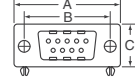




Surface Mount
D-Sub Connectors

190 and 200 Series

Materials: • Shell: Steel, zinc or tin plating
• Insulator: Nylon 6T, UL 94V-0 rated • Contacts: Phosphor bronze • Plating: Gold flash on mating area, tin/lead on terminating area



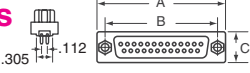
Connector Size	Dimensions - Inch		
	A	B	C
9	1.183	0.984	0.494
15	1.183	0.984	0.494
25	2.089	1.852	0.494

No. of Pins	Type	Digi-Key Part No.	Price Each			NorComp Part No.
			1	10	100	
Series 190 - Right Angle						
(.120" Diameter Hole and 4-40 UNC Threaded Insert)						
9	Male	190-09MA-ND	3.56	2.31	1.77	190-009-163R001
	Female	190-09FA-ND	3.56	2.31	1.77	190-009-263R001
25	Male	190-25MA-ND	5.12	3.51	2.79	190-025-163R001
	Female	190-25FA-ND	5.12	3.51	2.79	190-025-263R001
Series 200 - High Density Right Angle						
(.120" Diameter Hole and 4-40 UNC Threaded Insert)						
15	Female	200-15FA-ND	4.21	2.88	2.30	200-015-263R001

Press Fit D-Sub Connectors

191 Series

Materials: • Shell: Steel, nickel or tin plated • Insulator: Nylon, UL 94V-0 rated
• Contacts: Male - Brass; Female - Phosphor bronze • Plating: Gold flash on mating area, tin/lead on terminating area

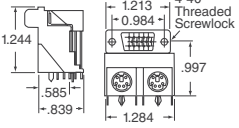


Connector Size	Dimensions - Inch		
	A	B	C
9	1.214	.984	.494
15	1.545	1.312	.494
25	2.088	1.852	.494
37	2.730	2.500	.494

No. of Pins	Type	Digi-Key Part No.	Price Each			NorComp Part No.
			1	10	100	
.125" Fastening Hole Size						
9	Male	191-09M-ND	2.47	1.66	1.59	191-009-122-001
15	Male	191-15M-ND	2.93	2.25	2.16	191-015-122-001
	Female	191-15F-ND	3.20	2.46	2.35	191-015-222-001
25	Female	191-25F-ND	4.40	3.38	3.23	191-025-222-001
37	Female	191-37F-ND	4.71	4.24	4.05	191-037-222-001
.125" Fastening Hole Size - RoHS Compliant						
9	Male	191-09MA-ND	3.80	2.61	2.08	191-009-123R001
	Female	191-09FA-ND	3.91	2.68	2.13	191-009-223R001
15	Male	191-15MA-ND	5.25	3.60	2.86	191-015-123R001
	Female	191-15FA-ND	5.72	3.92	3.12	191-015-223R001
25	Male	191-25MA-ND	7.27	4.98	3.96	191-025-123R001
	Female	191-25FA-ND	7.84	5.37	4.27	191-025-223R001
37	Male	191-37MA-ND	7.71	5.64	4.67	191-037-123R001
	Female	191-37FA-ND	8.44	6.18	5.12	191-037-223R001

High Density over (2)PS/2
999 Series

Materials:
• Shell: Steel, nickel plated
• Insulator: PBT UL 94V-0 rated
• Contacts: Brass
• Platings: Gold flash contacts

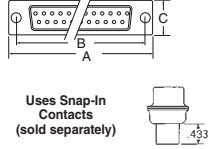


No. of Pins	Type	Digi-Key Part No.	Price Each			NorComp Part No.
			1	10	100	
15	Female	999-H15FA-ND	9.64	7.05	5.84	999-H15-PS2L571

Crimp and Poke
D-Sub Connectors 170 Series

Features: • Available in 5 industry sizes/positions • Low cost commercial version of military standard • Tin or Yellow Chromate shells • Allows for easy loading of only the positions required using Crimp and Snap-in contacts • Tin-plated connector shells have indents to provide grounding and additional retention • Nylon insulator has a minimum contact retention of 10 pounds • Contact current rating: 5 amps

