

Female Socket Connectors, .100 x .100 [2.54 x 2.54] Centers, 609 Series

Technical Data

Color — Blue

Contact Material — Beryllium copper

Contact Plating — .000030 [0.00076] min. gold on mating end, .000100-.000200 [0.00254-0.00508] tin on termination end, both over .000050 [0.00127] nickel underplate.

Housing Material — Glass-filled thermoplastic, UL 94V-0 rated

Cable — 28-30 AWG solid or stranded, PVC insulated ribbon cable

Mateable Connectors — **Universal and Low Profile Pin Headers** — pages 76-95

Universal I/O Ribbon Cable Connectors — pages 45 and 46

Polarization — Military only or military and center polarized

■ **Recognized under the Component Program of the Underwriters Laboratories, Inc.** UL File No. E60980



■ **Certified by the Canadian Standards Association,** File No. LR 92984



Application Tooling

Die — 1437000-9 [T&B# 779-2151 ref.]

Handtool — 1437000-6 [T&B# 779-2100 ref.]

Bench Press (Manual) — 1437001-4 [T&B# 779-3200 ref.]

Bench Press Platen — 5-1437000-6 [T&B# 779-3130 ref.]

Bench Press Base Plate — 6-1437000-4 [T&B# 779-3151 ref.]

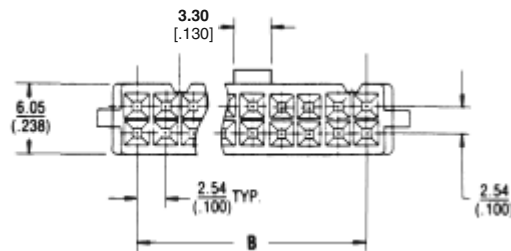
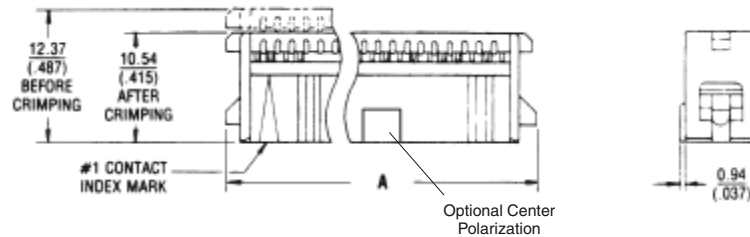
Accessories

Strain Relief — page 67

Pull Loops — page 66

Keying Plug — page 64

Dual Slot IDC Design



Standard Socket Connector Without Strain Relief

Note: All part numbers are RoHS compliant.

Female Socket Connectors, .100 x .100 [2.54 x 2.54] Centers, 609 Series (Continued)

609 Series, Military Polarized

No. of Pos.	Dimensions			Part Numbers			
				Connector Only		Connector w/ Strain Relief	
	A	B	C	TE Connectivity	T&B (Reference Only)	TE Connectivity	T&B (Reference Only)
6	.476 12.09	.200 5.08	.392 9.96	2-1658526-5	609-0600MLF	—	—
10	.676 17.17	.400 10.16	.592 15.04	1658526-3	609-1000MLF	—	—
16	.976 24.79	.700 17.78	.892 22.66	—	—	1-1658526-0	609-1601MLF
20	1.176 29.87	.900 22.86	1.092 27.74	3-1658526-0	609-2000MLF	—	—
26	1.476 37.49	1.200 30.48	1.392 35.36	3-1658526-5	609-2600MLF	—	—
40	2.176 55.27	1.900 48.26	2.092 53.14	4-1658526-1	609-4000MLF	—	—
50	2.676 67.97	2.400 60.96	2.592 65.84	4-1658526-3	609-5000MLF	2-1658526-2	609-5001MLF

Note: Order by TE Part Number only. Original non-RoHS compliant T&B number may be determined by dropping the "LF" suffix.

609 Series, Military and Center Polarized

No. of Pos.	Dimensions			Part Numbers			
				Connector Only		Connector w/ Strain Relief	
	A	B	C	TE Connectivity	T&B (Reference Only)	TE Connectivity	T&B (Reference Only)
6	.476 12.09	.200 5.08	.392 9.96	1658526-1	609-0630LF	1658526-2	609-0641LF
10	.676 17.17	.400 10.16	.592 15.04	1658526-4	609-1030LF	1658526-5	609-1041LF
14	.876 22.25	.600 15.24	.792 20.12	1658526-8	609-1430LF	1658526-9	609-1441LF
16	.976 24.79	.700 17.78	.892 22.66	2-1658526-9	609-1630LF	1-1658526-1	609-1641LF
20	1.176 29.87	.900 22.86	1.092 27.74	1-1658526-2	609-2030LF	1-1658526-3	609-2041LF
24	1.376 34.95	1.100 27.94	1.292 32.82	1-1658526-4	609-2430LF	—	—
26	1.476 37.49	1.200 30.48	1.392 35.36	1-1658526-5	609-2630LF	1-1658526-6	609-2641LF
34	1.876 47.65	1.600 40.64	1.792 45.52	1-1658526-8	609-3430LF	1-1658526-9	609-3441LF
36	1.976 50.19	1.700 43.18	1.892 48.06	3-1658526-8	609-3630LF	4-1658526-0	609-3641LF
40	2.176 55.27	1.900 48.26	2.092 53.14	2-1658526-0	609-4030LF	2-1658526-1	609-4041LF
50	2.676 67.97	2.400 60.96	2.592 65.84	2-1658526-3	609-5030LF	2-1658526-4	609-5041LF
64	3.376 85.75	3.100 78.74	3.292 83.62	4-1658526-4	609-6430LF	4-1658526-5	609-6441LF

Note: Order by TE Part Number only. Original non-RoHS compliant T&B number may be determined by dropping the "LF" suffix.

Note: All part numbers are RoHS compliant.