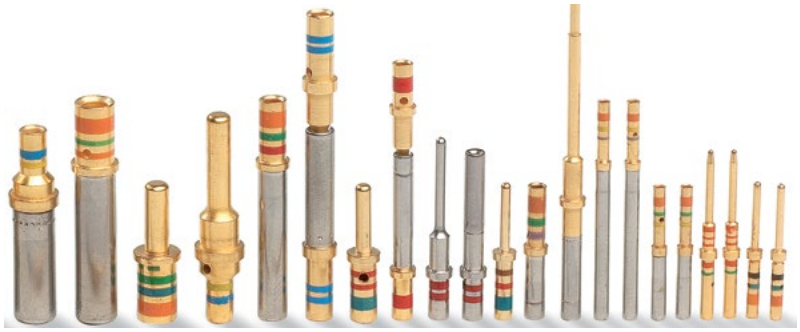






DEUTSCH QPL CONTACTS QUICK REFERENCE GUIDE

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	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

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.
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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						
M39029/63 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

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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	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-07, /7-05
/106-615	12333-20	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	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/106-617	12333-12	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	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-07, /7-05
/107-621	12331-20	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	16	/14-03, /8-07	/14-10, 8-06	/1-01, /7-01	/1-04, /7-04
/107-623	12331-12	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04

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