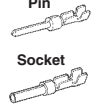
Materials: • Shell: Steel, zinc-plated with yellow chromate or bright tin plating
• Shell - RoHS Compliant: Steel, nickel plating • Insulator: Glass-filled thermoplastic, UL 94V-0 rated



Connector Size	Dimensions - Inch		
	A	B	C
9	1.213	0.984	0.496
15	1.541	1.312	0.496
25	2.087	1.852	0.496
37	2.732	2.500	0.496
50	2.638	2.406	0.602

Snap-In Contacts for Crimp D-Sub Connectors

Features: • Low cost and high performance stamped contacts features insulation support for increased holding power • Contact Range: 24 - 28 AWG • Contacts are commercial quality stamped and are compatible with industry tooling
Material: • Male Pins: Brass • Female Pins: Phosphor bronze • Male Pins - RoHS Compliant: Brass • Female Pins - RoHS Compliant: Brass



No. of Pins	Type	Digi-Key Part No.	Price Each			NorComp Part No.
			1	10	100	
Crimp D-Sub Standard						
Tin Shell						
50	Female	750F-ND	1.87	1.26	1.21	170-050-272-000
Nickel Shell - RoHS Compliant						
9	Male	709ME-ND	1.23	.77	.56	170-009-173L000
	Female	709FE-ND	1.34	.83	.61	170-009-273L000
15	Male	715ME-ND	1.43	.88	.65	170-015-173L000
	Female	715FE-ND	1.56	.97	.71	170-015-273L000
25	Male	725ME-ND	1.51	.94	.69	170-025-173L000
	Female	725FE-ND	1.60	1.00	.73	170-025-273L000
37	Male	737ME-ND	2.50	1.63	1.29	170-037-173L000
	Female	737FE-ND	2.58	1.68	1.29	170-037-273L000
50	Male	750ME-ND	6.56	4.50	3.58	170-050-173L000
	Female	750FE-ND	6.56	4.50	3.58	170-050-273L000
Yellow Chromate						
15	Male	1715MA-ND	.83	.52	.47	170-015-171L000
	Female	1725ME-ND	1.44	.89	.80	170-025-171L000
	Female	1725FA-ND	.93	.58	.52	170-025-271L000
37	Female	1737F-ND	1.63	1.09	1.05	170-037-271-000
50	Female	1750MA-ND	3.85	2.96	2.83	170-050-171L000
Crimp with .065" Clinch Nuts, Board Side						
Tin Shell						
37	Male	5737M-ND	2.17	1.46	1.40	170-037-172-010
	Female	5737F-ND	2.20	1.48	1.42	170-037-272-010
50	Female	5750F-ND	2.29	1.76	1.68	170-050-272-010
Nickel Shell - RoHS Compliant						
9	Male	5709ME-ND	2.35	1.53	1.17	170-009-173L010
	Female	5709FE-ND	2.38	1.55	1.19	170-009-273L010
15	Male	5715ME-ND	2.54	1.65	1.27	170-015-173L010
	Female	5715FE-ND	2.66	1.73	1.32	170-015-273L010
25	Male	5725ME-ND	2.61	1.70	1.30	170-025-173L010
	Female	5725FE-ND	2.69	1.75	1.34	170-025-273L010
37	Male	5737ME-ND	3.37	2.31	1.84	170-037-173L010
	Female	5737FE-ND	3.37	2.31	1.84	170-037-273L010
50	Male	5750ME-ND	7.71	5.28	4.20	170-050-173L010
	Female	5750FE-ND	7.71	5.28	4.20	170-050-273L010
Yellow Chromate						
15	Female	2715FA-ND	2.37	1.59	1.53	170-015-271L010
25	Female	2725FA-ND	1.57	1.06	1.01	170-025-271L010
37	Male	2737M-ND	2.29	1.54	1.48	170-037-171-010
	Female	2737F-ND	2.28	1.53	1.46	170-037-271L010
50	Female	2750F-ND	2.29	1.54	1.48	170-050-271-010
Crimp with .250" Clinch Nuts, Board Side						
Tin Shell						
15	Female	6715F-ND	1.51	1.02	.98	170-015-272-020
	Female	6737F-ND	2.17	1.46	1.40	170-037-172-020
	Female	6737F-ND	2.20	1.48	1.42	170-037-272-020
50	Male	6750M-ND	2.57	1.73	1.65	170-050-172-020
Nickel Shell - RoHS Compliant						
9	Male	6709ME-ND	2.35	1.53	1.17	170-009-173L020
	Female	6709FE-ND	2.38	1.55	1.19	170-009-273L020
15	Male	6715ME-ND	2.54	1.65	1.27	170-015-173L020
	Female	6715FE-ND	2.66	1.73	1.32	170-015-273L020
25	Male	6725ME-ND	2.61	1.70	1.30	170-025-173L020
	Female	6725FE-ND	2.69	1.75	1.34	170-025-273L020
37	Male	6737ME-ND	3.37	2.31	1.84	170-037-173L020
	Female	6737FE-ND	3.37	2.31	1.84	170-037-273L020
50	Male	6750ME-ND	7.71	5.28	4.20	170-050-173L020
	Female	6750FE-ND	7.71	5.28	4.20	170-050-273L020
Yellow Chromate						
15	Male	3715M-ND	1.90	1.28	1.22	170-015-171-020
	Male	3715MA-ND	1.48	1.00	.96	170-015-171L020
25	Male	3725MA-ND	1.51	1.02	.98	170-025-171L020
	Male	3750MA-ND	4.52	3.47	3.32	170-050-171L020
	Female	3750F-ND	2.29	1.54	1.48	170-050-271-020
Crimp with .250" Clinch Nuts, Mating Side						
Tin Shell						
37	Male	7737M-ND	2.17	1.46	1.40	170-037-172-030
50	Female	7750F-ND	2.29	1.76	1.68	170-050-272-030

