DEUTSCH SOLID CONTACTS FOR COPPER CABLES

INDUSTRY STANDARD CONTACTS

HARSH ENVIRONMENT SOLID CONTACTS

// EN3155 certified
// Standard Temperature Rating to 200°C
// Jet Engine Applications to 260°C (ESC)
// 1400 Solid Contact Part Selection Range
// Signal/Power/Thermocouple/Data

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DEUTSCH
SOLID CONTACTS FOR COPPER CABLES

HARSH ENVIRONMENT APPLICATIONS

- High Temperature Ratings: Standard 200°C / Jet Engine to 260°C
- NRG Band contacts with upgraded vibration resistance for jet engines

INDUSTRIALISATION

- Certified production process (EN9001 and EN9100)
- Strategic manufacturing locations in 2 geographical areas for worldwide distribution

RELIABILITY

- EN3155 certification
- Customer Qualified Part Lists (QPL)

WIDE OFFERING

- More than 1400 references (standard and specific)

TE Connectivity (TE) offers a complete range of solid contacts integrated into most of TE's DEUTSCH connectors currently available on aerospace, defense, and marine markets.

These contacts are designed for standard applications up to 200°C, but also to help withstand higher temperatures and higher vibration constraints up to 260°C for engine applications.

According to markets, and customer needs, our contacts can be qualified to the EN3155 standard or to specific customer standards such as ESC or ABS qualifications. In order to know the latest qualification status of our contacts, please consult us.
The EN3155 standards mentioned in this catalog are subject to normative evolutions.

Main contact families are :

SIGNAL CRIMP CONTACTS

- **AWG #24 to 12**

THERMOCOUPLE CONTACTS

- **AWG #22 to 12**

POWER CRIMP CONTACTS

- **AWG #10 to 0**

ACCESSORIES

- **Crimp tool**
- **Positioner**
- **Insertion/Extraction tool**
- **Sealing plugs**
- **Dummy contacts**

DATA CONTACTS

- **Coax**
- **Triax**
- **Quadrax**
- **Twinax**

TE Components . . . TE Technology . . . TE Know-how . . .
AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem SEACON | Rochester | DEUTSCH

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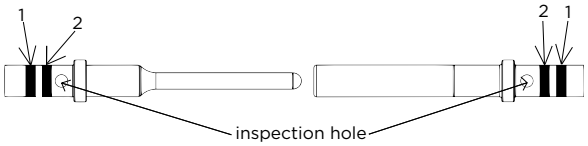
EN3155 color coding

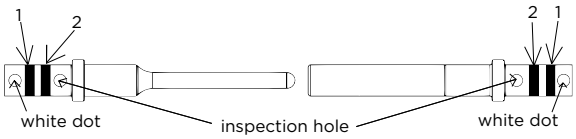
Band 1 defines the conductor section, and band 2 defines the active area size.
If the conductor section and the active area have the same size, then the contact can be identified by a single color band.

Contacts references containing an “A” suffix indicate a “selective gold plating” for temperatures up to 200°C (i.e.006-0937-20 A).

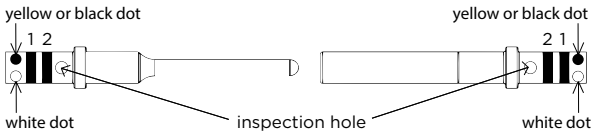
Color Coding
Pin and Socket: EN3155 (200°C)



Color Coding
Pin and Socket: EN3155 (260°C)



Color Coding
Pin and Socket: EN3155 (Thermocouple)



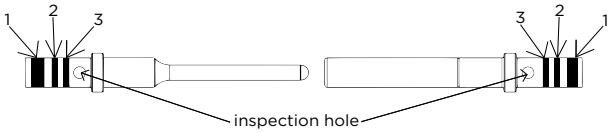
Contact material :

By default our contacts are manufactured in copper alloy.
Type K Contacts are defined as below :
Kp = 90% nickel and 10% chromium ;
Kn = 95 % nickel, 2% aluminium and 3 % others

Size	24	23	22	20	16	12	10	8	4	0
Band 1	black	purple	green	red	blue	yellow	white	red	blue	yellow

AWG	26-30	24-28	22-26	22-28	20-24	18-22	18-24	16-20	14-18	14-20	12-14	10-12
Band 2	white	grey	green	black	red	purple	brown	blue	orange	white	yellow	brown

Color Coding
Pin and Socket Contacts : AS39029



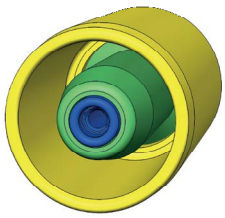
0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	purple
8	grey
9	white

M39029/XX-**XXX** : the three last figures indicate the colors of the contact - example : M39029/57-354
354 = orange-green-yellow

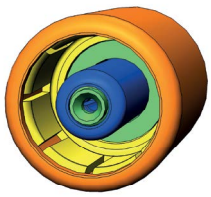
Band 1 is two times wider than the two other bands.
AS39029 contacts don’t have enlarged or reduced barrel

Data Contacts

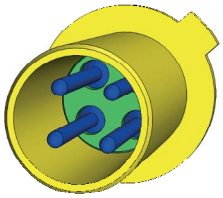
Coax



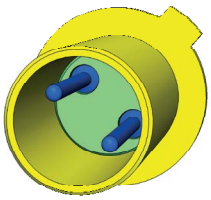
Triax



Quadrax



Twinax



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Signal and Power Contacts

DMC-M Series Contacts
EN4165

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
24	724-0001-24	-	-	-	P	-	-	-	-	standard
	724-0003-24	-			S					
23	182-4043-23	-	-	-	P	-	Green-Purple	-	-	standard
	182-4042-23	-			S					
22	724-0001-22	-	M39029/58-360	EN3155-008M2222	P	Orange-Blue-Black	-	-	-	standard
	724-0003-22	-	M39029/57-354	EN3155-003F2222	S	Orange-Green-Yellow				
22	182-0860-22*	-	-	EN3155-070M2220	P	-	Red-Green	-	-	enlarged
	182-0862-22*	-		EN3155-071F2220	S					
22 (Shunt)	724-1272-22	-	-	EN3155-082F2222	S	-	-	-	-	standard
20	724-0001-20	-	M39029/58-363	EN3155-008M2020	P	Orange-Blue-Orange	-	-	-	standard
	724-0003-20	-	M39029/57-357	EN3155-003F2020	S	Orange-Green-Purple				
20	724-1063-20	-	-	EN3155-008M2018	P	-	Brown-Red	-	-	enlarged
	724-1064-20	-		EN3155-003F2018	S					
16	724-0001-16	-	M39029/58-364	EN3155-008M1616	P	Orange-Blue-Yellow	-	-	-	standard
	724-0003-16	-	M39029/57-358	EN3155-003F1616	S	Orange-Green-Grey				
16	724-1063-16	-	-	EN3155-008M1614	P	-	White-Blue	-	-	enlarged
	724-1064-16	-		EN3155-003F1614	S					
12	724-0001-12	-	M39029/58-365	EN3155-008M1212	P	Orange-Blue-Green		-	-	standard
	724-0003-12	-	M39029/57-359	EN3155-003F1212	S	Orange-Green-White				
12	724-1063-12	-	-	-	P	-	White-Yellow	-	-	enlarged
	724-1064-12	-			S					
08 (Power)	724-0001-08	-	-	-	P	-	-	-	-	standard
	724-0003-08	-			S					
08 (Power)	182-0001-08	-	-	-	P	-	-	-	-	standard
	182-0003-08	-			S					
08 (Power)	182-0393-08	-	-	-	P	-	-	-	-	reduced
	182-0394-08	-			S	-	-			

* flange diameter 1.8

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Signal and Power Contacts

DMC-M Series Contacts - Tooling
EN4165

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
24-26	0.15 - 0.25	600300-24 (black)	057-0463-12	M22520/2-01	057-1030-02 057-1030-01	-	605837-ZZ
22-26	0.15 - 0.40	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0515-32	M22520/2-09 M22520/2-06	M81969/14-01 057-0286-22
22-26	0.15 - 0.40	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0515-32	M22520/2-09 M22520/2-06	M81969/14-01 057-0286-22
20-24	0.25 - 0.60	028-0108-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0515-32	M22520/2-09 M22520/2-06	M81969/14-01 057-0286-22
22-26	0.15 - 0.40	028-0108-22 (yellow)	057-0463-12	M22520/2-01	057-0515-32	M22520/2-06	M81969/14-01 057-0286-22
20-24	0.25 - 0.60	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-10
18-24	0.25 - 1.00	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-10
16-20	0.60 - 1.20	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-03
14-20	0.60 - 2.00	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-03
12-14	2.00 - 3.00	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-04
10-12	3.00 - 5.00	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	-
8	8.98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08
8	8.98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08
10	5	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08

