

D2020

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DEUTSCH

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Mission Statement

To become the preferred supplier of electrical, lighting and safety solutions for mobile plant and equipment in the mining and services industry.

We will continue to improve and expand our range of products that meet and exceed OEM standards, maintaining the latest technology and innovation available backed by technical support and supply.

DEUTSCH

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What's new in DEUTSCH 2020

NEW in DEUTSCH

A range of standardised pack quantities are now available.



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NEW in DEUTSCH

A range of full and half kits are now available.

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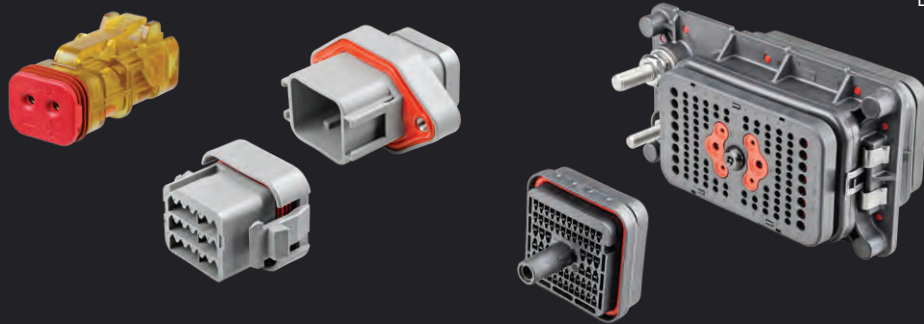


HD30/HDP20 Series
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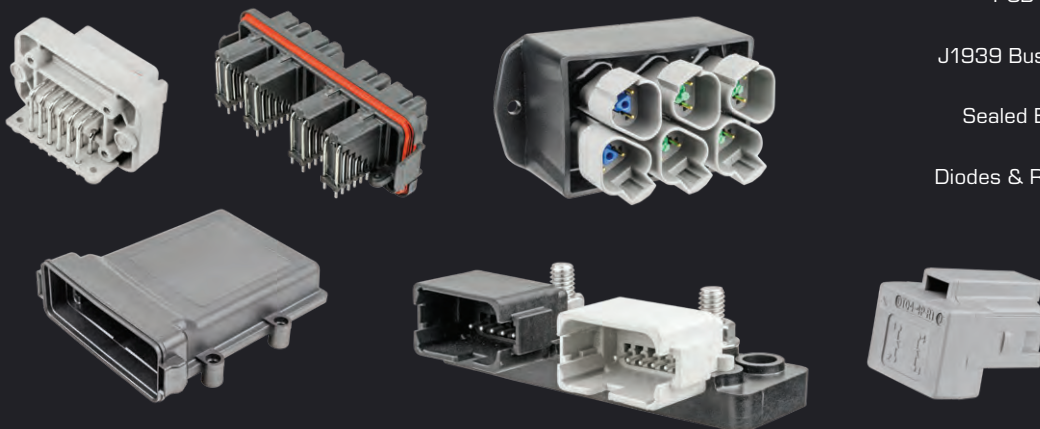
What's new in DEUTSCH 2020

NEW in DEUTSCH



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NEW in Specialty



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NEW in Tools



Crimping Tools	84
Removal Tools	88



Field Proven Reliability

DEUTSCH's rugged all-metal bodies and corrosion resistant thermoplastic shells are manufactured from high quality materials selected for their ability to withstand years of environmental exposure.

DEUTSCH connectors are available in rectangular and cylindrical body shapes and feature :

- Wide operating temperature range.
- Secure locking mechanisms.
- Positive contact retention system.



DEUTSCH silicone seals and grommets fit tightly around the wire insulation and at the connector interface to provide redundant barriers to contamination.

In order to create a reliable environmental seal and ensure continuity of flow, DEUTSCH seals:

- Are resistant to most common industrial and engine fluids.
- Retain their flexibility across a wide temperature range.
- Never require potting or dielectric grease.



With integrated seals designed to work with multiple wire gauges, DEUTSCH connectors simplify design and inventory management, and provide exceptional performance in critical environments.

Common Contact System

The DEUTSCH Industrial Common Contact System is a unique system of interchangeable and intermateable contacts that can be used in many DEUTSCH Industrial connectors.

Contacts are available in Solid or Stamped & Formed (F-Crimp) styles, with plating options including gold or nickel.

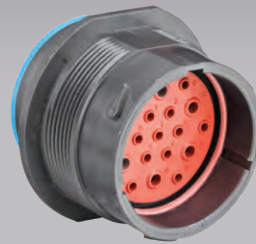
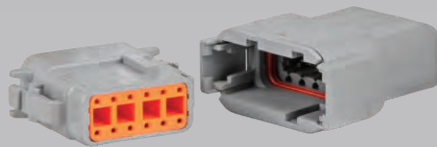
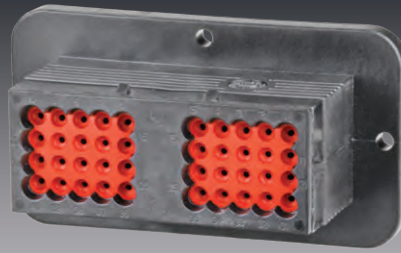
Easy-to-use indent crimpers create a gas tight crimp that is resistant to oxidation. This high-quality crimp allows DEUTSCH contacts to provide reliable, low resistance power and data transmission.



Stamped and Formed (F-Crimp)

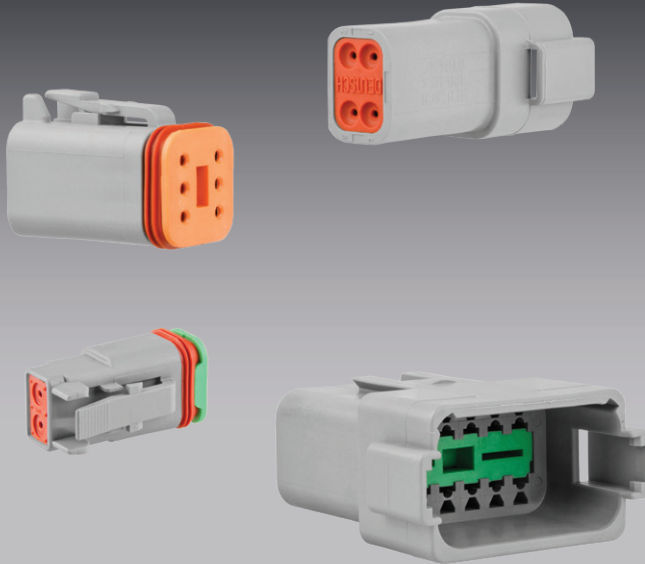
Solid





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- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- 2, 3, 4, 6, 8 and 12 cavity arrangements.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.
- Accepts size 16 contacts, each with 13A continuous capacity.
- Available in kits with Solid Green Band, Solid – Gold-plated, and F-Crimp contact options.
- CAT-Spec kit option.
- Kits available containing all components required to make one (half kits), or both sides of a connection.
- The PO12 enhanced seal is now standard for the DT Series 2 & 3 cavity plugs.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedglock :	Thermoplastic
Contact Size :	16
Contact Rating :	13A @ 125°C
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C

Part Numbering System

DT 04 – 08 P A – L012

Series Prefix :
DT Series – **DT**

Connector Style :



Receptacle – **04**



Plug – **06**

Number of Cavities :

- 2
- 3
- 4
- 6
- 08
- 12

Popular Special Modifications :

- blank* – No modification.
- C015** – Reduced diameter seal (E Seal).
- E004** – Black connector body.
- E005** – Protective end cap. Black.
- E008** – Heat shrink adaptor.
- EP06** – Enhanced front seal (PO12) and end cap.
- EP08** – Enhanced front seal (PO12) and end cap. Black.
- L012** – Flange Mount receptacle.
- P012** – Enhanced front seal.

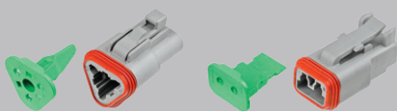
For a complete list of special modifications see page 95–99

Keying Options :

- blank* – no keying
- A** – Grey housing
- B** – Black housing
- C** – Green housing
- D** – Brown housing

Keying Option is only available with 08 and 12 cavity housings.

2 & 3 Cavity Plugs & Wedgelocks



The PO12 enhanced seal is now standard for the DT Series 2 & 3 cavity plugs. The orange 2 & 3 cavity wedgelocks are no longer used, replaced with the green PO12 wedgelocks.

