



Signal Crimp Contacts						
Size	Gender	Contact Part Number	Crimp Tool	Positioner	Insertion Tool	Extraction Tool
D38999 QPL and Commercial Contacts						
23	Pin	M39029/122-670	809-015 M22520/2-01	859-210 M22520/2-13	859-163 M81969/1-05	859-163 M81969/1-05
23	Skt	M39029/121-663	809-015 M22520/2-01	859-211 M22520/2-16	859-163 M81969/1-05	859-163 M81969/1-05
22	Pin	850-002-22-360 M39029/58-360	809-015 M22520/2-01	859-018 M22520/2-09	859-020 M81969/14-01	859-020 M81969/14-01
22	Skt	850-001-22-348 M39029/56-348	809-015 M22520/2-01	809-369 M22520/2-07	859-020 M81969/14-01	859-020 M81969/14-01
20	Pin	850-002-20-363 M39029/58-363	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
			809-136 M22520/1-01	809-137 M22520/1-04 (Red)		
20	Skt	800-001-20-351 M39029/56-351	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
			809-136 M22520/1-01	809-137 M22520/1-04 (Red)		
16	Pin	850-002-16-364 M39029/58-364	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03
16	Skt	850-001-16-352 M39029/56-352	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03
12	Pin	850-002-12-365 M39029/58-365	809-136 M22520/1-01	809-137 M22520/1-04 (Yellow)	809-132 M81969/14-04	809-132 M81969/14-04
12	Skt	850-001-12-353 M39029/56-353	809-136 M22520/1-01	809-137 M22520/1-04 (Yellow)	809-132 M81969/14-04	809-132 M81969/14-04
Thermocouple Contacts						
23	Pin	857-104	809-015 M22520/2-01	859-210 M22520/2-13	859-163 M81969/1-05	859-163 M81969/1-05
23	Skt	857-105	809-015 M22520/2-01	859-211 M22520/2-16	859-163 M81969/1-05	859-163 M81969/1-05
22	Pin	850-181-22	809-015 M22520/2-01	859-018 M22520/2-09	859-020 M81969/14-01	859-020 M81969/14-01
22	Skt	850-183-22	809-136 M22520/2-01	809-369 M22520/2-07	859-020 M81969/14-01	809-020 M81969/14-01
20	Pin	850-181-20	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
20	Skt	850-183-20	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
16	Pin	850-181-16	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03
16	Skt	850-183-16	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03



