

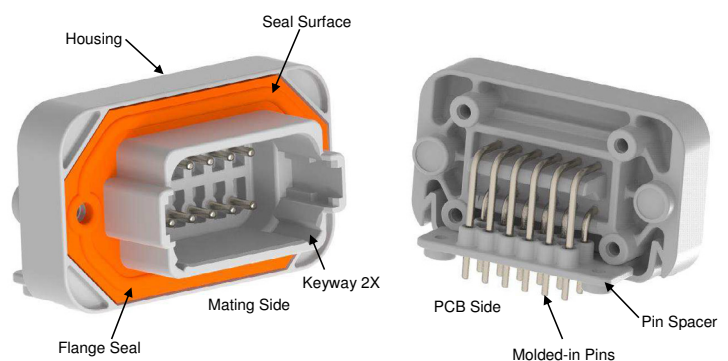
## DEUTSCH DT Header Connectors

### KEY BENEFITS

- Utilizes the high-performance DEUTSCH size 16 common contact system
- Achieves IP67, IP68, and IP6K9K sealing levels (with backshell)
- Designed for extreme temperatures (-55°C to +125°C) and engine-level vibrations
- Constructed from engineering grade resin materials compliant with UL94 V-0 flammability ratings

The DEUTSCH DT connector family offers printed circuit board (PCB) connectors that are heavy duty environmentally sealed connectors designed for wire-to-circuit board connections. DEUTSCH PCB connectors cover a range of pin counts from 2 to 48 and wire gauges from 14 to 20. Many of the connectors are available in straight or 90° pin options.

The DT header connector consist of a housing, molded-in pins, pin spacer and flange seal. The header feature integral latch-style mating. The 8 & 12 pin arrangements feature integral keying and are color coded.



APPLICATIONS



Panel/  
Bulkhead  
Mount



Engine



Chassis



Automation



After-  
Treatment

INDUSTRIES



Truck



Construction



Bus



Power  
Sports



Specialty  
Vehicles



Marine



Agriculture



Lift Truck

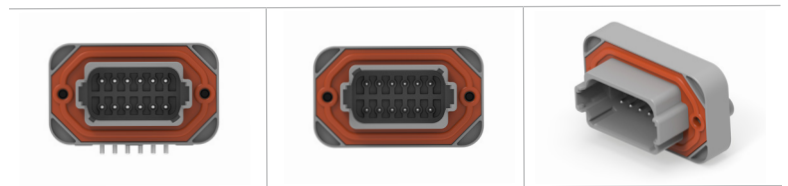


Recreational

PRODUCT PERFORMANCE

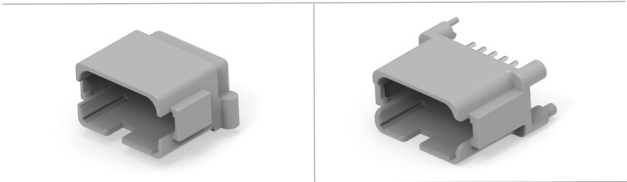
Temperature	Operating at temperatures -55°C to +125°C
Durability	No electrical or mechanical defects after 100 cycles of engagement and disengagement
Vibration	No unlocking or unmating and exhibits no mechanical or physical damage after sinusodal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond
Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial applications
Insulation Resistance	1000 megohms minimum at 25°C
Immersion (Harness Side)	IP67, IP68, and IP6K9K sealing levels (with back shell)
Moisture Resistance	Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage
Dielectric Withstanding Voltage	Current leakage less than 2 milliamps at 1500 volts AC
Thermal Cycle	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C