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Signal and Power Contacts

DTS-K/DTS-S Series Contacts
MIL-DTL-38999 III / EN3645

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
22	724-0001-22	-	M39029/58-360	EN3155-008M2222	P	Orange-Blue-Black	-	-	-	standard
	724-0007-22	-	M39029/56-348	EN3155-009F2222	S	Orange-Yellow-Grey				
22	182-0441-22*	-	M39029/107-620	-	P	Blue-Red-Black	-	-	-	standard
	182-0447-22*	-	M39029/106-614		S	Blue-Brown-Yellow				
20	724-0001-20	-	M39029/58-363	EN3155-008M2020	P	Orange-Blue-Orange	-	-	-	standard
	724-0007-20	-	M39029/56-351	EN3155-009F2020	S	Orange-Green-Brown				
20	724-1105-20	-	-	-	P	-	Green-Red	-	-	reduced
	724-1106-20	-			S					
20	182-0068-20	-	-	-	P	-	Red-Red	Black	Kn	standard
	182-0009-20	-			S	Yellow-Grey-Purple	-			
20	182-0069-20	-	-	-	P	-	Red-Red	Yellow	Kp	standard
	182-0010-20	-			S	Yellow-Grey-Grey	-			
20	182-0441-20*	-	M39029/107-621	-	P	Blue-Red-Brown	-	-	-	standard
	182-0447-20*	-	M39029/106-615		S	Blue-Brown-Green				
16	724-0001-16	-	M39029/58-364	EN3155-008M1616	P	Orange-Blue-Yellow	-	-	-	standard
	724-0007-16	-	M39029/56-352	EN3155-009F1616	S	Orange-Green-Red				
16	182-0441-16*	-	M39029/107-622	-	P	Blue-Red-Red	-	-	-	standard
	182-0447-16*	-	M39029/106-616		S	Blue-Brown-Blue				
12	724-0001-12	-	M39029/58-365	EN3155-008M1212	P	Orange-Blue-Green	-	-	-	standard
	724-0007-12	-	M39029/56-353	EN3155-009F1212	S	Orange-Green-Orange				
12	182-0441-12*	-	M39029/107-623	-	P	Blue-Red-Orange	-	-	-	standard
	182-0447-12*	-	M39029/106-617		S	Blue-Brown-Purple				
8	182-0001-08	-	-	-	P	-	-	-	-	standard
	182-0003-08	-			S					
8	724-0001-08	-	-	-	P	-	-	-	-	standard
	724-0003-08	-			S					

* 1500 cycles

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Signal and Power Contacts

DTS-K/DTS-S Series Contacts - Tooling
MIL-DTL-38999 III / EN3645

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0468-32	M22520/2-09 M22520/2-07	M81969/14-01 057-0286-22
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0468-32	M22520/2-09 M22520/2-07	M81969/14-01 057-0286-22
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
26-30	0.055 - 0.15	006-0893-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-12 006-0902-12
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-12 006-0902-12
8	8.98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08
8	8.98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08

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Signal and Power Contacts

DTS-K/DTS-S Series Contacts
MIL-DTL-38999 III Classes K and S / EN3645 class K

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
22	724-0001-22	-	M39029/58-360	EN3155-008M2222	P	Orange-Blue-Black	-	-	-	standard
	724-0007-22	-	M39029/56-348	EN3155-009F2222	S	Orange-Yellow-Grey				
20	724-0001-20	-	M39029/58-363	EN3155-008M2020	P	Orange-Blue-Orange	-	-	-	standard
	097-0236-20*	-	M39029/56-351	-	S	Orange-Green-Brown				
20	724-0001-20	-	M39029/58-363	EN3155-008M2020	P	Orange-Blue-Orange	-	-	-	standard
	724-0007-20	-	M39029/56-351	EN3155-009F2020	S	Orange-Green-Brown				
20	182-0068-20	-	-	-	P	-	Red-Red	Black	Kn	standard
	182-0009-20	-			S	Yellow-Grey-Purple	-			
20	182-0069-20	-	-	-	P	-	Red-Red	Yellow	Kp	standard
	182-0010-20	-			S	Yellow-Grey-Grey	-			
20	724-1063-20	-	-	EN3155-008M2018	P	-	Brown-Red	-	-	Enlarged
	724-1079-20	-		EN3155-009F2018	S	-				
16	724-0001-16	-	M39029/58-364	EN3155-008M1616	P	Orange-Blue-Yellow	-	-	-	standard
	097-0236-16*	-	M39029/56-352	-	S	Orange-Green-Red				
16	724-0001-16	-	M39029/58-364	EN3155-008M1616	P	Orange-Blue-Yellow	-	-	-	standard
	724-0007-16	-	M39029/56-352	EN3155-009F1616	S	Orange-Green-Red				
12	724-0001-12	-	M39029/58-365	EN3155-008M1212	P	Orange-Green-Orange	-	-	-	standard
	097-0236-12*	-	M39029/56-353	-	S	Orange-Blue-Orange				
12	724-0001-12	-	M39029/58-365	EN3155-008M1212	P	Orange-Green-Orange	-	-	-	standard
	724-0007-12	-	M39029/56-353	EN3155-009F1212	S	Orange-Blue-Orange				
08	182-0393-08	-	-	-	P	-	-	-	-	standard
	182-0394-08	-			S	-				
08	724-0001-08	-	-	-	P	-	-	-	-	standard
	724-0003-08	-			S	-				
08	182-4037-08	-	-	EN3155-065M0808	P	-	Red	-	-	standard
	182-4038-08	-		EN3155-083F0808	S	-				
08	182-4034-08	-	-	EN3155-065M0810	P	-	White-Red	-	-	reduced
	182-4035-08	-		EN3155-065M0810	S	-				

* NRG band contacts

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Signal and Power Contacts

DTS-K/DTS-S Series Contacts - Tooling
MIL-DTL-38999 III Classes K and S / EN3645 class K

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32 057-0468-32	M22520/2-09 M22520/2-07	M81969/14-01 057-0286-22
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-20 006-0902-20
18-24	0,25-1	-	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M81969/14-10
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-12 006-0902-12
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-12 006-0902-12
8	8,98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08
8	8,98	-	057-0540-10	M300BT	057-0065-05 A	SP593	M81969/14-06 057-0286-08
8	8,98	-	057-0540-10	M300BT	057-1036-08	-	M81969/14-06 057-0286-08
10	5	-	057-0540-10	M300BT	057-1036-08	-	M81969/14-06 057-0286-08

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Signal and Power Contacts

FAST Series Contacts
EN3545

Signal

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands			Wire Range	
						AS39029	EN3155	Barrel	AWG	mm²
22	724-0001-22	-	M39029/58-360	EN3155-008M2222	P	Orange-Blue-Black	-	standard	22-26	0.15 - 0.4
	724-0003-22	-	M39029/57-354	EN3155-003F2222	S	Orange-Green-Yellow				
20	182-0120-20	-	-	EN3155-014M2018	P	-	Brown-Red	standard	18-24	0.25 - 1
	182-0118-20	-	-	EN3155-015F2018	S	-				
16	724-0001-16	-	M39029/58-364	EN3155-008M1616	P	Orange-Blue-Yellow	-	standard	16-20	0.6 - 1.2
	724-0003-16	-	M39029/57-358	EN3155-003F1616	S	Orange-Green-Grey				
16	724-1063-16	-	-	EN3155-008M1614	P	-	White-Blue	enlarged	14-20	0.6 - 2
	724-1064-16	-	-	EN3155-003F1614	S	Yellow-Grey-Purple				

Power K6

Kit contact (contacts + sleeve)			Wire size AWG	Decomposition of the kit		Color Bands
Commercial Part No.	ABS reference	Type		Contact Part No.	Sleeve	
182-0672-06	ABS1403-1K6KZ06	P	6	182-0657-06	182-0601-06 ABS0992B03	Green-Green
182-0704-06	ABS1344-1K6LZ06	S		182-0700-06		
182-0672-08	ABS1403-1K6KZ08	P	8	182-0661-06	182-0601-08 ABS0992B01	Green-Red
182-0704-08	ABS1344-1K6LZ08	S		182-0701-06		
182-0672-10	ABS1403-1K6KZ10	P	10	182-0664-06	182-0601-10 ABS0992B02	Green-Brown
182-0704-10	ABS1403-1K6KZ10	S		182-0702-06		

Dummy contact

Active area / Mating Size	Part No.	ASNE Ref.
20	182-0899-20	ASNE0397FY2000
16	182-4114-16	ASNE0397FY1600
12	182-0899-12	ASNE0397FY1200

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Signal and Power Contacts

FAST Series Contacts - Tooling
EN3545

Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0467-32	M22520/2-09	M81969/14-01 057-0286-22
			057-0515-32	M22520/2-06	
006-0893-20 (red)	057-0463-12	M22520/2-01	057-0485-32	M22520/2-08	M81969/39-01 057-0620-60
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0466-21	M22520/1-04	M15570-16 006-0902-16

