



DEUTSCH QPL CONTACTS QUICK REFERENCE GUIDE

THE PERFORMANCE LEADER FOR MIL-SPEC CONTACTS

High Performance

- Achieve enhanced durability — 1500 cycles (insertion/withdrawals)
- Terminate to aluminum or standard wires

More Compatibility

- Use with full range of mil-spec connectors
- Meet ASE/EN requirements

Contact Part No.		Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Positioner
Military	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts						
M39029/1 Pin Contacts (For AS81714 Series I Terminal System)						
/1-100	2560-214-1631	16/22	/14-10	/14-10	/2-01	/2-11
/1-101	2560-215-1631L	16/20	/14-10	/14-10	/1-01, /2-01	/1-02, /2-11
/1-102	2560-216-1431	14/16	/14-03	/14-03	/1-01	/1-02
/1-103	2560-217-1231	12	/14-04	/14-04	/1-01	/1-02
/1-507	2560-218-2031	20/22D	/14-01, /1-04, /8-01, /8-02	/14-01, /1-04, /8-01, /8-02	/1-01	/2-32
M39029/4 Pin Contacts (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors)						
/4-110	0641-1-2031L	20	/14-11, /8-205	/14-11, /8-206	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
/4-111	0641-2-1631L	16	/14-03, /8-207	/14-03, /8-208	/1-01, /7-01	/1-02, /7-03
/4-112	109026-31	16/20	/14-03, /8-207	/14-03, /8-208	/1-01, /7-01	/1-02, /7-03
/4-113	0641-3-1231L	12	/14-04, /8-209	/14-04, /8-210	/1-01	/1-02
/4-114	109028-31L	12/16	/14-04, /8-209	/14-04, /8-210	/1-01	/1-02
M39029/5 Socket Contacts (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors)						
/5-115	100503L	20	/14-11, /8-05	/14-11, /8-06	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
/5-116	100504L	16	/14-03, M91659/8-07	/14-03, /8-08	/1-01, /7-01	/1-02, /7-03
/5-117	109027	16/20	/14-03, /8-207	/14-03, /8-208	/1-01, /7-01	/1-02, /7-03
/5-118	100505L	12	/14-04, /8-09	/14-04, /8-210	/1-01	/1-02
/5-119	109029	12/16	/14-04, /8-209	/14-04, /8-210	/1-01	/1-02
M39029/10 Socket Contacts — Thermocouples (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors)						
/10-521	7362-255-1601	16	/14-03	/14-03	/1-01, /7-01	/1-02, /7-03
/10-522	7362-226-1601	16	/14-03	/14-03	/1-01, /7-01	/1-02, /7-03
M39029/11 Pin Contacts (For AS81659 Series II Connectors)						
/11-144	2560-212-2231	22	/1-01	/1-01	/2-01	/2-23
/11-145	2560-212-2031	20	/1-02	/1-02	/2-01, /7-01	/2-08, /7-02
M39029/12 Socket Contacts (For AS81659 Series II Connectors)						
/12-148	2562-209-2231	22	/1-01	/1-01	/2-01	/2-23
/12-149	2562-209-2031	20	/1-02	/1-02	/2-01, /7-01	/2-08, /7-02
M39029/16 Socket Contacts (For AS81511 Series IV Connectors)						
/16-166	81542-238L	23/28	/16-04	/16-04	/2-01	/2-13
/16-167	81542-23L	23/22	/16-04	/16-04	/2-01	/2-13
/16-168	81542-20L	20	/16-01	/16-01	/2-01	/2-14
/16-169	81542-16L	16	/16-02	/16-02	/2-01	/2-15
/16-170	81542-12L	12	/16-03	/16-03	/1-01	/1-09
M39029/17 Socket Contacts (For AS81511 Series III Connectors)						
/17-171	81543-238L	23/28	/16-04	/16-04	/2-01	/2-16
/17-172	81543-23L	23/22	/16-04	/16-04	/2-01	/2-16
/17-173	81543-20L	20	/16-01	/16-01	/2-01	/2-17
/17-174	81543-16L	16	/16-02	/16-02	/2-01	/2-18
/17-175	81543-12L	12	/16-03	/16-03	/1-01	/1-10

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating. For full plating, remove the trailing L.
Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.
For wire size, a double number indicates Mating End/Crimp End.

