

**Features:**  
 • UL Recognized • Plug and receptacle in 20, 38, 56, 90 or 120 contact sizes • Contact termination options include crimp, P.C. tail, wire hole and wire wrap • Mating and unmating simplified with use of actuating screws  
 • Contacts suitable for either plug or receptacle  
**Specifications:** • Insulator Material: Diallyl Phthalate, Color: Green, or Polycarbonate Color: Grey • Con-

• Contact Material: Phosphor Bronze Alloy CA-510 • Contact Plating: Gold over nickel for entire contact • Cover Material: Die-cast zinc, finished with grey enamel paint • Current Rating: 8.5 Amperes • Contact Resistance: 10mΩ maximum • Dielectric Withstanding Voltage: 2000VAC rms at sea level • Insulation Resistance: 5000MΩ minimum • Operating Temperature: -65°C – 125°C • Insertion and Withdrawal Force: 2 – 16 oz. (0.56 – 4.45 N) per contact position

Dimensions in mm

A

**Fig. 1 – 20 Pin Plug and Receptacle, Grey**

**Fig. 2 – 38 Pin Plug and Receptacle, Grey**

**Fig. 3 – 56 Pin Plug and Receptacle, Grey**

**Fig. 4 – 90 Pin Plug and Receptacle, Grey**

**Fig. 5 – 120 Pin Plug and Receptacle, Green**

**Fig. 6 – Metal Connector Cover**

No. of Contacts	Dimensions - mm					
	A	B	C	D	E	F
20	39.09	33.66	23.01	17.42	11.33	12.45
38	56.03	50.95	39.78	22.23	18.29	14.61
56	71.17	66.09	39.78	22.23	18.29	14.61
90	79.20	69.04	45.09	31.34	22.35	22.86
120	80.65	69.85	51.31	38.89	22.61	27.43

**Fig. 7 – Contacts**

Fig.	No. of Contacts	Description	Digi-Key Part No.	Pricing		EDAC Part No.
				1	10	
1	20	Plug with Screw	151-1024-ND	11.16	99.00	516-020-000-301
	20	Plug with Nut	151-1025-ND	7.69	68.20	516-020-000-302
	20	Receptacle with Screw	151-1026-ND	10.08	89.38	516-020-000-401
	20	Receptacle with Nut	151-1027-ND	8.03	71.23	516-020-000-402
2	38	Plug with Screw	151-1028-ND	10.63	94.33	516-038-000-301
	38	Plug with Nut	151-1029-ND	7.69	68.20	516-038-000-302
	38	Receptacle with Screw	151-1030-ND	10.63	94.33	516-038-000-401
	38	Receptacle with Nut	151-1031-ND	7.69	68.20	516-038-000-402
3	56	Plug with Screw	151-1032-ND	10.97	97.35	516-056-000-301
	56	Plug with Nut	151-1033-ND	8.03	71.23	516-056-000-302
	56	Receptacle with Screw	151-1034-ND	10.97	97.35	516-056-000-401
	56	Receptacle with Nut	151-1035-ND	7.87	69.85	516-056-000-402
4	90	Plug with Screw	151-1036-ND	24.68	218.90	516-090-000-301
	90	Plug with Nut	151-1037-ND	9.61	85.25	516-090-000-302
	90	Receptacle with Screw	151-1038-ND	23.99	212.85	516-090-000-401
	90	Receptacle with Nut	151-1039-ND	9.77	86.63	516-090-000-402