Sealing plug	Crimp Tool	Die Assembly	Positioner		Insertion/Extraction Tool	Filler Plug
Ref.	MIL Part No.	MIL Part No.	Part No.	MIL Part No.		
182-0601-06	M22520/23-01	M22520/23-03	182-0659-06	WA23-196L	025-0711-06	182-8004-08 A
182-0601-08	M22520/23-01	M22520/23-02	182-0659-06	WA23-196L	025-0711-06	182-8004-08 A
182-0601-10	AWG 10: M22520/23-01 AWG 12: M300BT	AWG 10: WA23-265 DA AWG 12: included in M300BT	AWG 10 : 182-0659-06	WA23-196L	025-0711-06	182-8004-08 A
			AWG 12 : TP1498	057-0860-06		

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Signal and Power Contacts

FDBA/AFD/DFE Series Contacts
EN3646 / MIL-DTL-26482

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
20	006-0937-20 A-A834	-	M39029/4-110	-	P	Brown-Brown-Black	-	-	-	standard
	006-0912-20 A-A834	-	M39029/5-115	-	S	Brown-Brown-Green				
20	006-0937-20 A	004-0139-20	-	EN3155-018M2020	P	-	Red	-	-	standard
	006-0912-20 A	004-0140-20		EN3155-019F2020	S	-				
20	006-0044-20 A	004-0141-20	-	EN3155-018M2018	P	-	Brown-Red	-	-	enlarged
	006-0055-20 A	004-0142-20		EN3155-018F2018	S	-				
20	006-0972-20 A	0641-24-2059C	-	-	P	-	Black-Red	-	-	reduced
	006-0973-20 A	0603-21-2059C			S					
20	006-1186-20	0641-14-2001	-	-	P	-	Red-Red + white dot	Yellow	Kp	standard
	006-1187-20	0603-16-2001			S	-				
20	006-1188-20	0641-15-2001	-	-	P	-	Red-Red + white dot	Black	Kn	standard
	006-1189-20	0603-15-2001			S	-				
20	006-1060-20	-	-	-	P	-	-	-	Co	enlarged
	006-1062-20	-			S	-				
20	025-0404-20	-	-	-	P	-	Purple-Red	Yellow	Kp	enlarged
	025-0405-20	-			S	-	Purple-Red	-		
20	025-0402-20	-	-	-	P	-	Purple-Red	Black	Kn	enlarged
	025-0403-20	-			S	-	Purple-Red	-		
20	025-0406-20	-	-	-	P	-	Purple-Red	-	Co	enlarged
	025-0407-20	-			S					
16	006-0937-16 A	004-0139-16	-	EN3155-018M1616	P	-	Blue-Blue	-	-	standard
	006-0912-16 A	004-0140-16		EN3155-019F1616	S					
16	006-1102-16 A	004-0141-16	-	EN3155-018M1614	P	-	White-Blue	-	-	enlarged
	006-1104-16 A	004-0142-16		EN3155-019F1614	S	-				
16	004-0160-16 A	-	-	EN3155-018M1618	P	-	Brown-Blue	-	-	reduced
	004-0159-16 A	-		EN3155-019F1618	S	-				
16	006-1168-16 A	109026-16A	-	-	P	-	Red-Blue	-	-	reduced
	006-1169-16 A	109027-16A			S	-				
16	025-0870-16	-	-	-	P	-	White-Blue	-	-	reduced
	025-0871-16	-			S	-				
16	006-0982-16	-	-	-	P	-	Blue-Blue	Yellow	Kp	-
	097-0037-16	-			S	-				
16	006-0983-16	-	-	-	P	-	Blue-Blue	Black	Kn	-
	097-0036-16	-			S	-				
12	006-0937-12 A	004-0139-12	-	EN3155-018M1212	P	-	Yellow	-	-	standard
	006-0912-12 A	004-0140-12		EN3155-019F1212	S	-				
12	006-1157-12 A	109028 A	-	-	P	-	Blue-Yellow	-	-	reduced
	006-1159-12 A	109029 A			S	-				
8	005-0893-08	101333-59	-	-	P	-	-	-	-	standard
	005-0896-08	101334-59			S	-				
8 (87)	005-0257-08	-	-	-	P	-	Brown-Red	-	-	reduced
	005-0258-08	-			S	-				
8 (88)	006-0041-08	DF06A 041 08	-	-	P	-	Red	-	-	standard
	006-0040-08	DF06A 040 08			S	-				

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Signal and Power Contacts

FDBA/AFD/DFE Series Contacts - Tooling
EN3646 / MIL-DTL-26482

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
26-30	0.055 - 0.15	006-0893-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-20	0.6 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
14-18	1 - 2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
18-24	0.25 - 1	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.6	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
26-30	0.055 - 0.15	006-0893-16 (blue)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 -1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
12-16	1.2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
16-20	0.6 - 1.2	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
8-10	5 - 8.98	006-0893-08 (green)	To be soldered				M15570-25 006-0902-08
10	5	006-0893-08 (green)	057-0486-15	M22520/5-01	057-0065-00	-	M15570-25 006-0902-08
8	8.98	006-0893-08 (green)	057-0486-15	M22520/5-01	057-0065-00	-	M15570-25 006-0902-08

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Signal and Power Contacts

TJ/FMJ Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
					AS39029	EN3155			
22	020-0511-22	-	EN3155-016M2222	P	-	-	-	-	standard
22	019-0857-22	100060-56	-	P	-	-	-	-	standard
22	123-0001-22	-	-	P	-	-	-	-	standard
22	182-0671-22	-	-	P	-	-	-	-	standard
22	019-1055-22	-	-	P	-	-	-	-	standard
20	182-0908-20	-	EN3155-016M2020	P	-	-	-	-	standard
20	123-0001-20	-	-	P	-	-	-	-	standard
20	020-0511-20	-	EN3155-016M2018	P	-	-	-	-	enlarged
20	020-0008-20	1841-1-5620	-	P	-	-	-	-	enlarged
20	182-0439-20	-	-	P	-	-	-	-	enlarged
16	020-0511-16	-	EN3155-016M1616	P	-	-	-	-	standard
16	020-0008-16	1841-1-5616	-	P	-	-	-	-	standard
16	123-0001-16	-	-	P	-	-	-	-	standard
16	182-0439-16	182-0439-16	-	P	-	-	-	-	standard
12	020-0511-12	020-0511-12	EN3155-016M1212	P	-	-	-	-	standard
12	020-0008-12	1841-1-5612	-	P	-	-	-	-	standard
12	018-0011-12	DF 18-011-12	-	P	-	-	-	-	reduced
12	018-0865-12	DF 18-865-12-9056	-	P	-	-	-	-	reduced
12	123-0001-12	-	-	P	-	-	-	-	standard
8	020-0008-08	1841-5-5608	-	P	-	-	-	-	standard
8	018-0007-08	DF 18-007-08-9056	-	P	-	-	-	-	reduced
8	018-0878-08	DF 18-878-08	-	P	-	-	-	-	reduced
8	018-0008-08	DF 18-008-08-9056	-	P	-	-	-	-	reduced

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Signal and Power Contacts

TJ/FMJ Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0851-22	K127-3	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	028-0102-22 (yellow)	To be soldered				M15570-22-1 028-0114-22
20-24	0.25 - 0.60	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.60	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-18	1 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-18	1 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
16-18	1 - 1.2	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
20-24	0.25 - 0.60	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
12-14	2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
8	8.98	006-0893-08 (green)	057-0540-10	M300BT	057-0542-30	SP708	Manual/020-0011-08
10	5	006-0893-08 (green)	057-0540-10	M300BT	057-0542-30	SP708	Manual/020-0011-08
12-14	2 - 3	006-0893-08 (green)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	Manual/020-0011-08
16-18	1 - 1.2	006-0893-08 (green)	057-0461-11	M22520/1-01	057-0503-21	TH18	Manual/020-0011-08

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Signal and Power Contacts

983 (200 °C) Series Contacts
EN2997 (200 °C)