P – Pins
S – Sockets Contact Type

January 2022 –

Temporary Green Housing Change

Due to material shortages, some green housing connectors may use a grey housing with a green seal retention cap, until further notice.

DT0X-2X



2 x size 16

DT0X-3X



3 x size 16

DT0X-4X



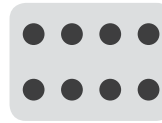
4 x size 16

DT0X-6X



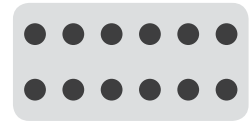
6 x size 16

DT0X-08XX



8 x size 16
A, B, C, D

DT0X-12XX



12 x size 16
A, B, C, D

DT Series – Popular Components

Circuits	Receptacle Components			Circuits	Plug Components		
	Housing	Wedglock	Size 16 Pin – Nickel		Housing	Wedglock	Size 16 Socket – Nickel
2	DT04-2P	W2P	0460-202-16141 AWG20-16 / 0.5-1.0mm ²	2	DT06-2S	W2S-PO12	0462-201-16141 AWG20-16 / 0.5-1.0mm ²
3	DT04-3P	W3P		3	DT06-3S	W3S-PO12	
4	DT04-4P	W4P	Green Band	4	DT06-4S	W4S	Green Band
6	DT04-6P	W6P	0460-215-16141 AWG14 / 1.0-2.0mm ²	6	DT06-6S	W6S	0462-209-16141 AWG14 / 1.0-2.0mm ²
8	DT04-08PA	W8P		8	DT06-08SA	W8S	
12	DT04-12-PA	W12P	114017 Cavity Plug	12	DT06-12SA	W12S	114017 Cavity Plug

For complete details on contacts & further options see page 63

'CAT-Spec' Modifications



DT04-3P-E005

DT06-6S-EPO6

DT06-12SA-EPO8

Black.
Rear end cap.
Improved seal retention (plugs).

The DT Series connector housings with suffix E005, EPO6 & EPO8 are typically referred to as 'CAT-Spec', short for CATERPILLAR Specification.

These modified housings are used on most CATERPILLAR mining machinery as an OEM standard connector.

At a glance, they are black and feature a cap on the rear to retain the connectors' rear wire seal. The plugs include improved seal retention by using the PO12 wedglock.

E005 – Receptacles only. Black.

EPO6 – Plugs only. 2, 3, 4 & 6 cavity are black. 8 & 12 cavity are grey – this makes them exempt from being 'CAT-Spec'.

EPO8 – Plugs only. 8 & 12 cavities only. Black.

For a complete list of special modifications see page 95–99

Popular Special Modifications

E008

Heat shrink adaptor.

DT04-2P-E008



C015

Reduced diameter seal (E Seal) cavity for use with thin wall cable.

DT04-4P-C015



L012

Flange mount receptacle.



DT04-2P-L012

Shown with W6S-PO12 wedglock



DT06-6S-PO12



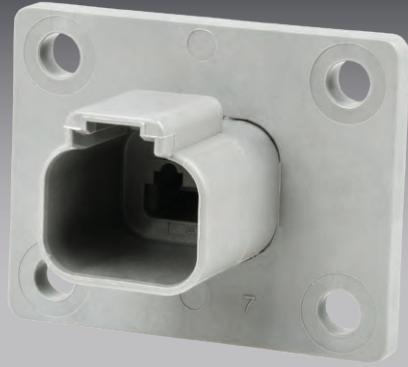
PO12

Enhanced front seal. Provides an ultra tight environmental seal. Used in conjunction with PO12 wedglocks to enhance seal retention during mating and unmating.

Black housing excluding 8 and 12 cavity, where the colour is based on keying.

All 2 & 3 cavity DT Series connectors now feature the PO12 seal as standard. All 2 & 3 cavity wedglocks are PO12 (green) as standard.





DT04-2P-LO12



- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- 2, 3, 4, 6, 8 and 12 cavity arrangements.
- Kits available containing all components required to make both sides of a connection.
- Latched mating.
- Accepts size 16 contacts, each with 13A continuous capacity.

Housing : Thermoplastic
Seal : Silicone Rubber
Wedgelock : Thermoplastic
Contact Size : 16
Contact Rating : 13A @ 125°C
Shock : 50G
Vibration : 20G rms 10 – 2000Hz
Approvals : 20mm Flame Test per Standard UL-94
Ingress Protection : IP68, IP6K9K
Operating Temperature : -55°C to 125°C



DT Series – Flange Mount (LO12)

		No. of Cavities					
		2	3	4	6	8	12
		DT04-2P-LO12	DT04-3P-LO12	DT04-4P-LO12	DT04-6P-LO12	DT04-08PA-LO12	DT04-12PA-LO12



DT12-1-LO12

DT Series – Kits – Flange Mount (LO12) NEW

Contact Type	Contact Size	No. of Cavities					
		2	3	4	6	8	12
Solid – Green Band	16	DT2-1-LO12	DT3-1-LO12	DT4-1-LO12	DT6-1-LO12	DT8-1-LO12	DT12-1-LO12

Kit Contents:
 1 x Receptacle & Wedgelock
 1 x Plug & Wedgelock
 Contacts to suit



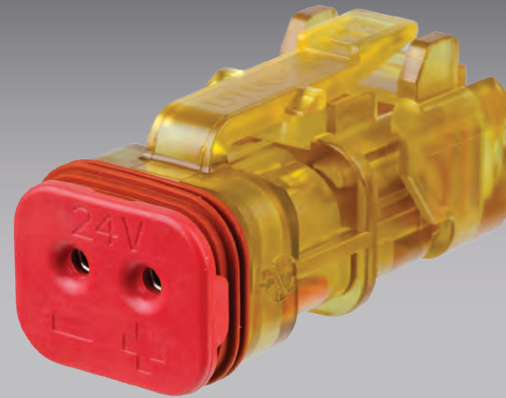
DT Series – Flange Mount – Gaskets NEW

		No. of Cavities					
		2	3	4	6	8	12
		—	DT3P-LO12-GKT	DT4P-LO12-GKT	—	DT8P-LO12-GKT	DT12P-LO12-GKT

NEW

DT Detector Half Kits

- Transparent housing with integrated LED on wedgelock for quick circuit diagnosis.
- Colour coded wedgelocks for operating voltages, 12V (yellow) and 24V (red).
- Joint retention fingers allow both contacts to be removed at the same time.
- Compatible with Pulse Width Modulated control.
- Sold as complete kit including nickel-plated or green band contacts.
- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Industry proven DT Series.
- Latched mating.



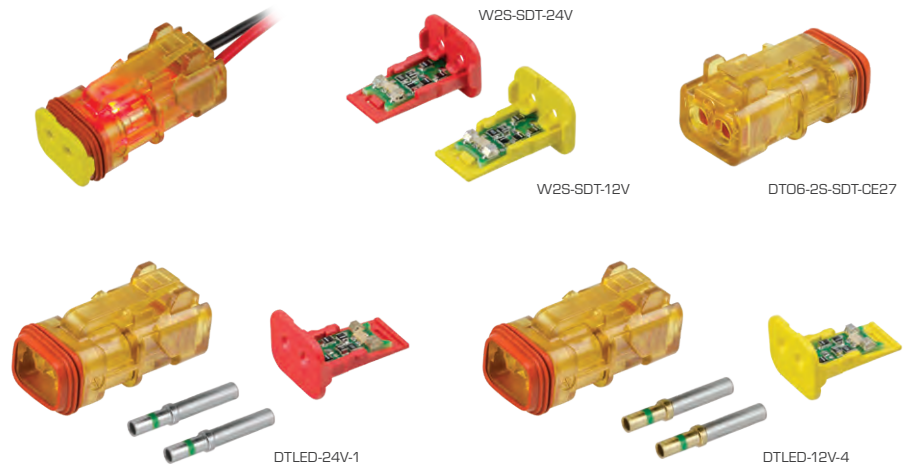
Housing : Ultem
Seal : Silicone Rubber
Wedgelock : Thermoplastic
Contact Size : 16
Contact Rating : 13A @ 125°C
Shock : 50G
Vibration : 20G rms 10 – 2000Hz
Approvals : 20mm Flame Test per Standard UL-94
Ingress Protection : IP68, IP6K9K
Operating Temperature : -55°C to 125°C



Half Kits

Half Kits contain all components to make one half of a connection.

Each kit contains 2 x contacts and a DT Detector receptacle with a DT Detector Wedgelock.



