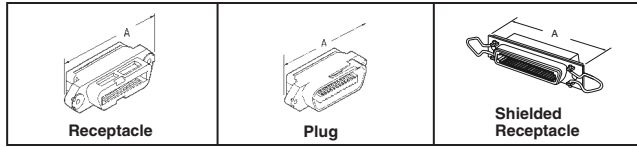




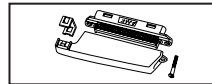
AMP CHAMP® Latch Parallel Interface and Ribbon Cable Connectors



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 — RoHS Compliant					
Screw Lock					
14	1.750 (44.45)	Plug	A24213-ND	16.02 12.82	553596-1
14	1.750 (44.45)	Receptacle	A24214-ND	16.19 12.95	553597-1
24	2.175 (55.25)	Plug	A1559-ND	15.24 12.19	553598-1
24	2.175 (55.25)	Receptacle	A1561-ND	17.37 13.90	553599-1
36	2.685 (68.20)	Plug	A1563-ND	21.24 16.99	553600-1
36	2.685 (68.20)	Receptacle	A1565-ND	17.71 14.17	553601-1
50	3.280 (83.31)	Plug	A1567-ND	18.72 14.97	553602-1
50	3.280 (83.31)	Receptacle	A1569-ND	18.27 14.62	553603-1
Bail Lock					
36	2.685 (68.20)	Plug	A1564-ND	15.86 12.69	554084-1
Panel Mount					
24	2.175 (55.25)	Plug	A24215-ND	15.09 12.08	554103-1
24	2.175 (55.25)	Receptacle	A24216-ND	17.37 13.90	554088-1
36	2.685 (68.20)	Receptacle	A1566-ND	16.94 13.56	554089-1
50	3.280 (83.31)	Receptacle	A1570-ND	17.20 13.76	554090-1
Shielded CHAMP Latch Panel Mount Connectors - Plastic					
Screw Lock, Preassembled — RoHS Compliant					
24	2.205 (56.01)	Receptacle, 6-32	A33597-ND	18.89 15.11	555434-1
50	3.310 (84.07)	Receptacle, 4-40	A33598-ND	15.93 12.75	555436-2
Bail Lock, Preassembled — RoHS Compliant					
36	2.715 (68.96)	Receptacle, 4-40	A33599-ND	18.77 15.02	5554346-2
36	2.715 (68.96)	Receptacle, 4-40	A33600-ND†	18.77 15.02	5555983-1
50	3.310 (84.07)	Receptacle, 4-40	A24219-ND†	15.01 12.01	554902-1
Screw Lock, Loose Pieces					
24	2.380 (60.45)	Receptacle	A1558-ND	20.98 16.79	554349-1
24	2.380 (60.45)	Receptacle	A33601-ND◆	18.89 15.11	5554349-1
36	2.380 (60.45)	Receptacle	A33602-ND	19.08 15.27	5554348-1
Hardware Kits — RoHS Compliant					
Bail Lock, 4-40 UNC x .500" (12.70)					
Front Panel Mount Metric Screw Lock					
Rear Panel Mount Metric Screw Lock					
Shielded Screw Lock, Rear Mount 4-40					
Shielded Screw Lock, Rear Mount Metric					

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

AMP CHAMP® Connector Kits



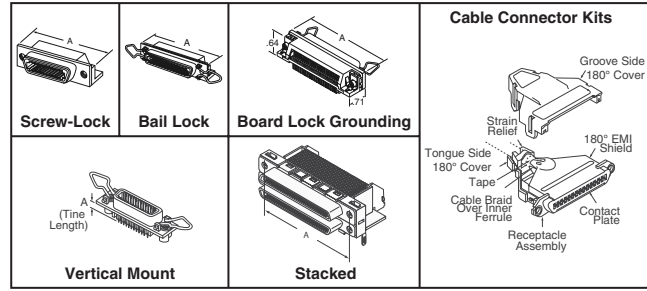
Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
50 Position with Tapered Cover Solid and Stranded Kits				
0.550 max. (13.97)	Plug, Black	A33609-ND◆	5.89 4.72	5552382-1
	Receptacle, Black	A33610-ND◆	8.53 6.83	5552383-1
.350 - .425 (8.89 - 10.80)	Plug, Black	A33611-ND◆	3.96 3.17	5229912-4
	Receptacle, Black	A1572-ND	4.58 3.67	229913-1
	Receptacle, Black	A33612-ND◆	4.10 3.28	5229913-1
	Plug, Gray	A33613-ND◆	4.75 3.80	5229912-4
	Receptacle, Gray	A33614-ND◆	4.75 3.80	5229913-4
	Plug with Dust Cover, Black	A33615-ND◆	4.38 3.51	1-5229912-1
.425 - .500 (10.80 - 12.70)	Receptacle with Dust Cover, Black	A24329-ND	4.85 3.88	1-229913-1
	Receptacle with Dust Cover, Black	A33616-ND◆	4.43 3.55	1-5229913-1
	Plug, Black	A33617-ND◆	4.83 3.87	2-5229912-1
	Receptacle, Black	A33618-ND◆	4.75 3.80	2-5229913-1
.350 - .425 (8.89 - 10.80)	Plug with Dust Cover, Black	A33619-ND◆	4.92 3.93	3-5229912-1
	Plug, Black	A33621-ND◆	6.49 5.19	5552402-1
	Receptacle, Black	A33622-ND◆	5.44 4.36	5552403-1
50 Position CHAMP System 5 Connectors — RoHS Compliant				
.51 (12.95)	Plug, 24 AWG Solid, Red	A24365-ND	21.07 16.86	1-558693-1
.350 - .680 (8.89 - 17.27)	120° Strain Relief, Light Almond	A24366-ND	4.60 3.69	569336-1
	120° Strain Relief, Black	A24367-ND	2.44 1.95	569336-3
.650 - .750 (16.51 - 19.05)	90° Strain Relief, Lt. Almond Cover	A24368-ND	3.70 2.97	569335-1

