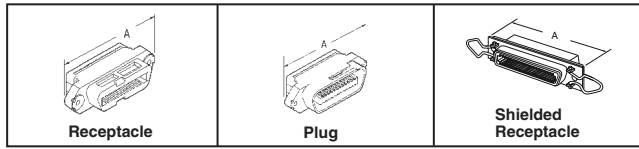


CHAMP® Latch Parallel Interface and Ribbon Cable Connectors

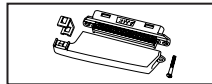
A



No. of Pos.	Dim. A Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
CHAMP® Latch Low Profile Connectors - Plastic Screw Lock — RoHS Compliant					
14	1.750 (44.45)	Plug	A24213-ND	14.00 11.20	553596-1
14	1.750 (44.45)	Receptacle	A24214-ND	14.13 11.30	553597-1
24	2.175 (55.25)	Plug	A1559-ND	13.35 10.68	553598-1
24	2.175 (55.25)	Receptacle	A1561-ND	15.20 12.16	553599-1
36	2.685 (68.20)	Plug	A1563-ND	21.73 17.38	553600-1
36	2.685 (68.20)	Receptacle	A1565-ND	15.45 12.36	553601-1
50	3.280 (83.31)	Plug	A1567-ND	9.20 7.36	553602-1
50	3.280 (83.31)	Receptacle	A1569-ND	10.40 8.32	553603-1
64	3.875 (98.43)	Receptacle	A24190-ND	100.20 80.16	552838-1
Bail Lock — RoHS Compliant					
36	2.685 (68.20)	Plug	A1564-ND	13.85 11.08	554084-1
64	3.651 (92.74)	Plug	A24221-ND	98.78 79.02	552933-1
Panel Mount — RoHS Compliant					
24	2.175 (55.25)	Plug	A24215-ND	13.23 10.58	554103-1
24	2.175 (55.25)	Receptacle	A24216-ND	15.20 12.16	554088-1
36	2.685 (68.20)	Receptacle	A1566-ND	17.33 13.86	554089-1
50	3.280 (83.31)	Receptacle	A1570-ND	7.68 6.14	554090-1
64	3.875 (98.43)	Receptacle	A24191-ND	51.38 41.10	552843-1
Shielded CHAMP® Latch Panel Mount Connectors - Plastic Screw Lock, Preassembled					
24	2.205 (56.01)	Receptacle, 6-32	A1556-ND	18.53 14.82	554434-1
24	2.205 (56.01)	Receptacle, 6-32	A33597-ND	15.90 12.72	554434-1
50	3.310 (84.07)	Receptacle, 4-40	A1557-ND	20.33 16.26	554436-2
50	3.310 (84.07)	Receptacle, 4-40	A33598-ND	17.48 13.98	554436-2
Bail Lock, Preassembled — RoHS Compliant					
36	2.715 (68.96)	Receptacle, 4-40	A33599-ND	15.80 12.64	555436-2
36	2.715 (68.96)	Receptacle, 4-40	A33600-ND	15.80 12.64	5555983-1
50	3.310 (84.07)	Receptacle, 4-40	A24219-ND	8.95 7.16	554902-1
Screw Lock, Loose Pieces					
24	2.380 (60.45)	Receptacle	A1558-ND	17.70 14.16	554349-1
24	2.380 (60.45)	Receptacle	A33601-ND	15.90 12.72	5554349-1
36	2.380 (60.45)	Receptacle	A33602-ND	16.13 12.90	5554348-1
Hardware Kits — RoHS Compliant					
Bail Lock, 4-40 UNC x .500" (12.70)		A33605-ND	2.25	1.80	5552561-3
Front Panel Mount Metric Screw Lock		A33606-ND	4.65	3.72	5553636-2
Rear Panel Mount Metric Screw Lock		A33607-ND	6.00	4.80	5553636-3
Shielded Screw Lock, Rear Mount 4-40		A33608-ND	5.08	4.06	5554272-1
Shielded Screw Lock, Rear Mount Metric		A1579-ND	2.87	2.30	554808-1
Accessories — RoHS Compliant					
Latch Cable Strain Relief Clip, 50 Pos. for Low Profile		A24227-ND	3.43	2.74	554099-1

◆ RoHS Compliant † Does not have boss feature. Boss is a .040" (1.02) shoulder on front of shield.