DT Detector Half Kits NEW

Part No.	Voltage	Wedgelock Colour	Socket Type	Wire Size	
				AWG	mm ²
DTLED-12V-1	12	Yellow	0462-209-16141 – Green Band, Nickel-plating	14	1.0 – 2.0
DTLED-24V-1	24	Red	0462-209-16141 – Green Band, Nickel-plating	14	1.0 – 2.0
DTLED-12V-3	12	Yellow	0462-201-16141 – Nickel-plating	20 – 16	0.5 – 1.0
DTLED-24V-3	24	Red	0462-201-16141 – Nickel-plating	20 – 16	0.5 – 1.0
DTLED-12V-4	12	Yellow	0462-209-1631 – Green Band, Gold-plating	14	1.0 – 2.0
DTLED-24V-4	24	Red	0462-209-1631 – Green Band, Gold-plating	14	1.0 – 2.0

Kit Contents:
 1 x DT Detector Receptacle (DT06-2S-SDT-CE27)
 1 x DT Detector Wedgelock (W2S-SDT-12V or W2S-SDT-24V)
 2 x Solid Socket



DEUTSCH



DT Series – Pack Quantities – Housings NEW

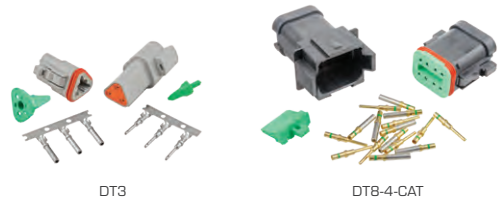
Receptacles						Plugs						
Cavities	Part No.	10	50	100	Bulk Box	Cavities	Part No.	10	50	100	Bulk Box	
2	DT04-2P	●	●	●	1000	2	DT06-2S	●	●	●	1800	
	DT04-2P-C015	●	—	—	1000		DT06-2S-C015	●	●	—	1800	
	DT04-2P-E005	●	●	●	950		DT06-2S-E008	●	●	●	1200	
	DT04-2P-E008	●	●	●	800		DT06-2S-EP06	●	●	●	1600	
	DT04-2P-L012	●	●	—	400							
3	DT04-3P	●	●	●	850	3	DT06-3S	●	●	●	1400	
	DT04-3P-C015	●	—	—	850		DT06-3S-C015	●	●	—	1400	
	DT04-3P-E005	●	●	●	800		DT06-3S-E008	●	●	●	900	
	DT04-3P-E008	●	●	●	600		DT06-3S-EP06	●	●	●	1200	
	DT04-3P-L012	●	●	—	450		DT06-3S-EP09	●	—	●	1100	
	DT04-3P-P006	●	●	●	750		DT06-3S-EP11	●	—	—	900	
	DT04-3P-P007	●	●	—	200		DT06-3S-P006	●	—	—	1000	
					DT06-3S-PP01	●	—	—	1000			
4	DT04-4P	●	●	●	700	4	DT06-4S	●	●	●	1200	
	DT04-4P-C015	●	●	—	700		DT06-4S-E008	●	—	●	800	
	DT04-4P-E005	●	●	●	700		DT06-4S-EP06	●	●	●	1000	
	DT04-4P-E008	●	●	●	500							
	DT04-4P-EP13	●	—	●	700							
	DT04-4P-L012	●	●	—	350							
6	DT04-6P	●	●	●	600	6	DT06-6S	●	●	●	900	
	DT04-6P-C015	●	—	—	600		DT06-6S-C015	●	—	—	900	
	DT04-6P-E005	●	●	●	500		DT06-6S-E008	●	●	●	550	
	DT04-6P-E008	●	●	—	450		DT06-6S-EP06	●	●	●	800	
	DT04-6P-EP13	●	—	—	500							
	DT04-6P-EP14	●	—	—	500							
	DT04-6P-L012	●	●	—	400							
8	DT04-08PA	●	●	●	350	8	DT06-08SA	●	●	●	550	
	DT04-08PA-C015	●	—	—	350		DT06-08SA-C015	●	—	—	550	
	DT04-08PA-E005	●	●	—	300		DT06-08SA-E008	●	●	—	400	
	DT04-08PA-E008	●	—	—	250		DT06-08SA-EP06	●	—	—	500	
	DT04-08PA-L012	●	—	—	200		DT06-08SA-EP08	●	●	—	500	
12	DT04-12PA	●	●	—	300	12	DT06-12SA	●	●	—	500	
	DT04-12PA-C015	●	—	—	300		DT06-12SA-C015	●	—	—	500	
	DT04-12PA-E005	●	●	—	250		DT06-12SA-E008	●	●	—	350	
	DT04-12PA-E008	●	—	—	250		DT06-12SA-EP06	●	—	—	450	
	DT04-12PA-L012	●	—	—	200		DT06-12SA-EP08	●	●	—	450	
	DT04-12PB	●	—	—	300		DT06-12SB	●	—	—	500	
					DT06-12SB-EP06	●	—	—	450			
					DT06-12SC	●	—	—	500			
					DT06-12SD	●	—	—	500			

Bulk Boxes are available for the complete range of DEUTSCH upon request, lead times may apply.

Size 16 Green Band Contacts

Size 16 solid contacts are available to suit 2 wire sizes.

Contacts with the **Green Band** marking accept the larger wire size of AWG14 / 1.0 – 2.0mm².



DT3

DT8-4-CAT

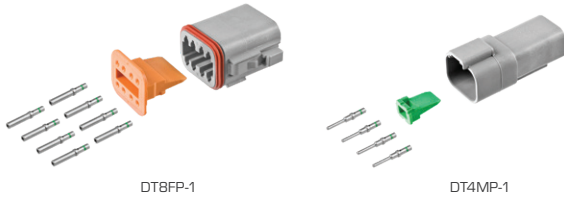
DT Series – Pack Quantities – Kits NEW

Cavities	Connector Type	Contact Type (Size 16)	Part No.	Pack Quantities			
				10	100	500	1000
2	Standard	F-Crimp	DT2	—	—	—	—
		Solid – Green Band	DT2-1	●	●	●	●
		Solid	DT2-3	—	—	—	—
		Solid – Green Band Gold-plated	DT2-4	—	—	—	—
	Standard – A Keying	Solid – Green Band	DT2A-1	—	—	—	—
	Heat Shrink Adaptor	Solid – Green Band	DT2-1-E008	—	—	—	—
	Black	Solid – Green Band	DT2-1B	—	—	—	—
	Black – A Keying	Solid – Green Band	DT2A-1B	—	—	—	—
	CAT-Spec	Solid – Green Band	DT2-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT2-4-CAT	—	—	—	—
3	Standard	F-Crimp	DT3	—	—	—	—
		Solid – Green Band	DT3-1	●	●	●	—
		Solid	DT3-3	—	—	—	—
	CAT-Spec	Solid – Green Band Gold-plated	DT3-4	—	—	—	—
		Solid – Green Band	DT3-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT3-4-CAT	—	—	—	—
4	Standard	F-Crimp	DT4	—	—	—	—
		Solid – Green Band	DT4-1	●	●	●	—
		Solid	DT4-3	—	—	—	—
	CAT-Spec	Solid – Green Band Gold-plated	DT4-4	—	—	—	—
		Solid – Green Band	DT4-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT4-4-CAT	—	—	—	—
6	Standard	F-Crimp	DT6	—	—	—	—
		Solid – Green Band	DT6-1	●	●	—	—
		Solid	DT6-3	—	—	—	—
	CAT-Spec	Solid – Green Band Gold-plated	DT6-4	—	—	—	—
		Solid – Green Band	DT6-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT6-4-CAT	—	—	—	—
8	Standard	F-Crimp	DT8	—	—	—	—
		Solid – Green Band	DT8-1	●	●	—	—
		Solid	DT8-3	—	—	—	—
	CAT-Spec	Solid – Green Band Gold-plated	DT8-4	—	—	—	—
		Solid – Green Band	DT8-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT8-4-CAT	—	—	—	—
12	Standard	F-Crimp	DT12	—	—	—	—
		Solid – Green Band	DT12-1	●	●	—	—
		Solid	DT12-3	—	—	—	—
	CAT-Spec	Solid – Green Band Gold-plated	DT12-4	—	—	—	—
		Solid – Green Band	DT12-1-CAT	—	—	—	—
		Solid – Green Band Gold-plated	DT12-4-CAT	—	—	—	—

Kit Contents:
1 x Receptacle & Wedgelock, 1 x Plug & Wedgelock, Contacts to suit



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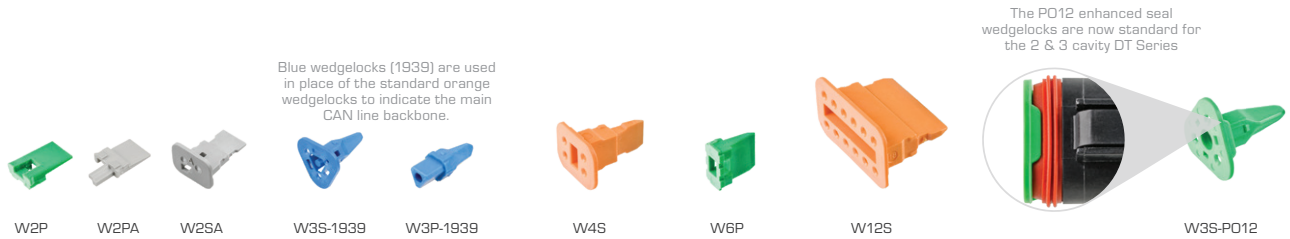


Half Kits
 Half Kits contain all components to make one half of a connection.
 Each kit contains **Green Band** contacts and a standard DT Series housing with appropriate wedgelock.