Signal

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
22	097-0287-22	-	-	EN3155-078M2222	P	-	Green	-	-	standard
	097-0288-22	-		EN3155-079F2222	S	-				
20	006-0937-20 A	004-0139-20	-	EN3155-018M2020	P	-	Red	-	-	standard
	006-0912-20 A	004-0140-20		EN3155-019F2020	S	-				
20	006-0044-20 A	004-0141-20	-	EN3155-018M2018	P	-	Brown-Red	-	-	enlarged
	006-0055-20 A	004-0142-20		EN3155-018F2018	S	-				
20	006-0972-20 A	0641-24-2059C	-	-	P	-	Black-Red	-	-	reduced
	006-0973-20 A	0603-21-2059C			S					
20	006-1186-20	0641-14-2001	-	-	P	-	Red-Red + white dot	Yellow	Kp	standard
	006-1187-20	0603-16-2001			S	-				
20	006-1188-20	0641-15-2001	-	-	P	-	Red-Red + white dot	Black	Kn	standard
	006-1189-20	0603-15-2001			S	-				
20	025-0404-20	-	-	-	P	-	Purple-Red	Yellow	Kp	enlarged
	025-0405-20	-			S	-	Purple-Red	-		
20	025-0402-20	-	-	-	P	-	Purple-Red	Black	Kn	enlarged
	025-0403-20	-			S	-	Purple-Red	-		
16	006-0937-16 A	004-0139-16	-	EN3155-018M1616	P	-	Blue-Blue	-	-	standard
	006-0912-16 A	004-0140-16		EN3155-019F1616	S					
16	006-1102-16 A	004-0141-16	-	EN3155-018M1614	P	-	White-Blue	-	-	enlarged
	006-1104-16 A	004-0142-16		EN3155-019F1614	S	-				
16	004-0160-16 A	-	-	EN3155-018M1618	P	-	Brown-Blue	-	-	reduced
	004-0159-16 A	-		EN3155-019F1618	S	-				
16	006-1168-16 A	109026-16A	-	-	P	-	Red-Blue	-	-	reduced
	006-1169-16 A	109027-16A			S	-				
16	025-0870-16	-	-	-	P	-	White-Blue	-	-	reduced
	025-0871-16	-			S	-				
16	006-0982-16	-	-	-	P	-	Blue-Blue	Yellow	Kp	-
	097-0037-16	-			S	-				
16	006-0983-16	-	-	-	P	-	Blue-Blue	Black	Kn	-
	097-0036-16	-			S	-				
12	006-0937-12 A	004-0139-12	-	EN3155-018M1212	P	-	Yellow	-	-	standard
	006-0912-12 A	004-0140-12		EN3155-019F1212	S	-				
12	006-1157-12 A	109028A	-	-	P	-	Blue-Yellow	-	-	reduced
	006-1159-12 A	109029A			S	-				

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Signal and Power Contacts

983 (200 °C) Series Contacts - Tooling
EN2997 (200 °C)

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
22-26	0.15 - 0.4	097-0298-22 (black)	057-0463-12	M22520/2-01	-	M22520/2-23	M81969/14-01 057-0286-22
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
26-30	0.055 - 0.15	006-0893-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-20	0.6 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
14-18	1 - 2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
18-24	0.25 - 1	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.6	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
26-30	0.055 - 0.15	006-0893-16 (blue)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
12-16	1.2 - 3	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
16-20	0.6 - 1.2	006-0892-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12

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Signal and Power Contacts

983 (200 °C) Series Contacts
EN2997 (200 °C)

Power K6

Kit contact (contacts + sleeve)			Decomposition of the kit		Color Bands
Commercial Part No.	Type	Wire size AWG	Contact Part No.	Sleeve	
182-0672-06 A	P	6	182-0657-06 A	182-0601-06 ABS0992B03	Green-Green
182-0704-06	S		182-0700-06		
182-0672-08 A	P	8	182-0661-06 A	182-0601-08 ABS0992B01	Green-Red
182-0704-08	S		182-0701-06		
182-0672-10 A	P	10	182-0664-06 A	182-0601-10 ABS0992B02	Green-Brown
182-0704-10	S		182-0702-06		

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Signal and Power Contacts

983 (200 °C) Series Contacts - Tooling
EN2997 (200 °C)

Tools			Extraction tool	Sealing plug K6
Crimp Tool	**Die assembly**	**Positioner**		
M22520/23-01	M22520/23-03	WA23-196L 182-0659-06	025-0711-06	182-8004-08 A
M22520/23-01	M22520/23-02	WA23-196L 182-0659-06	025-0711-06	182-8004-08 A
AWG 10: M22520/23-01 AWG 12: M300BT	AWG 10: WA23-265 DA AWG 12: included in M300BT	AWG 10: WA23-296L / 182-0659-06 AWG 12: TP1498 / 057-0860-06	025-0711-06	182-8004-08 A

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Signal and Power Contacts

983 (260 °C) Series Contacts
EN2997 (260 °C) / ESC10

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
20	097-0015-20	45045A	-	EN3155-004M2020	P	-	Red-Red White dot	-	-	standard
	097-0016-20	45109A		EN3155-005F2020	S					
20	097-0047-20	47815 A	-	-	P	-	Green-Red White dot	-	-	reduced
	097-0053-20	47816 A			S					
20	006-1186-20	0641-14-2001	-	-	P	-	Red-Red White dot	Yellow	Kp	standard
	006-1187-20	0603-16-2001			S					
20	006-1188-20	0641-15-2001	-	-	P	-	Red-Red White dot	Black	Kn	standard
	006-1189-20	0603-15-2001			S					
20	025-0402-20	-	-	-	P	-	Purple-Red	Black	Kn	enlarged
	025-0403-20				S					
20	025-0404-20	-	-	-	P	-	Purple-Red	Yellow	Kp	enlarged
	025-0405-20				S					
16	097-0014-16	-	-	EN3155-004M1616	P	-	Blue-Blue White dot	-	-	standard
	097-0013-16			EN3155-005F1616	S					
16	097-0177-16	-	-	EN3155-004M1614	P	-	Blue-Blue White dot	-	-	enlarged
	097-0178-16			EN3155-005F1614	S					
16	006-0982-16	-	-	-	P	-	Blue-Blue	Yellow	Kp	standard
	097-0037-16				S			-		
16	006-0983-16	097-0173-16	-	-	P	-	Blue-Blue	Black	Kn	standard
	097-0036-16	097-0175-16			S			-		
12	097-0165-12	-	-	EN3155-004M1212	P	-	Yellow White dot	-	-	standard
	097-0166-12			EN3155-005F1212	S					

For Power K6, please refer to “Power K6” section on page 12

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Signal and Power Contacts

983 (260 °C) Series Contacts - Tooling
EN2997 (260 °C) / ESC10

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
20-24	0.25 - 0.60	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
22-26	0.15 - 0.4	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.60	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.60	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	097-0140-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-20	0.60 - 1.2	097-0139-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
14-18	1 - 2	097-0139-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	097-0139-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	097-0139-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
12-14	2 - 3	097-0138-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12

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Signal and Power Contacts

991/992 Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	MIL Ref.	EN Ref.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
						AS39029	EN3155			
16	097-0006-16	60530A	-	-	P	Red-Brown-Red	-	-	-	standard
	097-0010-16	60531A			S	Red-Brown-Purple				
	097-0004-16	60534A			S	Red-Brown-Grey				
16	097-0007-16	60536A	-	-	P	-	Blue	-	-	standard
	097-0011-16	65906A			S					
	097-0005-16	65908A			S					
16	097-0034-16	65184A	-	-	P	-	Red-Blue	-	-	reduced
	097-0033-16	65185A			S					
	097-0032-16	65186A			S					
16	097-0091-16	66124A	-	-	P	-	Red-Blue	-	9A	reduced
	097-0093-16	66125A			S			-		
	097-0096-16	66127A			S			Black		
16	097-0092-16	66129A	-	-	P	-	Red-Blue	-	9C	reduced
	097-0097-16	66130A			S			Yellow		
	097-0095-16	66132A			S			-		
16	097-0027-16	61989A	-	-	P	-	Blue	-	9A	standard
	097-0023-16	61990A			S					
	097-0025-16	61992A			S					
16	097-0028-16	61994A	-	-	P	-	Blue	-	9C	standard
	097-0024-16	61995A			S					
	097-0026-16	61997A			S					
12	097-0060-12	60549A	-	-	P	Red-Brown-Orange	-	-	-	standard
	097-0061-12	60550A			S	Red-Brown-White				
8	097-0184-08	60363	-	-	P	Red-Brown-Yellow	-	-	-	standard
	097-0187-08	60364			S	Red-Red-Black				
4	097-0062-04	60615	-	-	P	Red-Brown-Green	-	-	-	standard
	097-0063-04	60616			S	Red-Red-Brown				
0	097-0064-00	60619	-	-	P	Red-Brown-Blue	-	-	-	standard
	097-0065-00	60620			S	Red-Red-Red				

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Signal and Power Contacts

991/992 Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
16-20	0.60 - 1.2	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.60	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.60	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.60	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.6 - 1.2	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
16-20	0.60 - 1.2	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
12-14	2 - 3	-	057-0461-11	M2250/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
8-10	5.30 - 8.98	-	-	M22520/23-01	-	M22520/23-02 M22520/23-09	-/M81969/14-06
4-6	14 - 22	-	-	M22520/23-01	-	M22520/23-11 M22520/23-04	-/M81969/14-07
0-2	34 - 53	-	-	M22520/23-01	-	M22520/23-05 M22520/23-13	-/M81969/14-08