Signal Crimp Contacts						
Size	Gender	Contact Part Number	Crimp Tool	Positioner	Insertion Tool	Extraction Tool
Extended Durability D38999 Contacts						
22	Pin	850-007-22-620 M39029/107-620	809-015 M22520/2-01	859-018 M22520/2-09	859-020 M81969/14-01	859-020 M81969/14-01
22	Skt	850-006-22-614 M39029/106-614	809-015 M22520/2-01	809-369 M22520/2-07	859-020 M81969/14-01	859-020 M81969/14-01
20	Pin	850-007-20-621 M39029/107-621	809-136 M22520/1-01	809-137 M22520/1-04 (Red)	809-207 M81969/14-10	809-207 M81969/14-10
			809-015 M22520/2-01	M22520/2-10		
20	Skt	850-006-20-615 M39029/106-615	809-136 M22520/1-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
			809-015 M22520/2-01	M22520/2-10		
16	Pin	850-007-16-622 M39029/107-622	809-136 M22520/1-01	809-137 M22520/1-04 (blue)	809-131 M81969/14-03	809-131 M81969/14-03
16	Skt	850-006-16-616 M39029/106-616	809-136 M22520/1-01	809-137 M22520/1-04 (blue)	809-131 M81969/14-03	809-131 M81969/14-03
12	Pin	850-007-12-623 M39029/107-623	809-136 M22520/1-01	809-137 M22520/1-04 (yellow)	809-132 M81969/14-04	809-132 M81969/14-04
12	Skt	850-006-12-617 M39029/106-617	809-136 M22520/1-01	809-137 M22520/1-04 (yellow)	809-132 M81969/14-04	809-132 M81969/14-04
SuperNine 233-205 and 233-206 Extended Durability Connector Contacts						
23	Pin	857-189 (AS39029/18 Type)	809-015 M22520/2-01	859-210 M22520/2-13	M81969/1-05	M81969/1-05
23	Skt	857-190 (AS39029/17 Type)	809-015 M22520/2-01	M22520/2-16	M81969/1-05	M81969/1-05
22	Pin	857-151-22 (IAW M39029/58-360)	809-015 M22520/2-01	859-018 M22520/2-09	859-020 M81969/14-01	859-020 M81969/14-01
22	Skt	857-150-22 (IAW M39029/56-348)	809-015 M22520/2-01	809-369 M22520/2-07	859-020w M81969/14-01	859-020 M81969/14-01
20	Pin	857-151-20 (IAW M39029/58-363)	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
			809-136 M22520/1-01	809-137 M22520/1-04 (Red)		
20	Skt	857-150-20 (IAW M39029/56-351)	809-015 M22520/2-01	M22520/2-10	809-207 M81969/14-10	809-207 M81969/14-10
			809-136 M22520/1-01	809-137 M22520/1-04 (Red)		
16	Pin	857-151-16 (IAW M39029/58-364)	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03
16	Skt	857-150-16 (IAW M39029/56-352)	809-136 M22520/1-01	809-137 M22520/1-04 (Blue)	809-131 M81969/14-03	809-131 M81969/14-03
12	Pin	857-151-12 (IAW M39029/58-365)	809-136 M22520/1-01	809-137 M22520/1-04 (Yellow)	809-132 M81969/14-04	809-132 M81969/14-04
12	Skt	857-150-12 (IAW M39029/56-353)	809-136 M22520/1-01	809-137 M22520/1-04 (Yellow)	809-132 M81969/14-04	809-132 M81969/14-04

Shielded Contact Assembly Tools									
Contact P/N	Cable Accomodated		Gender	Size	Inner Contact		Cable Shield Hex		Insertion/ Removal Tool
					Tool	Positioner	Tool	Hex Die	
852-008 M39029/76	RG174, RG316, RG178, RG179		Pin	16	809-015 M22520/2-01	809-125 M22520/2-35	809-127 M22520/4-01	809-126 M22520/4-02	809-131 M81969/14-03
852-009 M39029/77	RG174, RG316, RG178, RG179		Skt	16	809-015 M22520/2-01	809-125 M22520/2-35	809-127 M22520/4-01	809-126 M22520/4-02	809-131 M81969/14-03
852-004 M39029/102	RG174, RG179, RG180, RG316		Pin	12	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01	809-130 M22520/5-03	809-132 M81969/14-04
852-005 M39029/103	RG174, RG179, RG180, RG316		Skt	12	809-015 M22520/2-01	859-123 K1457 (DMC)	809-129 M22520/5-01	809-130 M22520/5-03	809-132 M81969/14-04
852-006 M39029/59-366	RG180		Skt	8	809-015 M22520/2-01	859-050 M22520/2-31	809-129 M22520/5-01	859-051 M22520/5-05	859-049 M81969/14-12 Removal
852-007 M39029/60-367	RG180		Pin	8	809-015 M22520/2-01	859-050 M22520/2-31	809-129 M22520/5-01	859-051 M22520/5-05	859-049 M81969/14-12 Removal
852-082-XX	Dash: -01	PIC Cable: V78209	Pin	8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01	859-007 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	Times Microwave LMR-240-75		8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01	859-007 M22520/5-45	
	Dash: -03	Falmat: Deep Mini RG59 P/N: FM030115-4		8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01		
852-083-XX	Dash: -01	PIC Cable: V78209	Skt	8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01	859-007 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	Times Microwave LMR-240-75		8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01	859-007 M22520/5-45	
	Dash: -03	Falmat: Deep Mini RG59 P/N: FM030115-4		8	809-015 M22520/2-01	859-240 M22520/2-37	809-129 M22520/5-01		
852-030-XX	Dash: -01	M17/152-00001 (RG316DS),	Skt	8	Solder Contact		809-129 M22520/5-01	809-130 M22520/5-03	859-049 M81969/14-12 Removal
	Dash: -02	M17/113-RG316		8			809-129 M22520/5-01	809-130 M22520/5-03	
	Dash: -03	M17/060-RG142; M17/12/-RG400		8			809-129 M22520/5-01	859-047 or 859-007 M22520/5-45	
	Dash: -04	M17/28-RG58		8			809-129 M22520/5-01	859-047 or 859-007 M22520/5-45	
852-031-XX	Dash: -01	M17/152-00001 (RG316DS),	Pin	8	Solder Contact		809-129 M22520/5-01	809-130 M22520/5-03	859-049 M81969/14-12 Removal
	Dash: -20	M17/113-RG316		8			809-129 M22520/5-01	809-130 M22520/5-03	
	Dash: -03	M17/060-RG142; M17/12/-RG400		8			809-129 M22520/5-01	859-047 or 859-007 M22520/5-45	
	Dash: -04	M17/28-RG58		8			809-129 M22520/5-01	859-047 or 859-007 M22520/5-45	