DT Series – Half Kits NEW

Style	Contact Type (Size 16)	No. of Cavities					
		2	3	4	6	8	12
Receptacle	Solid – Green Band	DT2MP-1	DT3MP-1	DT4MP-1	DT6MP-1	DT8MP-1	DT12MP-1
Plug	Solid – Green Band	DT2FP-1	DT3FP-1	DT4FP-1	DT6FP-1	DT8FP-1	DT12FP-1

Kit Contents:
 1 x Housing & Wedgelock
 Contacts to suit



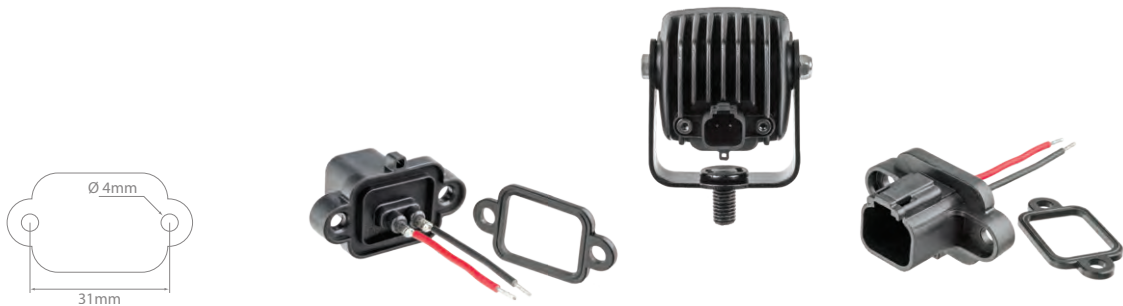
DT Series – Pack Quantities – Wedgelocks NEW

Cavities	Type	Suits	Part No.	10	50	100	1000	Bulk Box
2	Standard	Receptacles	W2P	●	●	●	●	22,000
	Enhanced Seal	Plugs	W2S-P012	●	●	●	●	8000
	A Keying	Receptacles	W2PA	—	—	—	—	—
	A Keying	Plugs	W2SA	—	—	—	—	—
3	Standard	Receptacles	W3P	●	●	●	●	20,000
	Enhanced Seal	Plugs	W3S-P012	●	●	●	●	6000
	J1939	Plugs	W3S-1939	●	●	●	—	—
	J1939	Receptacles	W3P-1939	●	●	●	—	—
4	Standard	Receptacles	W4P	●	●	●	—	15,000
	Standard	Plugs	W4S	●	●	●	—	5000
	Enhanced Seal	Plugs	W4S-P012	●	●	●	—	6000
6	Standard	Receptacles	W6P	●	●	●	—	10,000
	Standard	Plugs	W6S	●	●	●	—	3500
	Enhanced Seal	Plugs	W6S-P012	●	●	●	—	4000
8	Standard	Receptacles	W8P	●	●	●	—	5000
	Standard	Plugs	W8S	●	●	●	—	2500
	Enhanced Seal	Plugs	W8S-P012	●	●	●	—	2000
12	Standard	Receptacles	W12P	●	●	●	—	5000
	Standard	Plugs	W12S	●	●	●	—	2000
	Enhanced Seal	Plugs	W12S-P012	●	●	●	—	2000



DT Series – Mounting Clips

Part No.	Suits	Mounting Direction	Material	Mounting Hole Ø (mm)	Pack Quantities		
					10	25	100
1011-026-0205	All except 8 cavity	Straight	Thermoplastic	5	—	—	—
1011-027-0805	8 cavity connectors only	Straight	Thermoplastic	5	—	—	—
1027-001-0800	8 cavity connectors only	Straight	Stainless steel	11	•	•	•
1027-003-1200	All except 8 cavity	Straight	Stainless steel	11	•	•	•
1027-005-1200	All except 8 cavity	Straight	Stainless steel	13	•	•	•
1027-008-1200	All except 8 cavity	Side	Zinc-plated steel	11	•	•	•
1027-009-1200 NEW	All except 8 cavity	Side	Zinc-plated steel	13	•	•	•



DT Series – Special – Flange Mount Receptacle

Part No.	Description	Wire Length	Mating Plug
DT2-PM	2 pin flange mount receptacle with soldered wires and rubber sealing gasket	40mm	DT06-2S



DEUTSCH



DT Series – Accessories – Insulators/Boots

	Colour	No. of Cavities					
		2	3	4	6	8	12
Receptacles – 120mm	Black	DTB2P	DTB3P	DTB4P	DTB6P	DTB8P	DTB12P
Plugs – 120mm	Black	DTB2S	DTB3S	DTB4S	DTB6S	DTB8S	DTB12S
Receptacles – 65mm	Grey	DT2P-BT	DT3P-BT	DT4P-BT	DT6P-BT	DT8P-BT	DT12P-BT
Plugs – 65mm	Grey	DT2S-BT	DT3S-BT	DT4S-BT	DT6S-BT	DT8S-BT	DT12S-BT
Receptacles – 65mm	Black		DT3P-BT-BK				

Material: Plastisol.



DT Series – Dust Caps – Plugs

Part No.	No. of Cavities					
	2	3	4	6	8	12
	1011-344-0205	1011-345-0305	1011-346-0405	1011-347-0605	1011-348-0805	1011-349-1205
Suits	DT06-2S	DT06-3S	DT06-4S	DT06-6S	DT06-08S	DT06-12S

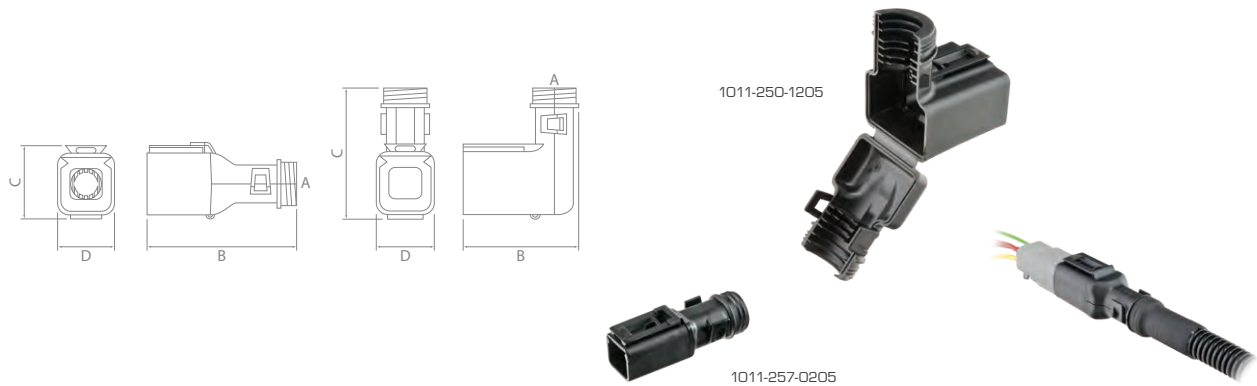
Material: Thermoplastic.