CHAMP® Connector Kits



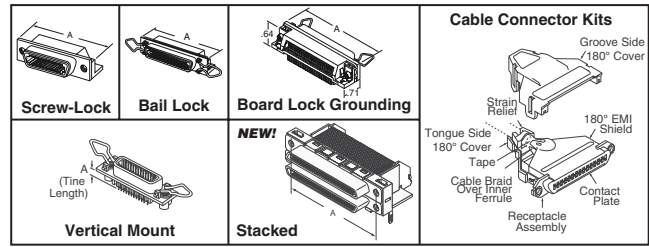
Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
50 Position with Tapered Cover Solid and Stranded Kits				
0.550 max. (13.97)	Plug, Black	A33609-ND	4.48 3.58	5552382-1
	Receptacle, Black	A33610-ND	10.88 8.70	5552383-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33611-ND	3.26 2.61	5229912-1
	Receptacle, Black	A1572-ND	3.83 3.07	229913-1
	Receptacle, Black	A33612-ND	3.29 2.64	5229913-1
	Plug, Gray	A24326-ND	3.85 3.08	229912-4
	Plug, Gray	A33613-ND	3.63 2.90	5229912-4
	Receptacle, Gray	A33614-ND	3.63 2.90	5229913-4
.425 - .500 (10.80 - 12.70)	Plug with Dust Cover, Black	A33615-ND	3.48 2.79	1-5229912-1
	Receptacle with Dust Cover, Black	A24329-ND	4.05 3.25	1-229913-1
	Receptacle with Dust Cover, Black	A33616-ND	3.48 2.79	1-5229913-1
	Plug, Black	A24332-ND	3.85 3.08	2-229912-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33617-ND	3.70 2.96	2-5229912-1
	Receptacle, Black	A33618-ND	3.63 2.90	2-5229913-1
	Plug with Dust Cover, Black	A24334-ND	4.03 3.22	3-5229912-1
	Plug with Dust Cover, Black	A33619-ND	3.83 3.06	3-5229912-1
	Receptacle with Dust Cover, Black	A33620-ND	4.28 3.42	3-5229913-1
	Plug, Black	A24336-ND	5.18 4.14	552402-1
.51 (12.95)	Plug, 24 AWG Solid, Red	A24365-ND	19.30 15.44	1-558693-1
	120° Strain Relief, Light Almond	A24366-ND	5.05 4.04	569336-1
(8.89 - 17.27)	120° Strain Relief, Black	A24367-ND	2.75 2.20	569336-3
	90° Strain Relief, Lt. Almond Cover	A24368-ND	5.80 4.64	569335-1
50 Position CHAMP Connector With Crimp Cable Clamp — RoHS Compliant				
—	Wear Adapter (Plug to Recept. Assy.)	A24372-ND	29.20 23.36	552705-1

Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
CHAMP-LOK Hardware Kits — RoHS Compliant				
—	Locking Latch, 36 or 50 Positions	A24338-ND	.44 .36	552723-1
—	Locking Latch, 14 or 24 Positions	A24339-ND	1.25 1.00	552723-2
Back-to-Back Connector Assembly — RoHS Compliant				
.380 - .400 (9.65 - 10.16)	24 AWG Cable to Cable Kit, 50 Pos.	A33624-ND	31.45 25.16	5553257-1
.300 - .375 (7.62 - 9.53)	Snap-on-Cover, 24 Position	A24375-ND	7.03 5.62	554831-1
50 Position Gender Menders — RoHS Compliant				
—	Receptacle without J-Hook Hardware	A33625-ND	41.88 33.50	5554875-2
—	Plug with J-Hook Hardware	A33626-ND	38.78 31.02	5554876-1
—	Plug with out J-Hook Hardware	A33627-ND	41.35 33.08	5554876-2

◆ RoHS Compliant

CHAMP® Shielded Connectors

Terminals: Selectively plated gold over nickel plated high strength copper alloy, tin plated tails.
Housing & Cover Material: Thermoplastic, black