MIL-DTL-38999 Series III Type

RF crimp contact tool cross reference

CONTACTS AND TOOLS

Shielded Contact Assembly Tools									
Contact P/N	Cable Accomodated		Gender	Size	Inner Contact		Cable Shield Hex		Insertion/ Removal Tool
					Tool	Positioner	Tool	Hex Die	
852-042	LLSB-200, and LMR-195		Skt	8	Solder Contact		809-129 M22520/5-01	859-051 M22520/5-05	859-049 M81969/14-12 Removal
852-043	LLSB-200, and LMR-195		Pin	8	Solder Contact		809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
852-056 75 ohm	Dash: -01	V75268, V76261, V73263	Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	RG179		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	809-130 M22520/5-03	
852-057 75 ohm	Dash: -01	V75268, V76261, V73263	Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	RG179		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	809-130 M22520/5-03	
853-003 (M39029/113)	M17/176-00002		Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-048 M22520/5-105	859-049 M81969/14-12 Removal
853-004 (M39029/114)	M17/176-00002		Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-048 M22520/5-105	859-049 M81969/14-12 Removal
853-013	M17/176-00002		Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
853-014	M17/176-00002		Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
853-017	Raychem EPD 32263		Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
853-018	Raychem EPD 32263		Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
853-024-XX	Dash: -01	McDonnell Douglas ST5M1212-002	Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	Raychem 7726D0664							
853-025-XX	Dash: -01	Raychem 7726D0664	Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	McDonnell Douglas ST5M1212-002							

Shielded Contact Assembly Tools									
Contact P/N	Cable Accomodated		Gender	Size	Inner Contact		Cable Shield Hex		Insertion/ Removal Tool
					Tool	Positioner	Tool	Hex Die	
854-001-XX	Dash: -01	Tensolite NF26Q100	Pin	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	Tensolite NF24Q100, PIC E51424		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -03	Draka Fileca F 4704-6		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -04	Draka Fileca F 4704-4		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -05	Tensolite NF22Q100		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
854-002-XX	Dash: -01	Tensolite NF26Q100	Skt	8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	859-049 M81969/14-12 Removal
	Dash: -02	Tensolite NF24Q100, PIC E51424		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -03	Draka Fileca F 4704-6		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -04	Draka Fileca F 4704-4		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	
	Dash: -05	Tensolite NF22Q100		8	809-015 M22520/2-01	859-072 809-240 M22520/2-37	809-129 M22520/5-01	859-007 or 859-047 M22520/5-45	

- Inner contacts, outer contact, ferrules, retaining nut: copper alloy, 50 microinches gold over nickel plating
- Insulators:
 El Ochito® White: PPS, natural color
 El Ochito® Blue: low-dielectric constant thermoplastic, blue
 El Ochito® Red: low-dielectric constant thermoplastic, red
- O-ring: fluorosilicone
- Heatsrink tubing: PVDF
- Contact release sleeve: stainless steel, passivated
- Sealing boot grommet: fluorosilicone
- Sealing boot body: rigid thermoplastic, PEI or equivalent
- Spline, El Ochito® White: copper alloy, nickel plating
- Spline, El Ochito® Red and Blue: Polyimide