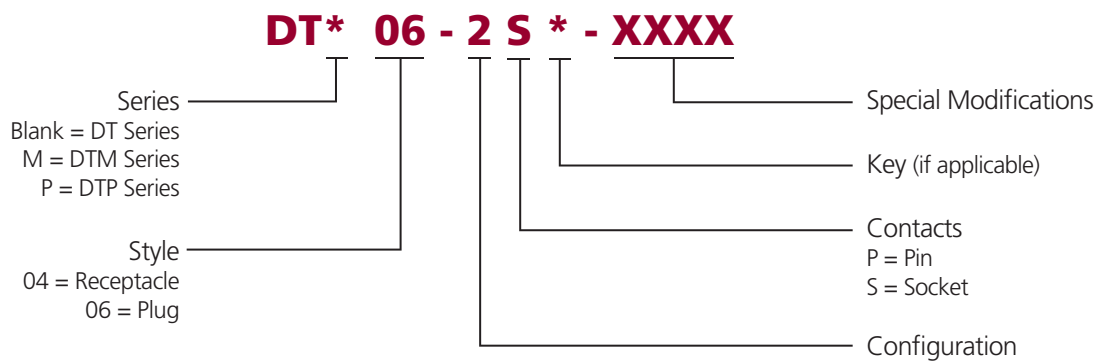


DT Series Overview

Deutsch's DT Series connectors offer field proven reliability and rugged quality. The DT design strengths include optional flange mounting, multi-pin arrangements, lower cost, and design flexibility. The DT Series offers the designer the ability to use multiple size 16 contacts, each with 13 amp continuous capacity, within a single shell.

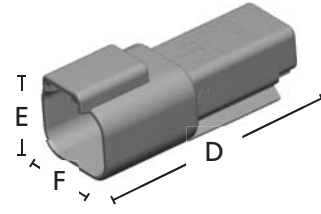
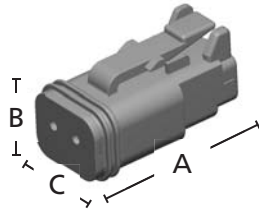