No. of Pos.	Dim. A Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
Right Angle, Preassembled Screw Lock					
24	2.205 (56.01)	Receptacle, Standard, 6-32	A15016-ND	12.05 9.64	553811-1
24	2.205 (56.01)	Receptacle, Standard, 6-32	A33628-ND	10.38 8.30	5553811-1
24	2.205 (56.01)	Receptacle, Reverse, 6-32	A24294-ND	42.30 33.84	553811-2
24	2.205 (56.01)	Receptacle, Reverse, 6-32	A97700-ND	36.35 29.08	5553811-2
50	3.305 (83.95)	Receptacle, Reverse, 4-40	A24295-ND	12.33 9.86	553813-4
50	3.305 (83.95)	Receptacle, Standard, 4-40	A15001-ND	10.20 8.16	553813-3
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33631-ND	8.78 7.02	5553813-3
NEW! Right Angle, Stacked, Preassembled Screw Lock — RoHS Compliant					
68	1.484 (37.70)	Receptacle, M2	A97692-ND	31.03 24.82	5787962-1
Right Angle, Preassembled Bail Lock					
36	2.710 (68.83)	Receptacle, Standard, 4-40	A24298-ND	21.33 17.06	555233-1
36	2.710 (68.83)	Receptacle, Standard, 4-40	A33632-ND	22.18 17.74	555233-1
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33633-ND	11.08 8.86	5554901-1
Right Angle, Board Lock Grounding					
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A24299-ND	11.75 9.40	554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A33634-ND	10.08 8.06	554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A24300-ND	15.38 12.30	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A33635-ND	13.23 10.58	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Reverse	A33636-ND	16.10 12.88	5551139-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A24303-ND	47.23 37.78	555139-2
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A33637-ND	41.33 33.06	555139-2
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A24303-ND	10.03 8.02	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33638-ND	8.60 6.88	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33639-ND	8.35 6.68	555520-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A24304-ND	16.75 13.40	557932-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A33641-ND	14.43 11.54	557932-2
50	3.320 (84.33)	Bail Lock, 4-40, Standard, Panel Mnt.	A33640-ND	11.75 9.40	555057-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A15005-ND	12.23 9.78	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A33642-ND	10.45 8.36	555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Reverse	A97693-ND	11.88 9.50	555149-3
Vertical Mount					
24	.150 (3.81)	Screw Lock, 6-32	A24305-ND	17.70 14.16	554501-1
24	.150 (3.81)	Screw Lock, 6-32	A33643-ND	15.20 12.16	5554501-1
24	.215 (5.46)	Screw Lock, 6-32	A24306-ND	28.63 22.90	554501-2
36	.215 (5.46)	Bail Lock, 4-40	A33645-ND	13.05 10.44	5554145-4
50	.135 (3.43)	Bail Lock, 4-40	A33646-ND	12.68 10.14	5554216-3
50	.200 (5.08)	Screw Lock, 4-40	A24308-ND	15.48 12.38	554217-4
50	.200 (5.08)	Screw Lock, 4-40	A33647-ND	13.33 10.66	5554217-4
Hardware Kits — RoHS Compliant					
—	—	Vert. Mt., Pan Head Screws (2 req.)	A24309-ND	3.88 3.10	554043-2
—	—	Vert. Mt. Metric Standoff Screws (panhead screw and standoff)	A32497-ND	11.00 8.80	5554858-1

◆ RoHS Compliant † Has drawn metal shield

No. of Pos.	Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
Cable Connector Kits					
Plug — Solid or Stranded — RoHS Compliant					
36	.250 - .500 (6.35 - 12.70)	Screw Lock, 24-26 AWG	A24313-ND	27.48 21.98	554951-2
		Bail Lock, 24-26 AWG	A24314-ND	10.70 8.56	554950-2
		Bail Lock, 26-28 AWG	A15010-ND	10.55 8.44	554950-1
50	.350 - .625 (8.89 - 15.88)	Screw Lock, 24-26 AWG	A24315-ND	8.35 6.68	554954-2
		Screw Lock, 26-28 AWG	A15012-ND	7.95 6.36	554954-1
		Bail Lock, 26-28 AWG	A15011-ND	6.00 4.80	554953-1
		Bail Lock, 24-26 AWG	A24316-ND	7.30 5.84	554953-2
		Bail Lock, 26-28 AWG	A29102-ND	12.06 9.65	5-554953-1
50	.370 max. (9.40)	Bail Lock, 90° Exit, Gray	A24319-ND	13.80 11.04	5-555012-2
Receptacle — Solid or Stranded — RoHS Compliant					
50	.350 - .625 (8.89 - 15.88)	Screw or Bail Lock, 26-28 AWG	A24318-ND	8.55 6.84	554955-1
Cover Kits and Accessories — RoHS Compliant					
24	—	180° Cover	A15013-ND	14.03 11.22	554944-1
50	—	180° Cover - Cab. dia. ≤ .500 (12.70)	A15015-ND	3.14 2.51	554946-1
50	—	180° Cover - Cab. dia. ≥ .500 (12.70)	A24320-ND	2.94 2.35	554946-2
—	—	Cap. Pan Head Screw, 4-40 (2 req.)	A33648-ND	.33 .17	5554726-1
—	—	Inner Ferrule .500 (12.7) Inside Dia.	A24323-ND	40 .32	554725-6

‡ Cover sold separately

More Product Available Online: www.digkey.com

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