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	.68 .55	552723-1
—	Locking Latch, 14 or 24 Positions	A24339-ND	.76 .61	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	46.38 37.10	5553257-1
50 Position Gender Menders — RoHS Compliant				
—	Receptacle without J-Hook Hardware	A33625-ND	41.69 33.36	5554875-2
—	Plug with J-Hook Hardware	A33626-ND	35.35 28.28	5554876-1
—	Plug with out J-Hook Hardware	A33627-ND	48.53 38.83	5554876-2

◆ RoHS Compliant

AMP 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	A33628-ND◆	15.18 12.15	5553811-1
24	2.205 (56.01)	Receptacle, Reverse, 6-32	A97700-ND◆	19.75 15.80	5553811-2
50	3.305 (83.95)	Receptacle, Standard, 4-40	A15001-ND	11.89 9.52	553813-3
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33631-ND◆	10.38 8.31	5553813-3
Right Angle, Stacked, Preassembled Screw Lock — RoHS Compliant					
68	1.484 (37.70)	Receptacle, M2	A97692-ND	28.90 23.12	5787962-1
Right Angle, Preassembled Bail Lock — RoHS Compliant					
36	2.710 (68.83)	Receptacle, Standard, 4-40	A33632-ND	18.72 14.97	5555233-1
50	3.305 (83.95)	Receptacle, Standard, 4-40	A33633-ND	13.02 10.42	5554901-1
Right Angle, Board Lock Grounding					
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A24299-ND	13.67 10.93	554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Standard	A33634-ND◆	12.34 9.88	5554923-2
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A24300-ND	12.96 10.37	554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Reverse	A33635-ND◆	12.34 9.88	5554923-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Pro., Reverse	A33636-ND◆	14.08 11.27	5555139-1
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A24302-ND	31.81 25.46	555139-2
24	2.205 (56.01)	Screw Lock, 6-32, Low Profile, Std.	A33638-ND◆	27.86 22.29	5555139-2
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A24303-ND	11.89 9.52	555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33638-ND◆	13.16 10.53	5555119-1
36	2.715 (68.96)	Bail Lock, 4-40, Standard	A33639-ND†◆	18.91 15.13	5555520-2
50	3.320 (84.33)	Screw Lock, 4-40, Standard	A33641-ND◆	16.78 13.43	5557932-2
50	3.320 (84.33)	Bail Lock, 4-40, Standard, Panel Mnt.	A33640-ND◆	12.77 10.22	5555057-1
50	3.310 (84.07)	Bail Lock, 4-40, Standard	A33642-ND◆	14.90 11.92	5555149-1
50	3.310 (84.07)	Bail Lock, 4-40, Reverse	A97693-ND◆	17.51 14.01	5555149-3
Vertical Mount — RoHS Compliant					
24	.150 (3.81)	Screw Lock, 6-32	A33643-ND	13.39 10.71	5554501-1
36	.215 (5.46)	Bail Lock, 4-40	A33645-ND	16.94 13.56	5554145-4
50	.135 (3.43)	Bail Lock, 4-40	A33646-ND	16.55 13.25	5554216-3
50	.200 (5.08)	Screw Lock, 4-40	A33647-ND	17.28 13.83	5554217-4
Hardware Kits — RoHS Compliant					
Vertical Mount, Pan Head Screws (2 req.)					
Vert. Mt. Metric Standoff Screws (panhead screw and standoff)					

No. of Pos.	Cable Range Inch (mm)	Description	Digi-Key Part No.	Price Each 1 25	AMP Part No.
Cable Connector Kits — RoHS Compliant					
Plug — Solid or Stranded					
36	.250 - .500 (6.35 - 12.70)	Bail Lock, 24-26 AWG	A24314-ND‡	5.89 4.72	554950-2
50	.350 - .625 (8.89 - 15.88)	Screw Lock, 24-26 AWG	A24315-ND‡	9.68 7.75	554954-2
		Screw Lock, 26-28 AWG	A15012-ND‡	9.35 7.48	554954-1
		Bail Lock, 26-28 AWG	A15011-ND‡	6.96 5.57	554953-1
		Bail Lock, 24-26 AWG	A24316-ND‡	6.93 5.55	554953-2
	.370 max. (9.40)	Bail Lock, 90° Exit, Gray	A24319-ND‡	15.37 12.30	5-555012-2
Receptacle — Solid or Stranded					
50	.350 - .625 (8.89 - 15.88)	Screw or Bail Lock, 26-28 AWG	A24318-ND‡	7.16 5.73	554955-1
Cover Kits and Accessories					
24	—	180° Cover	A15013-ND	8.87 7.10	554944-1
50	—	180° Cover - Cab. dia. ≤ .500 (12.70)	A15015-ND	3.65 2.92	554946-1
50	—	180° Cover - Cab. dia. ≥ .500 (12.70)	A24320-ND	3.41 2.73	554946-2
Cap. Pan Head Screw, 4-40 (2 req.)					
Inner Ferrule .500 (12.7) Inside Dia.					

◆ RoHS Compliant † Has drawn metal shield ‡ Cover sold separately

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