Contact Part No.		Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Positioner
Military	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts						
M39029/18 Pin Contacts (For AS81511 Series III and IV Connectors)						
/18-176	81541-238L	23/28	/16-04	/16-04	/2-01	/2-13
/18-177	81541-23L	23/22	/16-04	/16-04	/2-01	/2-13
/18-178	81541-20L	20	/16-01	/16-01	/2-01, /7-01	/2-14, /7-02
/18-179	81541-16L	16	/16-02	/16-02	/2-01, /7-01	/2-15, /7-03
/18-180	81541-12L	12	/16-03	/16-03	/1-01	/1-09
M39029/22 Socket Contacts (For AS81714 Series II Terminal System and AS81511 Series III and IV Connectors)						
/22-191	CTS-S22/22	22		—	/7-01	/7-11
/22-192	CTS-S20/20	20	/14-10	—	/7-01	/7-12
/22-193	CTS-S16/16	16	/14-03	—	/7-01	/7-13
/22-605	CTS-S12/12	12	/8-10, /16-03	—	/1-01	/2-34, /31-02
M39029/28 Pin Contacts • Coax (For MIL-DTL-38999 Series I, II, III, and IV Connectors)						
/28-211	6162-233-1277	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/28-409	6162-234-1277	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/28-414	6162-239-1277	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
M39029/29 Pin Contacts (For AS50151, MS5450, and MIL-DTL-83723 Series II Connectors)						
/29-212	0660-206-1631L	16	/14-03	/14-03	/1-01, /7-01	/1-02, /7-03
/29-213	0660-206-1282	12	/14-04	/14-04	M22750/1-01	/1-02
/29-214	0660-206-0882 (Silver)	8	—	/29-02	/23-01	—
/29-215	0660-206-0482 (Silver)	4	—	/29-03	/23-01	—
/29-216	0660-206-0082 (Silver)	0	—	/29-04	/23-01	—
M39029/30 Socket Contacts (For AS50151, MS5450, and MIL-DTL-83723 Series II Connectors)						
/30-217	0662-212-1631L 182-0400-16	16S/16	/14-03	/14-03	/1-01, /7-01	/1-02, /7-03
/30-218	0662-207-1631L	16	/14-03	/14-03	/1-01, /7-01	/1-02, /7-03
/30-219	0662-207-1282 (Silver)	12	/14-04	/14-04	/1-01	/1-02
/30-220	0662-207-0882 (Silver)	8	—	/29-02	/23-01	—
/30-221	0662-207-0482 (Silver)	4	—	/29-03	/23-01	—
/30-222	0662-207-0082 (Silver)	0	—	/29-04	/23-01	—
M39029/31 Pin Contacts (For MIL-DTL-26482 Series I and -26500 Connectors)						
/31-228	4160-203-1631L	16	/14-03, /17-04	/19-01	/1-01, /7-01	/1-02BLUE, /7-03
/31-229	4160-204-1631L	16	/14-03, /17-04	/19-01	/1-01, /7-01	/1-02BLUE, /7-03
/31-240	0004-058-100L	20	/14-10, /17-03	/19-06	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
/31-627	4160-202-2031L	20	/14-10, /17-03	/19-06	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
M39029/32 Socket Contacts (For MIL-DTL-26482 Series I and -26500 Connectors)						
/32-247	4162-201-1631L	16	/14-03, /17-04	/19-01	/1-01, /7-01	/1-02, /7-03
/32-248	4162-202-1631L	16	/14-03, /17-04	/19-01	/1-01, /7-01	/1-02, /7-03
/32-259	0007-008-100L	20	/14-10, /17-03	/19-06	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
/32-260	4109-207-2000L	20	/14-10, /17-03	/19-06	/1-01, /2-01, /7-01	/1-02, /2-02, /7-02
M39029/56 Socket Contacts (For MIL-DTL-38999 Series I, III, and IV and EN3645 Connectors)						
/56-348	38943-22L 724-0007-22 EN3155-009F2222	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-07, /7-05
/56-351	38943-20L 724-0007-20 EN3155-009F2020	20	/14-10, /8-05	/14-10, /8-06	/2-01, /7-01, /1-01	/2-10, /7-08, /1-04
/56-352	38943-16L 724-0007-16 EN3155-009F1616	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/56-353	38943-12L 724-0007-12 EN3155-009F1212	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating. For full plating, remove the trailing L.

Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.

For wire size, a double number indicates Mating End/Crimp End.

Contact Part No.		Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Positioner
Military	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts						
M39029/57 Socket Contacts (For MIL-DTL-38999 Series II, -24308, -83733, -55302, and EN4165 Connectors)						
/57-354	38946-22L 724-0003-22 EN3155-003F2222	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-06, /7-06
/57-357	38946-20L 724-0003-20 EN3155-003F2020	20	/14-02, /8-05	/14-02, /8-06	/2-01, /7-01, /1-01	/2-10, /7-08, /1-04
/57-358	38946-16L 724-0003-16 EN3155-003F1616	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/57-359	38946-12 724-0003-12 EN3155-003F1212	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04
M39029/58 Pin Contacts (For MIL-DTL-38999 Series I, II, III, and IV, -24308, -83733, -55302, EN3645, and EN4165 Connectors)						
/58-360	38941-22L 724-0001-22 EN3155-008M2222	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-09, /7-07
/58-363	38941-20L 724-0001-20 EN3155-008M2020	20	/14-10, /8-05	/14-10, /8-06	/2-01, /7-01, /1-01	/2-10, /7-08, /1-04
/58-364	38941-16L 724-0001-16 EN3155-008M1616	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/58-365	38941-12L 724-0001-12 EN3155-008M1212	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04
M39029/63 Socket Contacts (For MIL-DTL-24308 Connectors)						
/63-368	2562-201-2031L	20	/39-01, /1-02	/39-01, /1-02	/2-01	/2-08
M39029/64 Pin Contacts (For MIL-DTL-24308 Connectors)						
/64-369	2560-201-2031L	20	/39-01, /1-02	/39-01, /1-02	/2-01	/2-08
M39029/75 Socket Contacts • Coax (For MIL-DTL-38999 Series I, III, and IV Connectors)						
/75-416	6162-217-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-417	6162-218-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-418	6162-219-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-419	6162-220-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-421	6162-222-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-422	6162-223-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-423	6162-224-1277 (Au/Ni)	12	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
M39029/76 Pin Contacts • Coax (For MIL-DTL-38999 Series I, II, III, and IV and -24308 Connectors)						
/76-424	6162-229-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-02
/76-425	6162-230-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-02
/76-426	6162-231-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-02
/76-427	6162-232-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-02
M39029/77 Socket Contacts • Coax (For MIL-DTL-38999 Series I, III, and IV Connectors)						
/77-428	6162-213-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-429	6162-214-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-430	6162-215-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-431	6162-216-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
M39029/78 Socket Contacts • Coax (For MIL-DTL-38999 Series II and -24308 Connectors)						
/78-432	6162-253-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-433	6162-254-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-434	6162-255-1677 (Au/Ni)	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-435	6162-256-1677	16	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating. For full plating, remove the trailing L.
Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.
For wire size, a double number indicates Mating End/Crimp End.