DT Family Part Numbering System





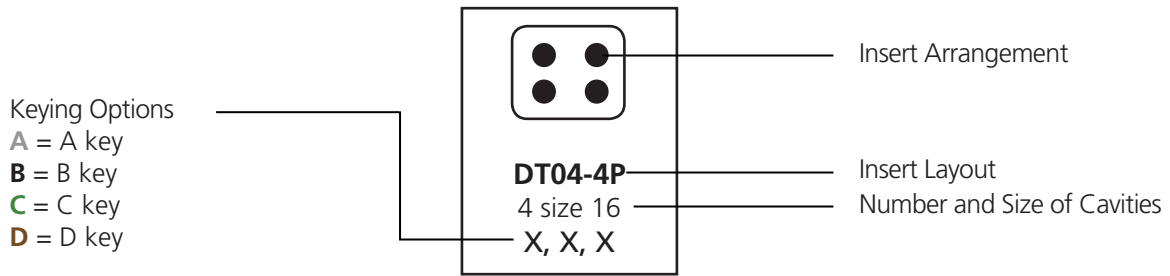
DT Series Dimensions



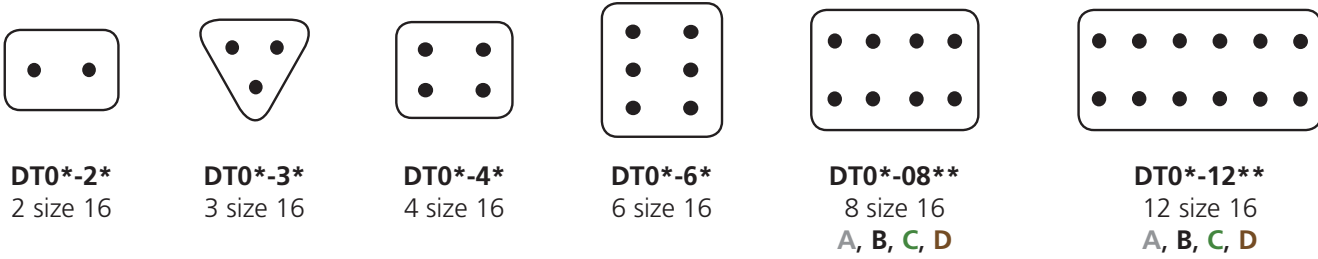
Cavity	DT Plug			DT Receptacle		
	Overall Length A	Overall Height B	Overall Width C	Overall Length D	Overall Height E	Overall Width F
2	1.118 (28.4)	.628 (15.95)	.591 (15.01)	1.708 (43.38)	.670 (17.02)	.675 (17.15)
3	1.118 (28.4)	.934 (23.72)	.718 (18.23)	1.698 (43.13)	.973 (24.71)	.832 (21.13)
4	1.218 (30.94)	.724 (18.39)	.716 (18.19)	1.808 (45.92)	.776 (19.71)	.820 (20.83)
6	1.218 (30.94)	.891 (22.63)	.716 (18.19)	1.808 (45.92)	.951 (24.16)	.820 (20.83)
8	1.217 (30.91)	.776 (19.71)	1.465 (37.21)	1.798 (45.67)	1.000 (25.40)	1.435 (36.45)
12	1.218 (30.94)	.716 (18.19)	1.597 (40.56)	1.808 (45.92)	.876 (22.25)	1.597 (40.56)

Dimensions are for reference only.

DT Family Connector Configurations



DT Series Configurations



■ Solid Contacts

Solid Contacts - Common Contact System

Size	Solid Contact Part Numbers		Wire Size AWG (mm ²)	Recommended Strip Length Inches (mm)	Min. Contact Retention	Ref Crimp Tensile Lbs. (N)	Max Rated Amps at 125° Continuous
	Pin	Socket					
20	0460-202-20**	0462-201-20**	20 (0.50)	.156-.218 (3.96-5.54)	20 (89)	20 (89)	7.5
20	0460-010-20**	0462-005-20**	16-18 (1.0-0.75)	.156-.218 (3.96-5.54)	20 (89)	20 (89)	7.5
16	0460-202-16**	0462-201-16**	16-20 (1.5-0.50)	.250-.312 (6.35-7.92)	25 (111)	35-20 (156-89)	13
16	0460-215-16**	0462-209-16**	14 (2.0)	.250-.312 (6.35-7.92)	25 (111)	70 (311)	13
12	0460-204-12**	0462-203-12**	12-14 (3.0-2.0)	.222-.284 (5.64-7.21)	30 (134)	75-70 (334-311)	25
8	0460-204-08**	0462-203-08**	8-10 (8.0-5.0)	.430-.492 (10.92-12.50)	35 (156)	125-90 (556-400)	60
4	0460-204-04**	0462-203-04**	6 (13.0)	.430-.492 (10.92-12.50)	35 (156)	300 (1334)	100

** = Plating Codes. Consult factory for custom finish needs.

Solid Contacts - C038 Modification

Size	Solid Contact Part Numbers		Wire Size AWG (mm ²)	Recommended Strip Length Inches (mm)	Min. Contact Retention	Ref Crimp Tensile Lbs. (N)	Max Rated Amps at 125° Continuous
	Pin	Socket					
4	5960-203-04141	5962-203-04141	4 (21.0)	.430-.492 (10.92-12.50)	35 (156)	300 (1334)	100

Notice
See information drawing 0425-015-0000. Consult factory for alternate finishes.

Solid Contact Plating Codes

Part Number Suffix (**)	Material
31	Gold
90	Nickel (Size 4 pin only)
141	Nickel











Required Components





■ Secondary Wedgelocks

Deutsch DT style electrical connectors require secondary wedgelocks which are sold separately. The wedgelocks ensure proper contact alignment within each connector. Secondary wedgelocks are assembled at the mating interface and click into place. If by chance the secondary wedgelocks are not properly seated during assembly, they will be pressed into locked position during the mating of the connector.