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Signal and Power Contacts

DBAS / DBAD Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel	Wire Range	
								AWG	mm²
22	028-0108-22	-	P	Green	-	-	standard	22-26	0.15 - 0.4
	028-0113-22		S						
22	030-0076-22	-	P	White-Green specific band: white	-	-	reduced	22-30	0.055 - 0.4
	030-0044-22		S						
22	028-0131-22	-	P	Green-Green	Yellow	Kp	standard	22-26	0.15 - 0.4
	028-0139-22		S	*-Green					
22	028-0132-22	-	P	Green-Green	Black	Kn	standard	22-26	0.15 - 0.4
	028-0140-22		S	*-Green					
22	703-0162-22	-	P	*-Green	Yellow	-	reduced	26-30	0.055 - 0.15
	703-0163-22		S						
22	703-0164-22	-	P	*-Green	Black	-	reduced	26-30	0.055 - 0.15
	703-0165-22		S						
20	006-0937-20	0641-10-2059B	P	Red	-	-	standard	20-24	0.25 - 0.60
	006-0912-20	0603-34-2059B	S						
20	006-0044-20	DF 06-044-20B	P	Brown-Red	-	-	enlarged	18-24	0.25 - 1
	006-0055-20	DF 06-055-20B	S						
20	006-0972-20	0641-24-2059B	P	Black-Red	-	-	enlarged	26-30	0.055 - 0.15
	006-0973-20	0603-21-2059B	S						
20	006-1186-20	0641-14-2001	P	Red-Red White dot	Yellow	Kp	standard	20-24	0.25 - 0.60
	006-1187-20	0603-16-2001	S						
20	006-1188-20	0641-15-2001	P	Red-Red White dot	Black	Kn	standard	20-24	0.25 - 0.60
	006-1189-20	0603-15-2001	S						
20	006-1060-20	-	P	-	-	Co	standard	20-24	0.25 - 0.60
	006-1062-20		S						
20	025-0404-20	-	P	Purple-Red	Yellow	Kp	enlarged	18-22	0.4 - 1
	025-0405-20		S						
20	025-0402-20	-	P	Purple-Red	Black	Kn	enlarged	18-22	0.4 - 1
	025-0403-20		S						
20	025-0406-20	-	P	Purple-Red	-	Co	enlarged	18-22	0.4 - 1
	025-0407-20		S						
16	006-0937-16	0641-12-1659B	P	Blue	-	-	standard	16-20	0.60 - 1.2
	006-0912-16	0603-33-1659B	S						
16	006-1102-16	-	P	White-Blue specific band: white	-	-	enlarged	14-18	1 - 2
	006-1104-16		S						
16	004-0160-16	-	P	Brown-Blue	-	-	reduced	18-24	0.25 - 1
	004-0159-16		S						
16	006-1168-16	-	P	Red-Blue specific band: white	-	-	reduced	20-24	0.25 - 1
	006-1169-16		S						
16	025-0870-16	-	P	White-Blue	-	-	reduced	26-30	0.055 - 0.15
	025-0871-16		S						
12	006-0937-12	0641-32-1259B	P	Yellow	-	-	standard	12-14	2 - 3
	006-0912-12	0603-32-1259B	S						
12	006-1157-12	-	P	White-Yellow	-	-	reduced	16-20	0.60 - 1.2
	006-1159-12		S						
8	005-0893-08	101333-59	P	-	-	-	standard	8-10	5 - 8.98
	005-0896-08	101334-59	S						
8 (87)	005-0257-08	-	P	Brown-Red	-	-	reduced	10	5
	005-0258-08		S						
8 (88)	006-0041-08	-	P	Red	-	-	standard	8	8.98
	006-0040-08		S						

* No first band color

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Signal and Power Contacts

DBAS / DBAD Series Contacts - Tooling

Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
028-0102-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0463-12	M22520/2-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22420/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
006-0893-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
006-0893-12 (yellow)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-12 006-0902-12
006-0893-08 (green)	To be soldered				M15570-25 006-0902-08
006-0893-08 (green)	057-0486-15	M22520/5-01	057-0065-00	-	M15570-25 006-0902-08
006-0893-08 (green)	057-0486-15	M22520/5-01	057-0065-00	-	M15570-25 006-0902-08

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Signal and Power Contacts

DFA/910 Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel
20	910 KP20-0	008-0001-20	P	Purple-Red	-	-	enlarged
	910 KS20-0	008-0011-20	S				
20	910 KP20 R	-	P	Grey-Red	-	-	reduced
	910 KS20 R	-	S				
20	008-0161-20	DF 08-161-20-0059B	P	White-Red	-	-	reduced
	008-0162-20	DF 08-162-20-0059B	S				
20	008-0100-20	DF 08-100-01	P	Red	Black	Kn	enlarged
	008-0101-20	DF 08-A-101-01	S		White		
20	008-0248-20	DF 08-100-02	P	Red-Red	Yellow	Kp	enlarged
	008-0208-20	DF 08-A-101-02	S				
16	910 KP16-0	DF 08-001-16	P	Blue	-	-	standard
	910 KS16-0	DF 08-A-011-16	S				
16	910 KP16 A	008-0265-16	P	Orange-Blue	-	-	enlarged
	910 KS16 A	008-0266-16	S				
16	-	-	-	-	-	-	-
	134-0068-16	-	S	Purple-Blue			reduced
16	-	-	-	-	-	-	-
	008-0253-16	P 2161	S	Red-Blue specific band: white	-	-	reduced

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Signal and Power Contacts

DFA/910 Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
18-22	0.4 - 1	910 K0-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
24-28	0.10 - 0.25	910 K0-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
26-30	0.055 - 0.15	910 K0-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
18-24	0.25 - 1	910 K0-20 (red)	Please consult us				M15570-20 006-0902-20
18-24	0.25 - 1	910 K0-20 (red)	Please consult us				M15570-20 006-0902-20
16-20	0.6 - 1.2	910 K0-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
14-18	1 - 2	910 K0-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
18-22	0.4 - 1	910 K0-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16
20-24	0.25 - 0.6	910 K0 -16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16

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Signal and Power Contacts

951/DVG Series Contacts
VG 95328

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel
20	014-1025-20	4102-19-1156	P	-	-	-	standard barrel soldered or crimped for arrangements 8-2/8-3/8-4
	014-1026-20	4102-18-1156	S				
20	014-1015-20	0004-058-000	P	-	-	-	enlarged with cup
	014-1018-20	0007-008-000B	S				
20	014-1014-20	0004-135-000B	P	-	-	-	enlarged without cup
-	038-0015-20	0007-044-000B	S				-
20	014-0091-20	DF 14-091-20	P	Red-Red	-	-	long barrel without cup
	014-0092-20	DF 14-092-20	S				
20	143-0003-20	-	P	-	-	-	standard with cup
	143-0004-20	-	S				
16	014-1014-16	0004-065-000	P	-	-	-	enlarged
	014-1016-16	0007-013-000	S				
16	143-0003-16	-	P	-	-	-	standard
	143-0004-16	-	S				
8	014-1092-08	-	P	-	-	-	standard
	014-1094-08	-	S				

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951/DVG Series Contacts - Tooling
VG 95328

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
20-24	0.25 - 0.6	014-1042-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0125-00/057-0127-00
			057-0463-12	M22520/2-01	057-0577-32	K2	
18-24	0.22 - 1	014-1042-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0484-60/057-0476-60
18-24	0.22 - 1	014-1042-20 (red)	057-0463-12	M22520/2-01	057-0577-32	K2	057-0484-60/057-0476-60
18-24	0.22 - 1	014-1042-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0484-60/057-0476-60
20-24	0.22 - 0.6	014-1042-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0484-60/057-0476-60
14-18	1 - 1.91	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0472-60/057-0475-60
16-18	0.93 - 1.34	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	057-0472-60/057-0475-60
8	8.98	014-1010-01 (green)	057-0540-10	M300BT	-	TP1669	-/057-0480-60

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Signal and Power Contacts

DS/DCI/901/941 Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands		Marking yellow or black	Contact Material	Barrel
				AS39029	EN3155			
20	047-0894-20	0005-045-000B	P	-	-	-	-	standard
	047-0893-20	0007-049-000B	S	-				
20	047-1022-20	0005-056-000	P	-	-	-	-	reduced
	047-1023-20	0007-071-000B	S	-				
20	047-1024-20	0005-005-000	P	-	-	-	-	enlarged
	047-1025-20	0007-007-000B	S	-				
20	047-1006-20	4702-11-3901	P	-	-	-	Cu	-
	047-1059-20	4702-10-3901	S	-				
20	047-1007-20	4702-11-0102	P	-	-	-	Co	-
	047-1013-20	4702-10-0102	S	-				
20	047-1008-20	4702-11-0103	P	-	-	-	Coi (constantan fer)	-
	047-1014-20	4702-10-0103	S	-				
20	047-1009-20	4702-11-3904	P	-	-	-	Fe	-
	047-1015-20	4702-10-3904	S	-				
20	047-1010-20	4702-11-0105	P	-	-	-	Kp	-
	047-1016-20	4702-10-0105	S	-				
20	047-1011-20	4702-11-0106	P	-	-	-	Kn	-
	047-1017-20	4702-10-0106	S	-				
16	047-0894-16	800-16/32-1	P	-	-	-	-	standard
	047-0893-16	200-16/30-3	S	-				
16	047-1022-16	800-16/32-3	P	-	-	-	-	reduced
	047-1023-16	200-16/30-4	S	-				
16	047-1024-16	0005-008-000	P	-	-	-	-	enlarged
	047-1025-16	0007-014-000	S	-				
16	047-1348-16	-	P	-	-	-	-	enlarged
	047-1349-16	-	S	-				
12	047-0894-12	800-12/32-1	P	-	-	-	-	standard
	047-0893-12	200-12/30-3	S	-				
12	047-1022-12	800-12/32-3	P	-	-	-	-	reduced
	047-1023-12	200-12/30-4	S	-				
12	047-1024-12	800-12/32-7	P	-	-	-	-	reduced
	047-1025-12	200-12/30-7	S	-				
- 12	-	-	-	-	-	-	-	enlarged
	047-1401-12	-	S	-				
8	047-0894-08	0005-048-000	P	-	-	-	-	standard
	047-0893-08	0007-059-000	S	-				
8 (87)	047-1329-08	-	P	-	-	-	-	reduced
	047-1330-08	-	S	-				
8 (88)	047-1325-08	-	P	-	-	-	-	standard
	047-1326-08	-	S	-				