Fig.	No. of Contacts	Description	Digi-Key Part No.	Pricing		EDAC Part No.
				1	10	
5	120	Plug with Screw	151-1040-ND	26.10	231.55	516-120-000-101
	120	Plug with Nut	151-1041-ND	12.71	112.75	516-120-000-102
	120	Receptacle with Screw	151-1042-ND	26.26	232.93	516-120-000-201
	120	Receptacle with Nut	151-1043-ND	13.21	117.15	516-120-000-202
6	—	Cover for 20 Position	151-1044-ND	18.45	163.63	516-230-520
	—	Cover for 38 Position	151-1045-ND	19.31	171.33	516-230-538
	—	Cover for 56 Position	151-1046-ND	21.05	186.73	516-230-556
	—	Cover for 90 Position	151-1047-ND	22.07	195.80	516-230-590
	—	Cover for 120 Position	151-1048-ND	23.50	208.45	516-230-512
7A	—	Solder Eyelet	151-1049-ND	—	2.48	516-290-500
7B	—	Solder tail	151-1050-ND	—	2.48	516-290-520
7C	—	Wirewrap	151-1051-ND	—	3.30	516-290-541
7D	—	Crimp Type	151-1052-ND	—	2.48	516-290-590
—	—	Crimp Tool	151-1058-ND	286.19	—	516-280-201
—	—	Extraction Tool	151-1059-ND	117.74	—	516-280-300
—	—	Insertion Tool	151-1124-ND	52.51	—	516-280-400

## Telecom Connectors — B57 Series



Dim. in Inches (mm)

**Specifications:**  
 • Mate with other industry standard telecom connectors • Blue (50 pin) or black (64-pin) thermoplastic polyester • Contact Material: Phosphor Bronze • Contact Plating: Gold over nickel plate for the mating area • Shell Material: Nickel-plated steel • Operating Temperature: -55°C – 125°C • Current Rating: 2A • Contact Resistance: 30mΩ maximum • Insulator rated UL94 V-0 • Insulation Resistance: 5000MΩ minimum

Fig.	Description	Digi-Key Part No.	Price Each			EDAC Part No.
			1	10	100	
1	Receptacle, Vertical, 50-Pos., Pressfit	151-1096-ND	4.68	4.16	3.33	B57-050-220-202
	Receptacle, Vertical, 50-Pos., Thru-Hole	151-1097-ND	2.91	2.59	2.07	B57-050-221-202
2	Receptacle, Right Angle, 50-Pos., Thru-Hole	151-1098-ND	8.84	7.84	6.27	B57-050-260-202

**Fig. 1**

**Fig. 2**

## AVX Rack and Panel Connectors



**Features:**  
 • Insertable/Removable contacts • Exceptional versatility • Actuating screw facilitates mating and unmating – Locks mated connectors together • Plug and receptacle contacts are protected from mishandling • Guide pins and sockets ensure correct alignment when mating • UL recognized polyester material • CSA acceptable polyester material

**Specifications:**  
 • Current rating: 8A maximum • Contact resistance: 6mΩ maximum

No. of Contacts	Description	Digi-Key Part No.	Price Each			AVX Part No.
			1	10	100	
20	Male with Jack Screw	478-4829-ND	9.78	8.50	6.80	008016020000601
	Female with Fixed Nut	478-4830-ND	6.90	6.00	4.80	008016020000607
38	Male with Jack Screw	478-4831-ND	9.20	8.00	6.40	008016038000601
	Female with Fixed Nut	478-4832-ND	6.90	6.00	4.80	008016038000607
56	Male with Jack Screw	478-4833-ND	9.20	8.00	6.40	008016056000601
	Female with Fixed Nut	478-4834-ND	6.90	6.00	4.80	008016056000607
90	Male with Jack Screw	478-4835-ND	20.13	17.50	14.00	008016090000601
	Female with Fixed Nut	478-4836-ND	9.20	8.00	6.40	008016090000607

Male with Jack Screw

Female with Fixed Nut

No. of Contacts	Description	Digi-Key Part No.	Price Each			AVX Part No.
			1	10	100	
120	Male with Jack Screw	478-4837-ND	21.85	19.00	15.20	008016120000601
	Female with Fixed Nut	478-4838-ND	11.50	10.00	8.00	008016120000607
<b>Contacts and Tools</b>						
—	Crimp Contact, 25µ" Gold	478-4827-ND	.50	.35	.27	608017031300339
—	Crimp Tool	478-4828-ND	—	266.91/1	—	067852010000000
—	Extraction Tool	478-4839-ND	—	98.14/1	—	061877040000000
—	Insertion Tool	478-4840-ND	—	77.81/1	—	061742040000000

More Product Available Online: [www.digikey.com](http://www.digikey.com)