Adding to the design flexibility of the DT Series, several wedgelocks offer keying options. Wedgelocks for enhanced seal retention plugs (P012) are also available.

DT Series Wedgelocks

Receptacle		
	W2P*	Wedgelock for 2 way receptacle *A, B, C, D keying available
	W3P*	Wedgelock for 3 way receptacle *J1939 keying available
	W4P*	Wedgelock for 4 way receptacle *A, B, C, D keying available
	W6P	Wedgelock for 6 way receptacle
	W8P	Wedgelock for 8 way receptacle
	W12P	Wedgelock for 12 way receptacle

Plug		
	W2S*	Wedgelock for 2 way plug *A, B, C, D keying available
	W3S*	Wedgelock for 3 way plug *J1939 keying available
	W4S*	Wedgelock for 4 way plug *A, B, C, D keying available
	W6S	Wedgelock for 6 way plug
	W8S	Wedgelock for 8 way plug
	W12S	Wedgelock for 12 way plug



Special Modifications

The DT Series connectors offer several modifications to enhance the design flexibility and meet application specific needs. Options include enhanced seal retention, flanges, and connector body color just to mention a few. By combining the DT Series connectors with the available modifications and accessories, the design possibilities are immense.

■ B016 Modification

The B016 receptacle modification provides safety against mis-mating. The B016 is available for the DT 12 way connectors, DT13/15, and DTF13/15 PCB Series connectors. In addition to the four keying positions (A, B, C, or D) and color coding, the B016 enhancement gives the user both visual and tactile proof of correct mating, thus eliminating mis-mating opportunities during assembly.

Please note the P012 plug is the required mate for the B016 receptacle to make the enhancement effective.



■ P012 Modification



The DT P012 plugs provide enhanced front seal retention providing an ultra tight environmental seal. The enhanced seal retention keeps the seal in place during mating and unmating. The P012 modification requires an enhanced P012 wedgelock. Deutsch's P012 modification is available in 2, 3, 4, 6, 8, and 12 cavity arrangements. P012 plugs have a black connector body except for the 8 and 12 cavity arrangements, where the color is based on the key.



■ E007 & E008 Modification

To meet the application requirements where wires need added protection, the DT (E008) and DTM (E007) Series may be supplied with shrink boot adapters. These adapters accept shrink tubing.



■ Flange Modifications

Designed to simplify wire routing and assembly, DT Series receptacles are available in many mounting configurations and styles.

Welded flange

- Welded flange - BL04, BL08, CL03, L012, LE14
- Welded flange, end cap - LE07, LE11
- Welded flange, shrink boot adapter - LE08, LE12

Sealed flange

- Sealed flange, end cap - CL09, LE01, LE05, LE06, LE09, LE10, LE17, LE21
- Sealed flange, shrink boot adapter - BL10, CL07



■ C015 Modification

The C015 modification offers a reduced diameter insert cavity allowing for a proper seal with smaller wire insulation. The C015 modification is also referred to as an "E" seal.



■ E003 Modification

The E003 modification offers a protective end cap attached to the rear of the connector. There are holes in the cap to allow the contacts to be inserted.



■ E004 Modification

The E004 modification changes the connector body color to black.



■ E005 Modification

The E005 modification offers a protective end cap attached to the rear of the connector and has a black connector body.



Notice

For additional modifications, please consult the factory.



How To Instructions

■ Contact Insertion



Step 1:
Grasp crimped contact approximately one inch behind the contact barrel.



Step 2:
Hold connector with rear grommet facing you.



Step 3:
Push contact straight into connector grommet until a click is felt. A slight tug will confirm that it is properly locked in place.



Step 4:
Once all contacts are in place, insert green wedge. The green wedge will snap into place.

■ Contact Removal



Step 1:
Remove green wedge using needlenose pliers to pull wedge straight out.



Step 2:
To remove the contacts, gently pull wire backwards, while at the same time releasing the locking finger by moving it away from the contact with a screwdriver.



Step 3:
Hold the rear seal in place, as removing the contact will displace the seal.

Notice

The receptacle is shown, use the same procedure for the plug.