Size 0 and 4 contacts, please consult us

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Signal and Power Contacts

DS/DCI/901/941 Series Contacts Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
26-30	0.055 - 0.15	006-0893-20 (red)	057-0463-12	M22520/2-01	-	K1613 K1614	M15513-20/M15515-20 057-0473-60/057-0479-60
16-18	0.93 - 1.34	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-16/M15515-20 057-0472-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
18-24	0.22 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-20/M15515-20 057-0473-60/057-0479-60
16-18	0.93 - 1.34	092-1057-16 (blue)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-16/M15515-16 057-0472-60/057-0478-60
18-24	0.22 - 1	092-1057-16 (blue)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-16/M15515-16 057-0472-60/057-0478-60
12-14	1.91 - 3.18	092-1057-16 (blue)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-16/M15515-16 057-0472-60/057-0478-60
14-16	1.34 - 1.91	092-1057-16 (blue)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-16/M15515-16 057-0472-60/057-0478-60
12-14	1.91 - 3.18	092-1056-12 (yellow)	057-0461-11	M22520/1-01	057-0503-21	TH18	M15513-12/M15515-12 057-0471-60/057-0477-60
18-24	0.22 - 1	092-1056-12 (yellow)	057-0540-10	M300BT	057-0503-21	TH18	M15513-12/M15515-12 057-0471-60/057-0477-60
14-18	0.22 - 1	092-1056-12 (yellow)	057-0540-10	M300BT	057-0503-21	TH18	M15513-16/M15515-12 057-0472-60/057-0477-60
10-12	3.18 - 5.30	092-1056-12 (yellow)	057-0540-10	M300BT	057-0503-21	TH18	M15513-12/M15515-12 057-0471-60/057-0477-60
8	8.98	047-1052-08 (green)	-	-	-	-	M155513-25/M15515-25 057-0474-60/057-0480-60
10	5	047-1052-08 (green)	057-0585-11	-	-	-	M155513-25/M15515-25 057-0474-60/057-0480-60
8	8.98	047-1052-08 (green)	057-0585-11	-	-	-	M155513-25/M15515-25 057-0474-60/057-0480-60

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Signal and Power Contacts

UR/RE/RM/RSM/RTK Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel
22	029-0100-22	2841-5-9000C	P	Green	-	-	standard
	029-0101-22	2803-4-0000C	S				
22	029-0102-22	DF 28-046-22C	P	White-Green	-	-	reduced
	029-0103-22	DF 28-A-047-22C	S				
22	028-0108-22	2841-5-9000D	P	Green	-	-	standard
	028-0113-22	2803-4-0000E	S				
22	030-0076-22	DF 28-046-22D	P	Green-White	-	-	reduced
	030-0044-22	DF 28-047-22E	S	White-Green			
22	028-0131-22	-	P	Green	Yellow	Kp	standard
	028-0139-22	-	S	Green-Green			
22	028-0132-22	-	P	Green-Green	Black	Kn	standard
	028-0140-22	-	S	Green			
22	703-0162-22	-	P	*-Green	Yellow	-	reduced
	703-0163-22	-	S				
22	703-0164-22	-	P	*-Green	Black	-	reduced
	703-0165-22	-	S				
20	028-0108-20	103-300-31	P	Red	-	-	standard
	028-0113-20	103-304	S				
16	028-0176-16	2841-7-9016	P	Blue	-	-	standard
	028-0174-16	2803-5-0016	S				

* No first band color

904/944/DRA/DPM Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel
16	023-0032-16	DF 23-A-032-16	P	-	-	-	standard
	023-0025-16	DF 23-A-025-16	S				
16	023-0040-16	DF 23-A-040-16	P	-	-	-	reduced
	023-0139-16	-	S				
16	023-0151-16	-	P	-	-	-	reduced
	023-0153-16	-	S				

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Signal and Power Contacts

UR/RE/RM/RSM/RTK Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
22-26	0.15 - 0.4	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
26-30	0.055 - 0.15	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
26-30	0.055 - 0.15	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.4	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
22-26	0.15 - 0.34	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
26-30	0.055 - 0.15	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
26-30	0.055 - 0.15	029-0037-22 (yellow)	057-0463-12	M22520/2-01	057-0470-32	K127-2	M15570-22-1 028-0114-22
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-18	1 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16

904/944/DRA/DPM Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
16-18	1 - 1.2	-	057-0461-11	M22520/1-01	DF 57-023-00	-	Manual/DRK113-20
20-24	0.25 - 0.6	-	057-0461-11	M22520/1-01	DF 57-023-00	-	Manual/DRK113-20
26-30	0.055 - 0.15	-	057-0461-11	M22520/1-01	DF 57-023-00	-	Manual/DRK113-20

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Signal and Power Contacts

902/942 Series Contacts

Active area / Mating Size	Part No.	Former Syst. Part No.	Type	Color Bands	Marking yellow or black	Contact Material	Barrel
20	006-0937-20 A	004-0139-20	P	Red	-	-	standard
	006-0912-20 A	004-0140-20	S				
20	006-0044-20 A	004-0141-20	P	Brown-Red	-	-	enlarged
	006-0055-20 A	004-0142-20	S				
20	006-0972-20 A	0641-24-2059C	P	Black-Red	-	-	reduced
	006-0973-20 A	0603-21-2059C	S				
20	006-1186-20	0641-14-2001	P	Red-Red + white dot	Yellow	Kp	standard
	006-1187-20	0603-16-2001	S				
20	006-1188-20	0641-15-2001	P	Red-Red + white dot	Black	Kn	standard
	006-1189-20	0603-15-2001	S				
20	006-1060-20	-	P	-	-	Co	enlarged
	006-1062-20	-	S				
20	025-0404-20	-	P	Purple-Red	Yellow	Kp	enlarged
	025-0405-20	-	S	Purple-Red	-		
20	025-0402-20	-	P	Purple-Red	Black	Kn	enlarged
	025-0403-20	-	S	Purple-Red	-		
20	025-0406-20	-	P	Purple-Red	-	Co	enlarged
	025-0407-20	-	S				
16	006-0937-16 A	004-0139-16	P	Blue-Blue	-	-	standard
	006-0912-16 A	004-0140-16	S				

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Signal and Power Contacts

902/942 Series Contacts - Tooling

Wire Range		Sealing plug	Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Ref.	Part No.	MIL Part No.	Part No.	MIL Part No.	
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-24	0.25 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
26-30	0.055 - 0.15	006-0893-20 (red)	057-0463-12	M22520/2-01	057-0464-32	M22520/2-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
20-24	0.25 - 0.6	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
18-22	0.4 - 1	006-0893-20 (red)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-20 006-0902-20
16-20	0.6 - 1.2	006-0893-16 (blue)	057-0461-11	M22520/1-01	057-0462-21	M22520/1-02	M15570-16 006-0902-16

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Databus Contacts

DMC-M Series Contacts and Tooling / EN4165

Coax size 8

Active area / Mating Size	Part No.	Type	Color Bands	
			AS39029	EN3155
Microcoax	724-0004-16	P	Yellow-Red-Yellow	-
	724-0005-16	S	Yellow-Orange-Red	
08 (Coax)	182-0125-08	P	-	-
	182-0126-08	S		
08	182-0048-08	P	-	-
	182-0044-08	S		

Quadrax size 8 (crimp)

Part No.	Type	Contact tooling		Sleeve tooling	
		Crimp Tool	Positioner	Crimp Tool	Die set
187-0204-08 A	P	M22520/2-01	K709	M22520/5-01	M22520/5-45B
187-0205-08 A	S				

Both Part No. are also available without sealing sleeve (Part No. are 187-0204-08 and 187-0205-08).
Wiring procedures NC187-0204-08 and NC187-0205-08.