No. of Pins	Type	Digi-Key Part No.	Price Each			NorComp Part No.
			1	10	100	
Nickel Shell - RoHS Compliant						
9	Male	7709ME-ND	2.35	1.53	1.17	170-009-173L030
	Female	7709FE-ND	2.38	1.55	1.19	170-009-273L030
15	Male	7715ME-ND	2.54	1.65	1.27	170-015-173L030
	Female	7715FE-ND	2.66	1.73	1.32	170-015-273L030
25	Male	7725ME-ND	2.61	1.70	1.30	170-025-173L030
	Female	7725FE-ND	2.69	1.75	1.34	170-025-273L030
37	Male	7737ME-ND	3.37	2.31	1.84	170-037-173L030
	Female	7737FE-ND	3.37	2.31	1.84	170-037-273L030
50	Male	7750ME-ND	7.71	5.28	4.20	170-050-173L030
	Female	7750FE-ND	7.71	5.28	4.20	170-050-273L030
Yellow Chromate						
15	Female	4715F-ND	1.87	1.26	1.21	170-015-271-030
	Female	4715FA-ND	1.55	1.05	1.00	170-015-271L030
25	Female	4725FA-ND	1.57	1.06	1.01	170-025-271L030
	Male	4737MA-ND	1.55	1.04	1.00	170-037-171L030
	Female	4737FA-ND	2.40	1.62	1.55	170-037-271L030
	Female	4737F-ND	2.40	1.61	1.54	170-037-271-030
50	Female	4750FA-ND	4.52	3.47	3.32	170-050-271L030
Stamped Contacts 24 - 28 AWG - RoHS Compliant						
	Socket	82SECT-ND†	---	.37	.24	170-002-170L002
	Socket	82SETR-ND‡	1398.10	10,000	---	170-002-170L002
	Socket	82SFECT-NDA†	---	.32	.21	170-002-170L001
	Socket	82SFETR-NDA‡	1218.86	10,000	---	170-002-170L001
	Socket	85SE-ND	---	.25	.17	170-102-170L001
	Socket	86SE-ND	---	.34	.22	170-102-170L002
	Pin	82PECT-ND†	---	.28	.18	170-001-170L002
	Pin	82PETR-ND‡	1063.51	10,000	---	170-001-170L002
	Pin	82PSFECT-NDA†	---	.23	.15	170-001-170L001
	Pin	82PSFETR-NDA‡	872.32	10,000	---	170-001-170L001
	Pin	83PE-ND	---	.21	.14	170-101-170L001
	Pin	84PE-ND	---	.30	.19	170-101-170L002
Machined Contacts 20 - 26 AWG - RoHS Compliant						
	Socket	88SE-ND				