DT Series – Dust Caps – Receptacles NEW

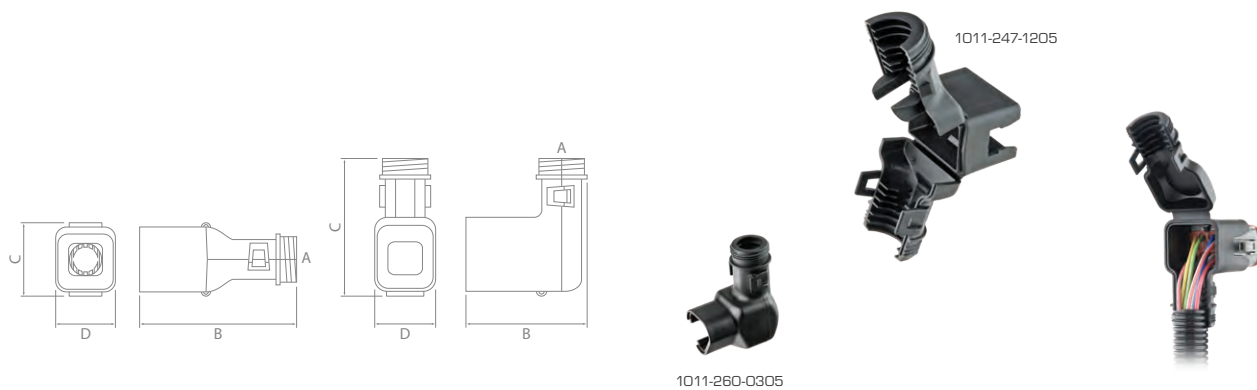
Part No.	No. of Cavities		
	3	4	6
	DT3P-DC	DT4P-DC	DT6P-DC
Suits	DT04-3P	DT04-4P	DT04-6P

Material: Plastisol.



DT Series – Backshells – Receptacles

Straight	90°	Suits	A (NW)	A (NC)	B (mm)	C (mm)	D (mm)
1011-257-0205	1011-258-0205	DT04-2P	7.5, 8.5, 10	8, 10, 12	55	20	45
1011-261-0305	1011-262-0305	DT04-3P	7.5, 8.5, 10	8, 10, 12	65	27	56
1011-265-0405	1011-266-0405	DT04-4P	7.5, 8.5, 10	8, 10, 12	59	24	53
1011-269-0605	1011-270-0605	DT04-6P	8.5, 10, 13	10, 12, 16	65	28	55
1011-245-0805	1011-246-0805	DT04-08P	8.5, 10, 13	10, 12, 16	62	30	57
1011-249-1205	1011-250-1205	DT04-12P	12, 13, 17	14, 16, 20	64	29	59

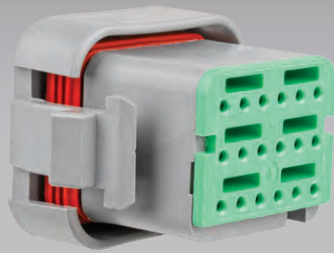
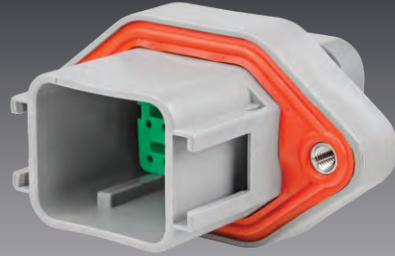


DT Series – Backshells – Plugs

Straight	90°	Suits	A (NW)	A (NC)	B (mm)	C (mm)	D (mm)
1011-255-0205	1011-256-0205	DT06-2S	7.5, 8.5, 10	8, 10, 12	42	37	32
1011-259-0305	1011-260-0305	DT06-3S	7.5, 8.5, 10	8, 10, 12	46	48	37
1011-263-0405	1011-264-0405	DT06-4S	7.5, 8.5, 10	8, 10, 12	44	45	35
1011-267-0605	1011-268-0605	DT06-6S	8.5, 10, 13	10, 12, 16	45	50	39
1011-243-0805	1011-244-0805	DT06-08S	8.5, 10, 13	10, 12, 16	49	51	41
1011-247-1205	1011-248-1205	DT06-12S	12, 13, 17	14, 16, 20	55	51	45



NEW



- 18 cavity arrangement.
- Protective end cap as standard.
- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Accepts size 16 contacts, each with 13A continuous capacity.
- Flange mount receptacle.
- Rectangular, thermoplastic housing.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.



Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedglock :	Thermoplastic
Contact Size :	16
Contact Rating :	13A @ 125°C
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C

Part Numbering System

DTV 02 - 18 S A

Series Prefix :
DTV Series – **DTV**

Connector Style :



Receptacle – **02**



Plug – **06**

Keying Options :

- A** – Grey housing
- B** – Black housing
- C** – Green housing
- D** – Brown housing

Contact Type

- P** – Pins
- S** – Sockets

18 – Number of Cavities

For complete details on contacts & further options see page 63



DTV02-18PA



DTV06-18SA



WV-18P



WV-18S

DTV Series **NEW**

A Keying	B Keying (Black housing)	Style	Wedglock
DTV02-18PA	DTV02-18PB	Receptacle	WV-18P
DTV06-18SA	DTV06-18SB	Plug	WV-18S

NEW

- 604 piece workshop kits containing assortments of DT Series connectors & contacts.
- Available in regular connector kit or 'CAT-Spec' connector kit.
- Includes crimp tool and multi-use removal tool.
- Connectors environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Solid contacts.
- Includes wedgelocks & cavity plugs.
- Removable compartment boxes.
- Contents clearly labelled.
- For entire range of Assortment Kits see pages 24 – 26.



Housing : Thermoplastic
Seal : Silicone Rubber
Wedglock : Thermoplastic
Contact : Copper Alloy
Contact Plating : Nickel
Contact Size : 16
Contact Rating : 13A @ 125°C
Shock : 50G
Vibration : 20G rms 10 – 2000Hz
Approvals : 20mm Flame Test per Standard UL-94
Ingress Protection : IP68, IP6K9K
Operating Temperature : -55°C to 125°C



DTKIT-WORKSHOP

DTKIT-W/SHOP-CAT

Workshop Assortment Kits – DT Series NEW

Part No.

Kit Contents

DTKIT-WORKSHOP

604 Piece

Solid contacts

Standard DT Series connectors

Crimp and Multi-Use tool

Receptacles & Wedgelocks:

10 x DT04-2P & W2P
 10 x DT04-3P & W3P
 6 x DT04-4P & W4P
 6 x DT04-6P & W6P
 3 x DT04-8PA & W8P
 3 x DT04-12PA & W12P

Tools: 1 x Crimping Tool (DET16), 1 x Removal Tool (DET-RT)

Plugs & Wedgelocks:

10 x DT06-2S & W2S-PO12
 10 x DT06-3S & W3S-PO12
 6 x DT06-4S & W4S
 6 x DT06-6S & W6S
 3 x DT06-8SA & W8S
 3 x DT06-12SA & W12S

Contacts & Cavity Plugs:

50 x Cavity Plug (114017)
 100 x Green Band Solid Pin (0460-215-16141)
 100 x Green Band Solid Socket (0462-209-16141)
 100 x Solid Pin (0460-202-16141)
 100 x Solid Socket (0462-201-16141)

DTKIT-W/SHOP-CAT

604 Piece

Solid contacts

'CAT-Spec' DT Series connectors

Crimp and Multi-Use tool

Receptacles & Wedgelocks:

10 x DT04-2P-E005
 10 x DT04-3P-E005
 6 x DT04-4P-E005
 6 x DT04-6P-E005
 3 x DT04-08PA-E005
 3 x DT04-12PA-E005

Tools: 1 x Crimping Tool (DET16), 1 x Removal Tool (DET-RT)

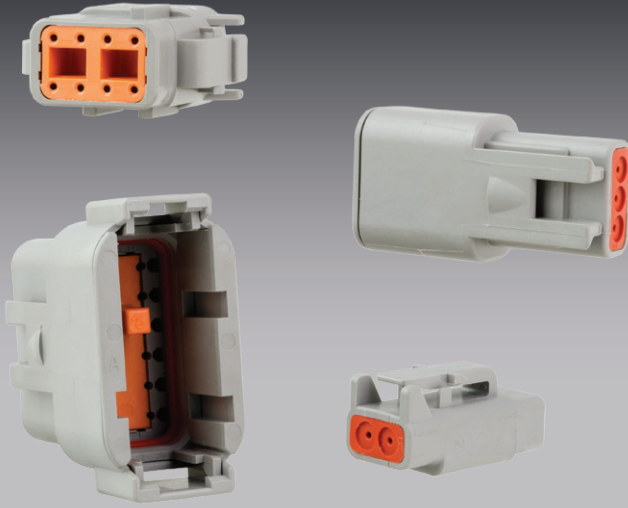
Plugs & Wedgelocks:

10 x DT06-2S-EPO6
 10 x DT06-3S-EPO6
 6 x DT06-4S-EPO6
 6 x DT06-6S-EPO6
 3 x DT06-08SA-EPO8
 3 x DT06-12SA-EPO8

Contacts & Cavity Plugs:

50 x Cavity Plug (114017)
 100 x Green Band Solid Pin (0460-215-16141)
 100 x Green Band Solid Socket (0462-209-16141)
 100 x Solid Pin (0460-202-16141)
 100 x Solid Socket (0462-201-16141)





- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- 2, 3, 4, 6, 8 and 12 cavity arrangements.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.
- Accepts size 20 contacts, each with 7.5A continuous capacity.
- Available in Kits with Solid Purple Band, or Solid – Gold-plated contact options.
- Each Kit contains all components required to make both sides of a connection.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedglock :	Thermoplastic
Contact Size :	20
Contact Rating :	7.5A @ 125°C
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C

Part Numbering System

DTM 06 – 12 S A – E007

Series Prefix :
DTM Series – **DTM**

Connector Style :



Receptacle – **04**



Plug – **06**

Number of Cavities :

- 2
- 3
- 4
- 6
- 08
- 12

Keying Options :

- blank – no keying
- A** – Grey housing
- B** – Black housing
- C** – Green housing
- D** – Brown housing

Contact Type :

- Pins – **P**
- Sockets – **S**

Special Modifications :

- blank – No modification.
- E007** – Heat shrink adaptor.
- E004** – Black connector body.
- P006** – 120 Ohm terminating resistor.
- EP10** – 120 Ohm terminating resistor. Black.
- L012** – Flange Mount receptacle.

Keying Option is only available with 08 and 12 cavity housings.

January 2022 – Temporary Green Housing Change

Due to material shortages, some green housing connectors may use a grey housing with a green seal retention cap, until further notice.

Special Modifications

E007

Heat shrink adaptor.

DTM04-2P-E007



E004

Black connector body.

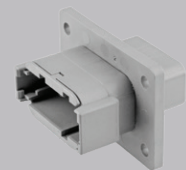
DTM04-4P-E004



L012

Flange Mount receptacle.

DTM04-12PA-L012



P006

120 Ohm terminating resistor.

DTM04-2P-P006



EP10

120 Ohm terminating resistor. Black.

DTM06-2S-EP10



For a complete list of special modifications see page 95–99



DTM Series – Popular Components

Circuits	Receptacle Components			Plug Components		
	Housing	Wedgeloock	Size 20 Pin – Nickel	Housing	Wedgeloock	Size 20 Socket – Nickel
2	DTM04-2P	WM-2P	0460-202-20141 AWG20 / 0.2-0.5mm ²	DTM06-2S	WM-2S	0462-201-20141 AWG20 / 0.2-0.5mm ²
3	DTM04-3P	WM-3P		DTM06-3S	WM-3S	
4	DTM04-4P	WM-4P	Purple Band	DTM06-4S	WM-4S	Purple Band
6	DTM04-6P	WM-6P	0460-010-20141 AWG18-16 / 0.75-1.3mm ²	DTM06-6S	WM-6S	0462-005-20141 AWG18-16 / 0.75-1.3mm ²
8	DTM04-08PA	WM-8P		DTM06-08SA	WM-8S	
12	DTM04-12-PA	WM-12P	0413-204-2005 Cavity Plug	DTM06-12SA	WM-12S	0413-204-2005 Cavity Plug

For complete details on contacts & further options see page 63



DTM Series – Pack Quantities – Housings NEW

Cavities	Part No.	Receptacles				Cavities	Part No.	Plugs			
		10	50	100	Bulk Box			10	50	100	Bulk Box
2	DTM04-2P	●	—	●	1200	2	DTM06-2S	●	●	●	3000
	DTM04-2P-E007	●	—	—	1000		DTM06-2S-E007	●	●	—	2000
	DTM04-2P-P006	●	—	—	1000						
	DTM04-2P-P007	●	—	—	200						
3	DTM04-3P	●	●	●	1000	3	DTM06-3S	●	●	●	2000
4	DTM04-4P	●	●	●	800	4	DTM06-3S-E007	●	●	—	1400
							DTM06-4S	●	●	—	1600
							DTM06-4S-E004	●	—	—	1600
6	DTM04-6P	●	●	●	650	6	DTM06-4S-E007	●	—	—	1200
							DTM06-6S	●	●	—	1300
8	DTM04-08PA	●	—	—	500	8	DTM06-6S-E007	●	●	—	1000
							DTM06-08SA	●	●	—	900
12	DTM04-12PA	●	—	—	350	12	DTM06-08SA-E007	●	—	—	600
	DTM04-12PB	●	—	—	350		DTM06-12SA	●	●	●	600
							DTM06-12SA-E007	●	—	—	500
							DTM06-12SB	●	●	—	600
							DTM06-12SC	●	—	—	600
					DTM06-12SD	—	—	—	600		

Bulk Boxes are available for the complete range of DEUTSCH upon request, lead times may apply





DTM Series – Kits

Contact Type	Size	Pack Quantity	No. of Cavities					
			2	3	4	6	8	12
Solid	20	1	DTM2-1	DTM3-1	DTM4-1	DTM6-1	DTM8-1	DTM12-1
		10	DTM2-1/10	DTM3-1/10	DTM4-1/10	DTM6-1/10	DTM8-1/10	DTM12-1/10
Solid – Gold-plated	20	1	DTM2	DTM3	DTM4	DTM6	DTM8	DTM12
Solid – Purple Band	20	1	DTM2-2	DTM3-2	DTM4-2	DTM6-2	DTM8-2	DTM12-2
		10	DTM2-2/10	DTM3-2/10	DTM4-2/10	DTM6-2/10	DTM8-2/10	DTM12-2/10

Kit Contents:
 1 x Receptacle & Wedgelock
 1 x Plug & Wedgelock
 Contacts to suit



DTM Series – Pack Quantities – Wedgelocks

NEW

Cavities	Type	Suits	Part No.	10	50	100
2	Standard	Receptacles	WM-2P	●	●	●
	"A" Keyed	Receptacles	WM-2PA	—	—	—
	"B" Keyed	Receptacles	WM-2PB	—	—	—
	Standard	Plugs	WM-2S	●	●	●
	"A" Keyed	Plugs	WM-2SA	—	—	—
	"B" Keyed	Plugs	WM-2SB	—	—	—
3	Standard	Receptacles	WM-3P	●	●	●
	Standard	Plugs	WM-3S	●	●	●
4	Standard	Receptacles	WM-4P	●	●	●
	Standard	Plugs	WM-4S	●	●	●
6	Standard	Receptacles	WM-6P	●	●	●
	Standard	Plugs	WM-6S	●	●	●
8	Standard	Receptacles	WM-8P	●	●	●
	Standard	Plugs	WM-8S	●	●	●
12	Standard	Receptacles	WM-12P	●	●	●
	Standard	Plugs	WM-12S	●	●	●



DTM Series – Accessories – Insulators/Boots

	Colour	No. of Cavities					
		2	3	4	6	8	12
Receptacles	Grey	DTM2P-BT	DTM3P-BT	DTM4P-BT	DTM6P-BT	DTM8P-BT	DTM12P-BT
Plugs	Grey	DTM2S-BT	DTM3S-BT	DTM4S-BT	DTM6S-BT	DTM8S-BT	DTM12S-BT



DTM Series – Mounting Clips

Part No.	Suits	Mounting Direction	Material	Mounting Hole Ø (mm)	Pack Quantities		
					10	25	100
1011-026-0205	All except 8 cavity	Straight	Thermoplastic	5	—	—	—
1011-027-0805	8 cavity connectors only	Straight	Thermoplastic	5	—	—	—
1027-001-0800	8 cavity connectors only	Straight	Stainless steel	11	•	•	•
1027-003-1200	All except 8 cavity	Straight	Stainless steel	11	•	•	•
1027-005-1200	All except 8 cavity	Straight	Stainless steel	13	•	•	•
1027-008-1200	All except 8 cavity	Side	Zinc-plated steel	11	•	•	•
1027-009-1200 NEW	All except 8 cavity	Side	Zinc-plated steel	13	•	•	•





- Convenient on-site service kits containing assortments of DT, DTM Series connectors, contacts and Backshells.
- DTKIT-2 includes crimp tool and multi-use removal tool.
- Solid and Stamped & Formed (F-Crimp) contact kits available.
- Contents clearly listed.