Quadrax size 8 (PCB)

Part No.	Type	Mounting type
187-0206-08	P	Back mounting

Triax size 8

Databus Contacts (twisted Pair) As Per AS39029				Tooling for Databus Contacts					
Cable Type	Part No.	Type	Color Bands	Conductor Size Max.	Braid OD Max.	Sleeve Type	Center Conductor	Ferrule	Insertion/Extraction Tool
Single braid	182-0347-01	P	Brown-Red	2 x 0.34 mm^2	3.48	Thermoplastic and silicone	TDB-CT-08	TDB-CT-HEX Mark D	114-008 or M81969/14-06
	182-0346-01	S							
Double braid	182-0347-02	P	Red-Red	2 x 0.34 mm^2	3.91	Thermoplastic and silicone	TDB-CT-08	TDB-CT-HEX Mark D	114-008 or M81969/14-06
	182-0346-02	S							
Single Braid	182-0034-03	P	Brown-Red	2 x 0.34 mm^2	3.48	Thermoplastic and Silicone	TDB-CY-08	TDB-CT-HEX Mark C	114-008 or M81969/14-06
	182-0035-03	S							
Double Braid	182-0034-04	P	Red-Red	2 x 0.34 mm^2	3.91	Thermoplastic and Silicone	TDB-CT-08	TDB-CT-08HEX Mark D	114-008 or M81969/14-06
	182-0035-04	S							

Wiring procedures NC182-021 and NC187-013.

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Databus Contacts

Wire Range		Crimp Tool		Positioner		Insertion/Extraction Tool
AWG	mm²	Part No.	MIL Part No.	Part No.	MIL Part No.	
KX 22	0.057 - 0.158	057-0463-12 (Center Contact) 057-0509-14 (Outer Contact)	M22520/2-01 (Center Contact)	057-0539-32 (Center Contact) 057-0511-34 (Outer Contact)	-	M15570-16 006-0902-16
ALPEN A 26 DT	-	-	-	-	-	114-008 or M81969/14-06
SMA Interface	-	-	-	-	-	114-008 or M81969/14-06

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Databus Contacts

DG/DTS Contacts and Tooling / MIL-DTL-38999/EN3645

Coax size 8

				Crimping of the inner contact		Crimping of the sleeve		
Part No.	**Former Part No.**	**Type**	**Cable**	**Crimp Tool**	**Positioner**	**Crimp Tool**	**Positioner**	**Insertion/extraction tool**
724-0004-16	-	P	RG 174 / 316 / 179	M22520/2-01	M22520/2-35	M22520/4-01	M22520/4-02	M15570-16 006-0902-16
724-0005-16	-	S		-	-	-	-	

Triax size 8

Databus Contacts (twisted Pair) As Per AS39029					**Tooling for Databus Contacts**				
Cable Type	**Part No.**	**Type**	**Color Bands**	**Conductor Size Max.**	**Braid OD Max.**	**Sleeve Type**	**Center Conductor**	**Ferrule**	**Insertion/Extraction Tool**
Single braid	182-0347-01	P	Brown-Red	2 x 0.34 mm^2	3.48	Thermoplastic and silicone	TDB-CT-08	TDB-CT-HEX Mark D	114-008 or M81969/14-06
	182-0346-01	S							
Double braid	182-0347-02	P	Red-Red	2 x 0.34 mm^2	3.91	Thermoplastic and silicone	TDB-CT-08	TDB-CT-HEX Mark D	114-008 or M81969/14-06
	182-0346-02	S							
Single Braid	182-0034-03	P	Brown-Red	2 x 0.34 mm^2	3.48	Thermoplastic and Silicone	TDB-CY-08	TDB-CT-HEX Mark C	114-008 or M81969/14-06
	182-0035-03	S							
Double Braid	182-0034-04	P	Red-Red	2 x 0.34 mm^2	3.91	Thermoplastic and Silicone	TDB-CT-08	TDB-CT-08HEX Mark D	114-008 or M81969/14-06
	182-0035-04	S							

Wiring procedures NC182-021 and NC187-013.

Quadrax size 8 (crimp)

Part No.	**EN Ref**	**Type**	**Contact tooling**		**Sleeve tooling**	
			Crimp Tool	**Positioner**	**Crimp Tool**	**Die set**
187-0204-08	EN3155-074M08	P	M22520/2-01	K709	M22520/5-01	M22520/5-45B
187-0205-08	EN3155-075F08	S				

Wiring procedures NC187-0204-08 and NC187-0205-08.

Quadrax size 8 (PCB)

Part No.	**Type**	**Mounting type**
187-0206-08	P	Back mounting

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Databus Contacts

FAST Series Contacts and Tooling / EN3545

Quadrax

Contacts		Tooling				
Kit Part No. (Contact + Sleeve)	Type	Contact Crimp Tool	Contact Positioner	Sleeve Crimp Tool	Die set	Extraction Tool
182-0611-08	P	M22520/2-01	K709	M22520/5-01	M22520/5-45B	025-0711-06
182-0612-08	S					

Wiring procedures NC187-0108-08 and NC187-0109-08.

Quadrax size 8 (PCB)

Part No.	Type	Mounting type
182-0095-01	P	Front mounting with grounding tail
182-0095-06		
182-0095-21		
182-0095-26		
187-0178-08	P	Back mounting with grounding tail
182-0121-01	P	Front mounting without grounding tail
182-0121-06		
182-0121-21		
182-0121-26		
187-0136-08	S	Back mounting

Twinax size 8 (crimp)

Part No.	Type	Contact tooling		Sleeve tooling	
		Crimp Tool	Positioner	Crimp Tool	Die set
187-0157-08	P	M22520/2-01	K709	M22520/5-01	M22520/5-45B
187-0158-08	S				

Twinax size 8 (PCB)

Part No.	Type	Mounting type
187-0264-01	P	Front mounting
187-0264-06		
187-0265-01	S	Back mounting
187-0265-06		

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Databus Contacts

FDBA/AFD/DFE Series Contacts and Tooling / EN3646 /MIL-DTL-26482

Quadrax size 8

			Tools	
Part No.	**EN**	**Type**	**For the inner contacts**	**For the body**
187-0108-08	EN3155-072M08	P	M22520/2-01 + K709	M22520/5-01 + M22520/5-45B
187-0109-08	EN3155-073F08	S		

Wiring procedures NC187-0108-08 and NC187-0109-08.

Coax size 16

			Crimping				
Part No.	**Type**	**Cable**	**Contact**	**Crimp Tool**	**Positioner**	**Selector position**	**Insertion/extraction tool**
025-0847-08	P	RG 196 A/U and RG 178 B/U	Inner	M22520/2-01	L22520-C3	5	M15570
025-0848-08	S		Outer	M22520/1-01	M22520/1-02	7	

Quadrax size 8 (PCB)

Part No.	Type	Mounting type
182-0121-01	P	Front mounting without grounding tail
182-0121-06		
182-0121-21		
182-0121-26		
187-0136-08	S	Back mounting

Twinax size 8 (PCB)

Part No.	Type	Mounting type
187-0264-01	P	Front mounting
187-0264-06		
187-0265-01	S	Back mounting
187-0265-06		

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Databus Contacts

983 (200 °C) Series Contacts and Tooling / EN2997 (200 °C) / ESC10

Quadrax size 8 For arrangements 18-02, 20-04 and 28-06

		Tools		
Kit Part No. (Contact + Sleeve)	**Type**	**For size 24 contacts**	**For contact body**	**Extraction tool**
182-0611-08	P	M22520/2-01 + K709	M22520/5-01 M22520/5-45B	025-0711-06
182-0612-08	S			

Wiring procedures NC187-0108-08 and NC187-0109-08.

Quadrax size 8 (PCB)

Part No.	Type	Mounting type
187-0281-08	P	Back mounting

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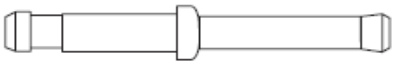
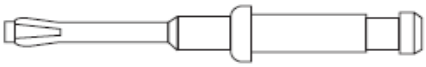
Databus Contacts

DBAS Series Contacts

Micro coax size 16



Female Contact

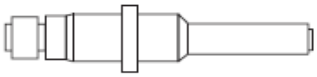


Male Contact

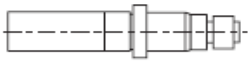
Contacts				Crimping		Tools Wired contacts insertion/extraction tools
Coax wire used	Part No.	Type	Contact	Crimp Tool	Positioner	
RG 196 A/U RG 178 B/U	025-0847-00	P	Inner Outer	057-0463-12 057-0461-11	057-0462-21	057-0517-32 006-0902-16
RG 196 A/U RG 178 B/U	025-0848-00	S	Inner Outer	057-0463-12 057-0461-11	057-0462-21	057-0517-32 006-0902-16

Wiring procedures NC 025-071.

