



DEUTSCH CONTACTS

THE PERFORMANCE LEADER
FOR QPL CONTACTS

QUICK REFERENCE GUIDE

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.	TE	Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Positioner
Millitary		AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts						
M39029 Pin Contacts (For AS3500 Series III and IV Connectors)						
/18-176	81541-238	23	/16-04	/16-04	/2-01	/2-13
/18-177	81541-23	23	/16-04	/16-04	/2-01	/2-13
/18-178	81541-20	20	/16-01	/16-01	/2-01, /7-01	/2-14, /7-02
/18-179	81541-16	16	/16-02	/16-02	/2-01, /7-01	/2-15, /7-03
/18-180	81541-12	12	/16-03	/16-03	/1-01	/1-09
M39029 Pin Contacts (For AS3700 Series (Thermal System) and AS3500 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	—
M39029 Pin Contacts - Coax (For MIL-DTL-38999 Series I, II, III, and IV Connectors)						
/28-211	6162-233-1277	—	/8-09	—	—	—
/28-409	6162-234-1277	—	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/28-414	6162-239-1277	—	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
M39029 Pin Contacts (For AS3500, MS5500, and MIL-DTL-38999 Series I 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 Pin Socket Contacts (For AS3500, MS5500, and MIL-DTL-38999 Series I 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	/23-02	—
/30-222	0662-207-0082 (Silver)	0	—	/29-04	/23-03	—
M39029 Pin Contacts (For MIL-DTL-25000 Series I and II Connectors)						
/31-228	4160-203-1631L	16	/14-03, /17-04	/19-01	/1-01	—
/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 Pin Socket Contacts (For MIL-DTL-25000 Series I and II Connectors)						
/32-247	4162-201-1631L	16	/14-03, /14-04	/19-01	/1-01, /7-01	/1-02, /7-03
/32-248	4162-202-1631L	16	/14-03, /14-04	/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 Pin Socket Contacts (For MIL-DTL-38999 Series I, II, and III Connectors)						
/56-348	38943-22L 724-0007-22 EN3155-009F2222	22/22D	/14-01, /8-02	/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.

Military	Contact Part No.	Contact Size	Insertion / Removal Tool		Crimping	
			Insertion	Withdraw	Crimp Tool	Position
	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.
M39029 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/57-354	38946-22L <i>724-0003-22EN3155-003F2222</i>	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-06, /7-06
/57-357	38946-20L <i>724-0003-20 EN3155-003F2020</i>	20	/14-02, /8-05	/14-02, /8-08	/2-01, /7-01, /1-01	/2-10, /7-08, /1-04
/57-358	38946-16L <i>724-0003-16 EN3155-003F1616</i>	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/57-359	38946-12L <i>724-0003-12 EN3155-003F1212</i>	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/58-360	38941-22L <i>724-0001-22 EN3155-008M2222</i>	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-01	/2-09, /7-07
/58-363	38941-20L <i>724-0001-22 EN3155-008M2020</i>	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 <i>724-0001-16 EN3155-008M1616</i>	16	/14-03, /8-07	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
/58-365	38941-12L <i>724-0001-12 EN3155-008M1212</i>	12	/14-04, /8-09	/14-04, /8-10	/1-01	/1-04
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/63-368	2562-201-2031L	20	/39-01, /1-02	/39-01, /1-02	/2-01	/2-08
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/64-369	2560-201-2031L	20	/39-01, /1-02	/39-01, /1-02	/2-01	/2-08
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/75-416	6162-217-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-417	6162-218-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-418	6162-219-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-419	6162-220-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-421	6162-222-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-422	6162-223-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
/75-423	6162-224-1277 (Au/Ni)	-	/8-09, /14-04	/8-10, /14-04	/2-01, /31-01	/2-34, /31-02
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/76-424	6162-229-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-01
/76-425	6162-230-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-01
/76-426	6162-231-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-01
/76-427	6162-232-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, /14-03	/2-01, /4-01	/2-35, /4-01
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/77-428	6162-213-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-429	6162-214-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-430	6162-215-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/77-431	6162-216-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
M39029/39 Contacts (For MIL-DTL-38999 Series I, III, and IV - 2400, 2401, 2402, 2403, and 2405 Connectors)						
/78-432	6162-253-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-433	6162-254-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-434	6162-255-1677 (Au/Ni)	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02
/78-435	6162-256-1677	-	/8-07, /14-03	/8-08, 14-03	/2-01, /4-01	/2-35, /4-02

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Military	Contact Part No.	Contact Size	Insertion / Removal Tool		Crimping		
			Insertion	Withdraw	Crimp Tool	Positioner	
	TE	AWG	M81969 Slash No.	M81969 Slash No. (Wired)	M22520 Slash No.	M22520 Slash No.	
M39029 Contacts							
M39029/83 Pin Contacts (For MIL-DTL-23800 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-23840 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 - D-Type (For MIL-DTL-38999 Series III and IV Connectors)							
	/90-529	6162-283-0877	—	/14-12	/14-12	/2-01, /5-01	/2-37, /5-105
M39029/91 Socket Contacts - D-Type (For MIL-DTL-38999 Series III and IV Connectors)							
	/91-530	6162-284-0877	—	/14-12	/14-12	/2-01, /5-01	/2-37, /5-105
M39029/101 Socket Contacts (For MIL-DTL-38999 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 - Gax (For MIL-DTL-38999 Series II and IV Connectors)							
	/102-558	6162-324-1231	—	/8-09, /14-04	/8-10, /14-04	/5-01	—
M39029/103 Socket Contacts - Gax (For MIL-DTL-38999 Series II and IV Connectors)							
	/103-559	6162-325-1231	—	/8-09, /14-04	/8-10, /14-04	/5-01	—
M39029/106 Socket Contacts (For MIL-DTL-38999 Series III and IV, MS29600 Series A, and E (36-45 Connectors))							
	/106-614	12333-22 182-0447-22	22/22D	/14-01, /8-01	/14-01, /8-02	/2-01, /7-07	/2-07, /7-05
	/106-615	12333-20 182-0447-20	20	/14-10, /8-07	/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	/7-01	/1-04
M39029/107 Pin Contacts (For MIL-DTL-38999 Series II and IV, MS29600 Series A, and E (36-45 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	/14-03, /8-08	/1-01, /7-01	/1-04, /7-04
	/107-623	12331-12 182-0441-12	12	/14-04, /8-09	/14-03, /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.
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