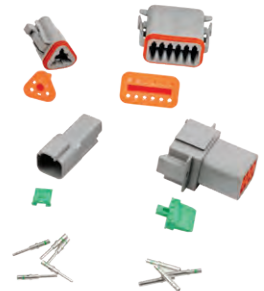
Housing : Thermoplastic
Seal : Silicone Rubber
Wedgeloock : Thermoplastic
Contact : Copper Alloy
Contact Plating : Nickel
Shock : 50G
Vibration : 20G rms 10 – 2000Hz
Approvals : 20mm Flame Test per Standard UL-94
Ingress Protection : IP68, IP6K9K
Operating Temperature : -55°C to 125°C



DTKIT



DTKIT-1



Assortment Kits – DT Series

Part No.

DTKIT

136 Piece

F-Crimp contacts

Standard DT Series connectors

Kit Contents

Receptacles & Wedgelocks:
 3 x DTO4-2P & W2P
 3 x DTO4-3P & W3P
 2 x DTO4-4P & W4P
 1 x DTO4-6P & W6P
 1 x DTO4-08PA & W8P
 1 x DTO4-12PA & W12P

Plugs & Wedgelocks:
 3 x DT06-2S & W2S-P012
 3 x DT06-3S & W3S-P012
 2 x DT06-4S & W4S
 1 x DT06-6S & W6S
 1 x DT06-08SA & W8S
 1 x DT06-12SA & W12S

Contacts & Cavity Plugs:
 12 x Cavity Plugs (114017)
 40 x F-Crimp Pin (1060-16-0122L)
 40 x F-Crimp Socket (1062-16-0122L)

DTKIT-1

136 Piece

Solid contacts

Standard DT Series connectors

Receptacles & Wedgelocks:
 3 x DTO4-2P & W2P
 3 x DTO4-3P & W3P
 2 x DTO4-4P & W4P
 1 x DTO4-6P & W6P
 1 x DTO4-08PA & W8P
 1 x DTO4-12PA & W12P

Plugs & Wedgelocks:
 3 x DT06-2S & W2S-P012
 3 x DT06-3S & W3S-P012
 2 x DT06-4S & W4S
 1 x DT06-6S & W6S
 1 x DT06-08SA & W8S
 1 x DT06-12SA & W12S

Contacts & Cavity Plugs:
 12 x Cavity Plug (114017)
 40 x Solid Pin–Green Band (0460-215-16141)
 40 x Solid Socket–Green Band (0462-209-16141)



Assortment Kits – DT Series including Tools

Part No.

DTKIT-2

138 Piece

Solid contacts

Standard DT Series connectors

Crimp and Multi-Use tool

Kit Contents

Receptacles & Wedgelocks:

3 x DT04-2P & W2P
 3 x DT04-3P & W3P
 2 x DT04-4P & W4P
 1 x DT04-6P & W6P
 1 x DT04-08PA & W8P
 1 x DT04-12PA & W12P

Plugs & Wedgelocks:

3 x DT06-2S & W2S-PO12
 3 x DT06-3S & W3S-PO12
 2 x DT06-4S & W4S
 1 x DT06-6S & W6S
 1 x DT06-08SA & W8S
 1 x DT06-12SA & W12S

Contacts & Cavity Plugs:

12 x Cavity Plug (114017)
 40 x Solid Pin–Green Band (0460-215-16141)
 40 x Solid Socket–Green Band (0462-209-16141)

Tools:

1 x Removal Tool (DET-RT)
 1 x Crimp Tool (DET16)

Workshop Assortment Kits
 also found on page 19



Assortment Kits – DT Series ‘CAT-Spec’

Part No.

DTKIT-1-CAT

136 Piece

Solid contacts

‘CAT-Spec’ DT Series Connectors

Kit Contents

Receptacles & Wedgelocks:

3 x DT04-2P-E005 & W2P
 3 x DT04-3P-E005 & W3P
 2 x DT04-4P-E005 & W4P
 1 x DT04-6P-E005 & W6P
 1 x DT04-08PA-E005 & W8P
 1 x DT04-12PA-E005 & W12P

Plugs & Wedgelocks:

3 x DT06-2S-EPO6 & W2S-PO12
 3 x DT06-3S-EPO6 & W3S-PO12
 2 x DT06-4S-EPO6 & W4S-PO12
 1 x DT06-6S-EPO6 & W6S-PO12
 1 x DT06-08SA-EPO8 & W8S-PO12
 1 x DT06-12SA-EPO8 & W12S-PO12

Contacts & Cavity Plugs:

12 x Cavity Plug (114017)
 40 x Solid Pin–Green Band (0460-215-16141)
 40 x Solid Socket–Green Band (0462-209-16141)

‘CAT-Spec’

The 3 modified DT Series connector housings with suffix E005, EPO6 & EPO8 are typically referred to as ‘CAT-Spec’, short for CATERPILLAR Specification.

These modified DT Series connector housings are used on most CATERPILLAR mining machinery as an OEM standard connector. At a glance, they are black, include improved seal retention on the plug (DT06 side, by using the PO12 wedgelock), and a cap on the rear of the housing to retain the connectors rear wire seal.



DT06-12SA-EPO8



DT04-6P-E005





DTBS



DTBS-1



Assortment Kits – Backshells for DT Series

Part No.

Kit Contents

DTBS

Straight style

Backshells Straight – Receptacles:
 8 x 1011-257-0205 – Suits DT04-2P
 5 x 1011-261-0305 – Suits DT04-3P
 4 x 1011-265-0405 – Suits DT04-4P
 3 x 1011-269-0605 – Suits DT04-6P
 1 x 1011-245-0805 – Suits DT04-8P
 1 x 1011-249-1205 – Suits DT04-12P

Backshells Straight – Plugs:
 8 x 1011-255-0205 – Suits DT06-2S
 5 x 1011-259-0305 – Suits DT06-3S
 4 x 1011-263-0405 – Suits DT06-4S
 3 x 1011-267-0605 – Suits DT06-6S
 1 x 1011-243-0805 – Suits DT06-8S
 1 x 1011-247-1205 – Suits DT06-12S

DTBS-1

90° style

Backshells 90° – Receptacles:
 8 x 1011-258-0205 – Suits DT04-2P
 6 x 1011-262-0305 – Suits DT04-3P
 3 x 1011-266-0405 – Suits DT04-4P
 3 x 1011-270-0605 – Suits DT04-6P
 1 x 1011-246-0805 – Suits DT04-8P
 1 x 1011-250-1205 – Suits DT04-12P

Backshells 90° – Plugs:
 8 x 1011-256-0205 – Suits DT06-2S
 6 x 1011-260-0305 – Suits DT06-3S
 3 x 1011-264-0405 – Suits DT06-4S
 3 x 1011-268-0605 – Suits DT06-6S
 1 x 1011-244-0805 – Suits DT06-8S
 1 x 1011-248-1205 – Suits DT06-12S



DTMKIT



DTMKIT-1



Assortment Kits – DTM Series

Part No.

Kit Contents

DTMKIT

F-Crimp contacts

Standard DTM Series connectors

Receptacles & Wedgelocks:
 4 x DTM04-2P & WM-2P
 4 x DTM04-3P & WM-3P
 4 x DTM04-4P & WM-4P
 2 x DTM04-6P & WM-6P
 2 x DTM04-08PA & WM-8P
 2 x DTM04-12PA & WM-12P

Plugs & Wedgelocks:
 4 x DTM06-2S & WM-2S
 4 x DTM06-3S & WM-3S
 4 x DTM06-4S & WM-4S
 2 x DTM06-6S & WM-6S
 2 x DTM06-08SA & WM-8S
 2 x DTM06-12SA & WM-12S

Contacts & Cavity Plugs:
 20 x Cavity Plug (0413-204-2005)
 50 x F-Crimp Pin (1060-20-0122L)
 50 x F-Crimp Socket (1062-20-0122L)