Contact Part No.		Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Positioner
Military	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts						
M39029/83 Pin Contacts (For MIL-DTL-28840 Connectors)						
/83-450	2560-221-2031L	20/22	/33-01	/34-01	/34-01	/34-02
/83-451	2560-222-2031L	20/28	/33-01	/34-01	/34-01	/34-02
/83-508	2560-220-2031L	20	/33-01	/34-01	/34-01	/34-02
M39029/84 Socket Contacts (For MIL-DTL-28840 Connectors)						
/84-452	2562-214-2031L	20/22	/33-01	/34-01	/34-01	/34-02
/84-453	2562-215-2031L	20/28	/33-01	/34-01	/34-01	/34-02
/84-509	2562-213-2031L	20	/33-01	/34-01	/34-01	/34-02
M39029/90 Pin Contacts • Twinax (For MIL-DTL-38999 Series III and IV Connectors)						
/90-529	6162-283-0877	8	/14-12	/14-12	/2-01, /5-01	/2-37, /5-105
M39029/91 Socket Contacts • Twinax (For MIL-DTL-38999 Series III and IV Connectors)						
/91-530	6162-284-0877	8	/14-12	/14-12	/2-01, /5-01	/2-37, /5-105
M39029/101 Socket Contacts (For MIL-DTL-12883 Sockets and MIL-PRF-Relays)						
/101-553	1662-213-2031L	20	/16-01	/16-01	/7-01, /1-01	/7-12
/101-554	1662-213-1631L	16	/16-02	/16-02	/7-01	/7-13
M39029/102 Pin Contacts • Coax (For MIL-DTL-38999 Series III and IV Connectors)						
/102-558	6162-324-1231	12	/8-09, /14-04	/8-10, /14-04	/5-01	—
M39029/103 Socket Contacts • Coax (For MIL-DTL-38999 Series III and IV Connectors)						
/103-559	6162-325-1231	12	/8-09, /14-04	/8-10, /14-04	/5-01	—
M39029/106 Socket Contacts (For MIL-DTL-38999 Series III and IV, AS29600 Series A, and EN3645 Connectors)						
/106-614	12333-22 182-0447-22	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-07, /7-05
/106-615	12333-20 182-0447-20	20	/14-10, /8-05	/14-10, /8-06	/1-01, /2-01, /7-01	/1-04, /2-10, /7-08
/106-616	12333-16 182-0447-16	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/106-617	12333-12 182-0447-12	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04
M39029/107 Pin Contacts (For MIL-DTL-38999 Series III and IV, AS29600 Series A, and EN3645 Connectors)						
/107-620	12331-22 182-0441-22	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-07, /7-05
/107-621	12331-20 182-0441-20	20	/14-10, /8-05	/14-10, 8-06	/1-01, /2-01, /7-01	/1-04, /2-10, /7-08
/107-622	12331-16 182-0441-16	16	/14-03, /8-07	/14-10, 8-06	/1-01, /7-01	/1-04, /7-04
/107-623	12331-12 182-0441-12	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating.

For full plating, remove the trailing L.

Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.

For wire size, a double number indicates Mating End/Crimp End.

Empower Engineers to Solve Problems, Moving the World Forward.

AMP | AGASTAT | CII | DEUTSCH | DRI | HARTMAN | KILOVAC
MICRODOT | NANONICS | POLAMCO | Raychem | SEACON

CONNECT WITH US

We make it easy to connect with our experts and are ready to provide all the support you need. Visit te.com/support to chat with a Product Information Specialist.

QUALITY STARTS WITH THE RIGHT APPLICATION TOOLING

Creating a quality crimp connection is essential to delivering high performance and reliability in extreme environments. From low to high volume wire processing, TE has you covered with a full range of application tooling and a global field service team.

- [View all application tooling](#)
- [Connect with our experts to find the right tool for your application](#)

te.com

AMP, AGASTAT, CII, DEUTSCH, DRI, HARTMAN, KILOVAC, MICRODOT, NANONICS, POLAMCO, Raychem, SEACON, TE, TE Connectivity, and TE connectivity (logo) are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2023 TE Connectivity All Rights Reserved.

1-1773735-3 05/23

DEUTSCH CONTACTS QRG

TE Connectivity
Aerospace, Defense & Marine
2900 Fulling Mill Road
Middletown, PA 17057

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6162-218-1277](#)