## DEUTSCH DT HEADER CONNECTOR



Position	Color	Plating	Key	Part Numbers		
				90° Flange	Straight Flange	Straight Flange 5PSI
2	GRY	Ni	N/A	DT13-2P	DT15-2P	DT15-2P-P010
3	GRY	Ni	N/A	N/A	N/A	N/A
4	GRY	Ni	N/A	DT13-4P	DT15-4P	N/A
	GRY	Gold	N/A	DT13-4P-G003	DT15-4P-G003	
6	GRY	Ni	N/A	DT13-6P	DT15-6P	N/A
	GRY	Gold	N/A	DT13-6P-G003	DT15-6P-G003	DT15-6P-GP01
8	GRY	Ni	A	DT13-08PA	DT15-08PA	N/A
	BLK	Ni	B	DT13-08PB	DT15-08PB	
	GRN	Ni	C	DT13-08PC	DT15-08PC	
	BRN	Ni	D	DT13-08PD	DT15-08PD	
	GRY	Gold	A	DT13-08PA-G003	DT15-08PA-G003	
	BLK	Gold	B	DT13-08PB-G003	DT15-08PB-G003	
	GRN	Gold	C	DT13-08PC-G003	DT15-08PC-G003	
	BRN	Gold	D	DT13-08PD-G003	DT15-08PD-G003	
12	GRY	Ni	A	DT13-12PA	DT15-12PA	DT15-12PA-B028
	BLK	Ni	B	DT13-12PB	DT15-12PB	DT15-12PB-B028
	GRN	Ni	C	DT13-12PC	DT15-12PC	DT15-12PC-B028
	BRN	Ni	D	DT13-12PD	DT15-12PD	DT15-12PD-B028
	GRY	Gold	A	DT13-12PA-G003	DT15-12PA-G003	N/A
	BLK	Gold	B	DT13-12PB-G003	DT15-12PB-G003	
	GRN	Gold	C	DT13-12PC-G003	DT15-12PC-G003	
	BRN	Gold	D	DT13-12PD-G003	DT15-12PD-G003	
	GRY	Ni	A-Enhanced	DT13-12PA-B016	DT15-12PA-B016	
	BLK	Ni	B-Enhanced	DT13-12PB-B016	DT15-12PB-B016	
	GRN	Ni	C-Enhanced	DT13-12PC-B016	DT15-12PC-B016	
	BRN	Ni	D-Enhanced	DT13-12PD-B016	DT15-12PD-B016	

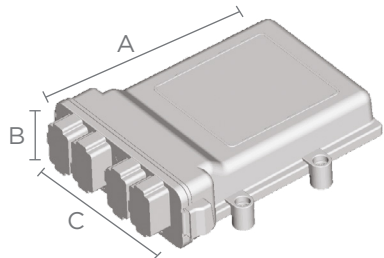
DEUTSCH DT HEADER CONNECTOR



Position	Color	Plating	Key	Part Numbers	
				90° Flange	Straight Flange
2	GRY	Ni	N/A	DTF13-2P	N/A
3	GRY	Ni	N/A	DTF13-3P	
4	GRY	Ni	N/A	DTF13-4P	
	GRY	Gold	N/A	DTF13-4P-G003	
6	GRY	Ni	N/A	DTF13-6P	
	GRY	Gold	N/A	DTF13-6P-G003	
12	GRY	Ni	A	DTF13-12PA	DTF15-12PA
	BLK	Ni	B	DTF13-12PB	DTF15-12PB
	GRN	Ni	C	DTF13-12PC	DTF15-12PC
	BRN	Ni	D	DTF13-12PD	DTF15-12PD
	GRY	Gold	A	DTF13-12PA-G003	DTF15-12PA-G003
	BLK	Gold	B	DTF13-12PB-G003	DTF15-12PB-G003
	GRN	Gold	C	DTF13-12PC-G003	DTF15-12PC-G003
	BRN	Gold	D	DTF13-12PD-G003	DTF15-12PD-G003

PRINTED CIRCUIT BOARD ENCLOSURES AND HEADERS

Compact circuit board enclosures that accept snap-in headers are available. The enclosure features a through hole mounting flange on each side, as well as optional venting. Designed with space to accommodate one or more DT series interfaces, the headers feature 90° pins. A radial flange seal provides environmental sealing to the enclosure. The headers mate with the DT standard plugs.



DT Series Enclosure with Header Dimensions		
Overall Length A	Overall Height B	Overall Width C
7.93 (201.30)	2.15 (54.63)	6.30 (160.00)

Dimensions are for reference only

DT SERIES PCB Enclosure box

DT SERIES Header for Enclosure box



		DT Series Header Part Number			
BOX Part Number	Description	12 Pos Header	24 Pos Header	36 Pos Header	48 Pos Header
EEC-5X650A	DT SERIES PCB ENCLOSURE Box with vent hole	DT13-12PA-R015	DT13-24PAB-R015	DT13-36PABC-R015	DT13-48PABCD-R015
EEC-5X650B	DT SERIES PCB ENCLOSURE Box without vent hole	DT13-12PA-R015	DT13-24PAB-R015	DT13-36PABC-R015	DT13-48PABCD-R015

SPECIFICATION

- Application Specification: [114-151046](#)
- Product Specification: [108-151009](#)
- Product Specification for PCB Enclosure box: [108-151062](#)

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