Micro coax size 12



Male Contact



Female Contact

Coax wire used	Part No. P	Part No. S	Crimp Tool	Positioner	Sleeve Crimp Tool	Insertion/extraction tool
Shielded 24	006-1082-00	006-1080-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12
RG 180 B RG 195 A	006-1089-00	006-1091-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12
Shielded 24 RG 174 RG 188 A	006-1092-00	006-1093-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12
Shielded 28-30 RG 178 B	006-1094-00	006-1095-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12
RG 187 A RG 196 A	006-1097-00	006-1096-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12
F 1703-66	006-1183-00	006-1184-00	057-0463-12	057-0524-32	057-0520-05	006-0902-12

Wiring procedures NC 025-041

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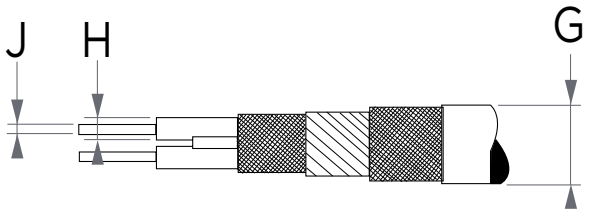
Databus Contacts

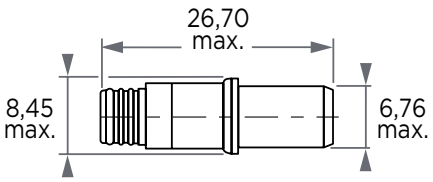
DBAS Series Contacts



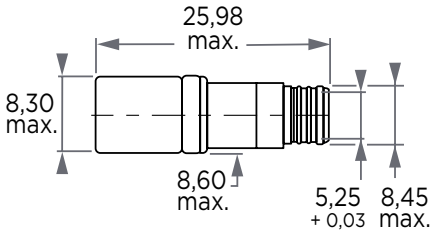
Coax size 6 bifilar

Cables					Contacts			Sealing plug		Tools			
Core					Contact Part No.			Ref.		Crimp Tool			Extraction tool
Cable Part No.	Size	G max	H	J max	Index	P	S	For P and S	Color	Inner contact	Locator	Sleeve	
F 2709/9	22	4.80	1.68	0.80	without	025-0709-01	025-0710-01	025-0689-06	Blue	057-0463-12	057-0470-32	057-0088-00	025-0711-06
F 2709/12	20	5.35	2.03	1									
F 2709/3	24	4.05	1.37	0.60	M4	025-0925-00	025-0926-00	025-0689-06	Blue	057-0463-12	057-0470-32	057-0088-00	025-0711-06
17/176-00002		2.59	1.12										

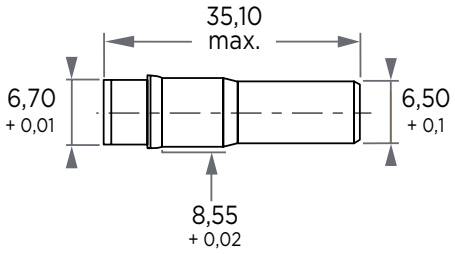
Wiring procedures NC 025-011



Male contact



Female Contact



Sealing plug

Coax size 8

Cables				Connector Index	Contacts		Crimp Tool			Insertion & Extraction Tools	
Cable Part No.	G max	H max	J max		Part No. P	Part No. S	Intermediary contact	Positioner	Sleeve	Insertion	Extraction
RG 179/U RG 187/U	2.95	1.52	0.76	Without	005-0920-00	005-0921-00	057-0463-12	057-0513-32	057-0519-05	057-0519-05	006-0902-08
RG 195/U	3.94	2.62	0.76	1	005-0919-00	005-0914-00	057-0463-12	057-0513-32	057-0518-05	006-0902-08	057-0616-60
Specials	2.95	1.52	0.97	9	005-0913-00	005-0922-00	057-0463-12	057-0513-32	057-0519-05	006-0902-08	006-0902-08
50 PPDT	3.90	2.00	0.70	F1	005-0065-00	005-0066-00	057-0463-12	057-0513-32	057-0518-05	006-0902-08	057-0616-60
Double braid	5.50	3.04	0.97	F7	005-0983-00	005-0984-00	057-0463-12	057-0513-32	057-0520-05	006-0902-08	057-0616-60
1709/33	2.85	1.75	0.70	F8	005-1364-00	005-1365-00	057-0463-12	057-0513-32	057-0518-05	006-0902-08	057-0616-60
66856	4.20	3.00	0.97	F9	005-1445-00	005-1446-00	057-0463-12	057-0513-32	057-0518-05	006-0902-08	057-0616-60

Dimensions in mm
Wiring procedures NC 025-011.

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Databus Contacts

DS/DCI/901/941 Series Contacts and Tooling

Coax size 8

Cable	Index	Part No.	Former Syst. Part No.	Type
RG 174 U RG 178 B/U RG 187 A/U RG 188 A/U RG 196 A/U	standard	047-0894-00	0106-003-000	P
		047-0893-00	0107-003-000	S
RG 180 B/U RG 195 A/U	1	047-1026-00	800/33-1	P
		047-1027-00	800/34-1	S
RG 58 C/U RG 141 A/U RG 142 B/U RG 222 U	5	047-1026-02	0106-001-000	P
		047-1027-02	0107-001-000	S
50 PPTDE	F1	047-1026-01	DF 47-A-724-08-0056	P
		047-1027-01	DF 47-A-724-08-0056	S
KX2	F5	047-1026-03	DF 47-A-863-08-0056	P
		047-1027-03	DF 47-A-864-08-0056	S
50 PPTDE KX23	F6	047-1026-04	DF 47-A-083-00	P
		047-1027-04	DF 47-A-085-00	S
-	F7	047-1026-05	DF 47-A-099-00	P
		047-1027-05	DF 47-A-100-00	S
RG 122 U	F9	047-1026-06	DF 47-A-284-00	P
		047-1027-06	DF 47-A-285-00	S
-	F10	047-1026-07	DF 47-A-287-00	P
		047-1027-07	DF 47-A-288-00	S
CT 115	F11	047-1026-08	DF 47-A-199-00	P
		047-1027-08	DF 47-A-203-00	S
Special	12	047-1026-09	-	P
		047-1027-09	-	S
Special	9	047-1026-10	-	P
		047-1027-10	-	S
KX 53 A/S, RG59, KX 6 A/S, 75 PPN A/S	T2	047-1056-00	-	P
		047-1057-00	-	S
RG179, RG187	T1	047-1056-01	-	P
		047-1057-01	-	S
RG316, RG180	T3	047-1056-02	-	P
		047-1057-02	-	S
KX 53 A/S, RG59, KX 6 A/S, 75 PPN A/S	T4	047-1056-03	-	P
		047-1057-03	-	S

Wiring procedures NC 047-011 and 047-021.

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Impedance	Crimping of the contact		Sleeve Crimp Tool	Rear insertion tool	Front insertion tool
	Crimp Tool	Positioner			
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
50 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
75 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
75 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
75 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8
75 Ω	M22520/2-01	K30	M22520/5-01	M15513-25 DAK51-8	M15515-25 DRK51-8

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006-0041-08	14, 26	006-1169-16	26	020-0511-20	16	047-0894-08	32
006-0044-20	26	006-1169-16 A	14, 18	020-0511-22	16	047-0894-12	32
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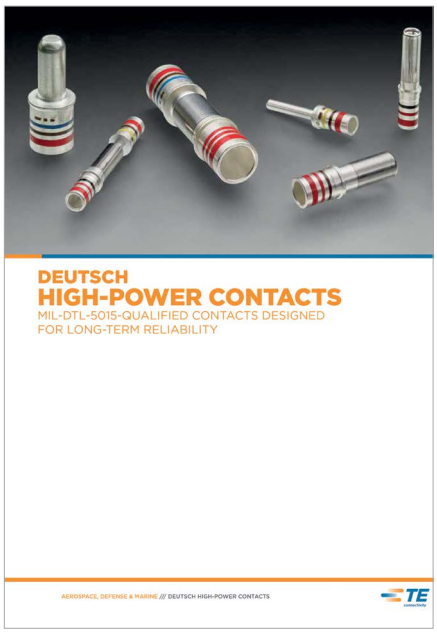

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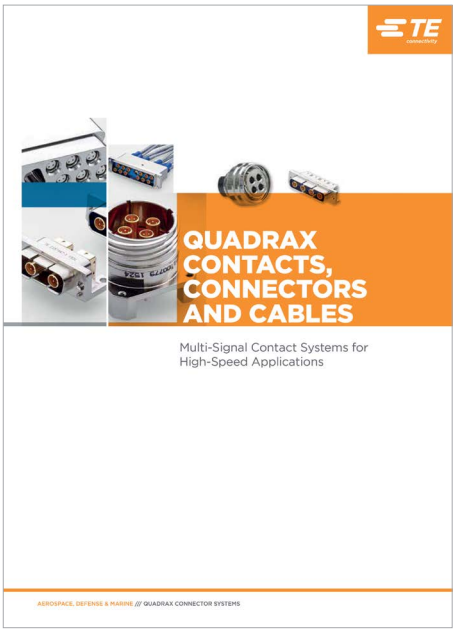

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