thermoset plastic per MIL-M-14F.	MT388	Provsion for internal cord clamp (not included)	7.92mm
141	412	2	Screw	Thermoplastic on 411, 412, 414 and 415, per MIL-P-22985, Type II, Class 4. Molded black thermoset plastic per MIL-M-14F.	MT388	MILPJ289. Similar to WEC0289B	7.1mm
141	414	3	Screw	Thermoplastic on 411, 412, 414 and 415, per MIL-P-22985, Type II, Class 4. Molded black thermoset plastic per MIL-M-14F.	MT389	6-circuit plug, 2 electrically-independent 3 conductor fingers, .25" fingers. Provsion for internatl cord clamp (not included). Similar to WEC0338A. 425A-3	7.9mm
146	S580	2	Solder lug & cable clamp. Shielded handle. Plug finger has .206" diameter.	nickel-plated zinc (tubular insulator inside handle). Logo handle.	S11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
146	S280	2	Solder lug & cable clamp. Shielded handle. Plug finger has .206" diameter.	nickel-plated zinc (tubular insulator inside handle). Plain handle.	S11	Plugs have 1/4" finger diameter unless otherwise specified.	7.54mm
151	S250	2	Solder Lug & Cable Clamp	Molded black plastic	S11		7.54mm
151	S280	2	Solder Lug & Cable Clamp	Shielded	S11		7.54mm
151	S260	3	Screw. (Replacement Screw Part No. P10292) 2 Required.	Molded black plastic	S12B		7.52mm
151	S267	3	Solder Lug & Cable Clamp	Molded black plastic	S12B		7.54mm
153	S230	3	Screw	Molded black plastic	S12B		7.14mm
144	TT261	2	Screw	Molded black plastic	TT31		3.97mm
144	TT263	3	Screw	Molded black plastic	TT32B		3.97mm
150	299			Nickel-plated copper alloy.	Z15J	Maximum Cable Size: .290" diameter	7.37mm
	483Z	3	Screw	Molded black plastic.			6.71mm
140	482N	3	Screw	Molded Red plastic			5.06mm
140	482NC	3	Cable Clamp	Shielded. Red, metal finish.			5.06mm
140	482NCP	3	Cable Clamp	Molded Red plastic			5.06mm
140	483N	3	Screw	Molded Black plastic			7.60mm
140	483NC	3	Cable Clamp	Shielded. Black metal finish.			7.60mm

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140	483NCP	3	Cable Clamp	Molded black plastic.			7.60mm
140	485NC	3	Cable Clamp	Shielded. Nickel finish.			
143	TT251	2	Screw	Molded black plastic			7.9mm
143	TT252	2	Screw	Molded red plastic			7.9mm
143	TT253	3	Screw	Molded black plastic		Mil-typeM642/13-1	7.9mm
143	TT253N	3	Screw	Molded black plastic		Nickel-plated plug	7.9mm
143	TT253NC	3	Solder	Molded black plastic		Nickel-plated plug, tinned solder terminals	7.9mm
143	TT254	3	Screw	Molded red plastic		Mil-typeM642/13-2	7.9mm
143	TT254N	3	Screw	Molded red plastic		Nickel-plated plug	7.9mm
143	TT254NC	3	Solder	Molded red plastic		Nickel-plated plug, tinned solder terminals	7.9mm
143	2P2003	3	Screw	None			N/A