DTMKIT-1

Solid contacts

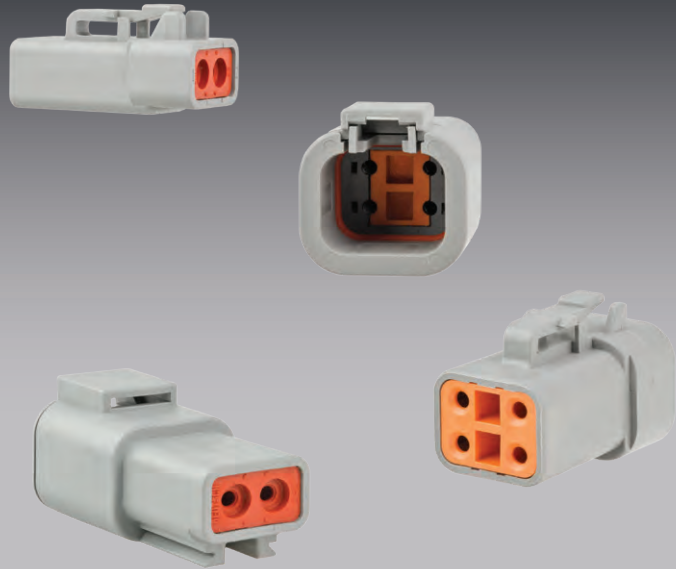
Standard DTM Series connectors

Receptacles & Wedgelocks:
 4 x DTM04-2P & WM-2P
 4 x DTM04-3P & WM-3P
 4 x DTM04-4P & WM-4P
 2 x DTM04-6P & WM-6P
 2 x DTM04-08PA & WM-8P
 2 x DTM04-12PA & WM-12P

Plugs & Wedgelocks:
 4 x DTM06-2S & WM-2S
 4 x DTM06-3S & WM-3S
 4 x DTM06-4S & WM-4S
 2 x DTM06-6S & WM-6S
 2 x DTM06-08SA & WM-8S
 2 x DTM06-12SA & WM-12S

Contacts & Cavity Plugs:
 20 x Cavity Plug (0413-204-2005)
 50 x Solid Pin (0460-202-20141)
 50 x Solid Socket (0462-201-20141)

- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Available in 2 and 4 cavity arrangements.
- Rectangular, thermoplastic housing.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.
- Accepts size 12 contacts, each with 25A continuous capacity.
- Available in Kits with Solid, or Solid – Gold-plated contact options.
- Each Kit contains all components required to make both sides of a connection.

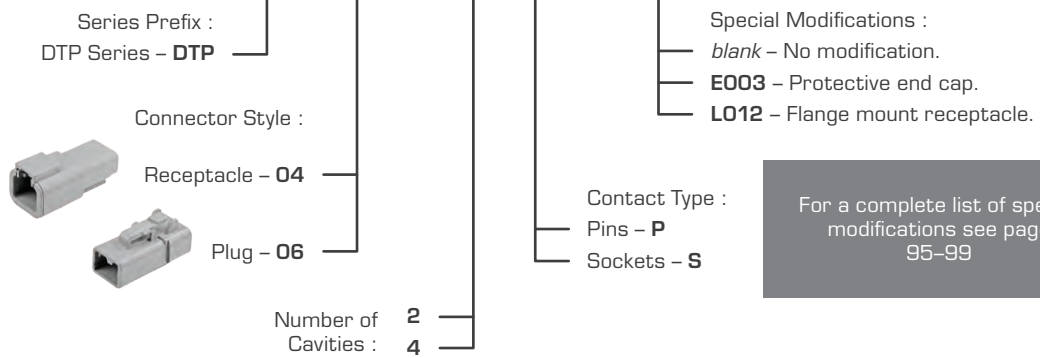


Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedgeloek :	Thermoplastic
Contact Size :	12
Contact Rating :	25A @ 125°C
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C



Part Numbering System

DTP 04 – 02 P – E003



Special Modifications



DTP04-2P-E003

E003

Protective end cap attached to the rear of the connector.



DTP06-4S-E003

DTP04-4P-L012



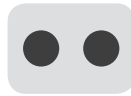
L012

Flange mount receptacle.

For a complete list of special modifications see page 95-99

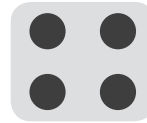


DTP0X-2X



2 x size 12

DTP0X-4X



4 x size 12

DTP Series – Popular Components

Circuits	Housing	Receptacle Components		Housing	Plug Components	
		Wedglock	Size 12 Pin – Nickel		Wedglock	Size 12 Socket – Nickel
2	DTP04-2P	WP-2P	0460-204-12141 AWG14-12 / 2.0-3.0mm ²	DTP06-2S	WP-2S	0462-203-12141 AWG14-12 / 2.0-3.0mm ²
4	DTP04-4P	WP-4P	114017 Cavity Plug	DTP06-4S	WP-4S	114017 Cavity Plug

For complete details on contacts & further options see page 63



DTP Series – Pack Quantities – Housings NEW

Cavities	Part No.	Receptacles			Cavities	Part No.	Plugs		
		10	50	Bulk Box			10	50	Bulk Box
2	DTP04-2P	●	●	550	2	DTP06-2S	●	●	1200
	DTP04-2P-E003	●	—	—		DTP06-2S-E003	●	—	—
	DTP04-4P	●	●	350		DTP06-4S	●	●	800
4	DTP04-4P-E003	●	—	—	4	DTP06-4S-E003	●	—	—
	DTP04-4P-L012	●	—	—					



DTP Series – Kits

Contact Type	Size	No. of Cavities		Kit Contents: 1 x Receptacle & Wedglock 1 x Plug & Wedglock Contacts to suit
		2	4	
Solid	12	DTP2-1	DTP4-1	
Solid – Gold-plated	12	DTP2-4	DTP4-4	



WP-2P



WP-4P



WP-2S



WP-4S

DTP Series – Pack Quantities – Wedgelocks NEW

Cavities	Part No.	Receptacles		Cavities	Part No.	Plugs	
		10	50			10	50
2	WP-2P	•	•	2	WP-2S	•	•
4	WP-4P	•	•	4	WP-4S	•	•



1011-026-0205



1027-001-0800



1027-005-1200



1027-008-1200



1027-009-1200 NEW



DTP4P-LO12-GKT

DTP Series – Accessories

Part No.	Description	Mounting Direction	Material	Mounting Hole Ø (mm)	Pack Quantities		
					10	25	100
1011-026-0205	Mounting Clip	Straight	Thermoplastic	5	—	—	—
1027-003-1200	Mounting Clip	Straight	Stainless steel	11	•	•	•
1027-005-1200	Mounting Clip	Straight	Stainless steel	13	•	•	•
1027-008-1200	Mounting Clip	Side	Zinc-plated steel	11	•	•	•
1027-009-1200 NEW	Mounting Clip	Side	Zinc-plated steel	13	•	•	•
DTP4P-LO12-GKT	Mounting gasket suiting 4 circuit flange mount LO12 receptacle (DTP04-4P-LO12)						



DTHD04-1-4P



DTHD06-1-8S



DTHD04-1-8P



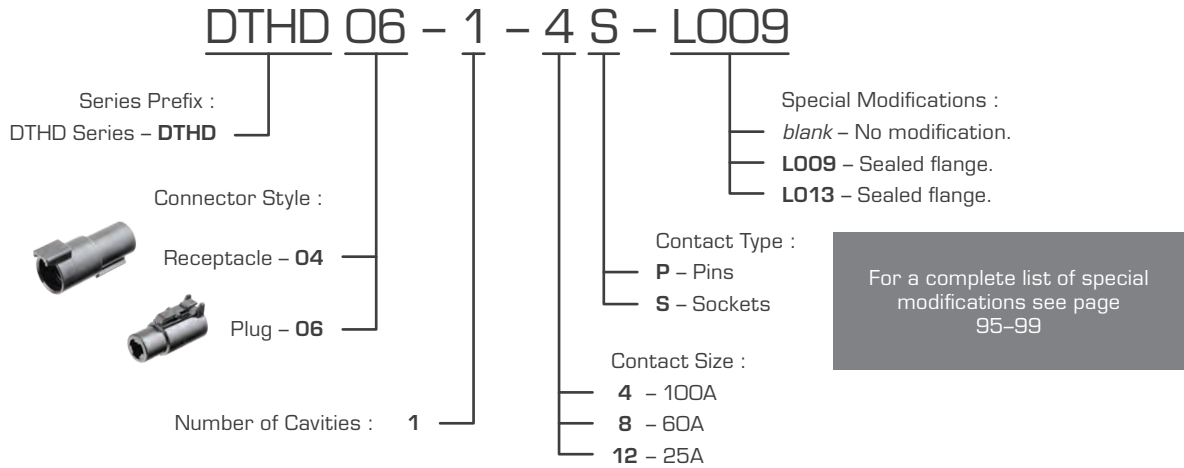
DTHD06-1-12S



- Cylindrical thermoplastic design.
- Latched mating.
- Accepts contact sizes 4, 8, 12.
- 14–6 AWG.
- 1 cavity arrangement.
- Each Kit contains all components required to make both sides of a connection.

Housing : Thermoplastic
Seal : Silicone Rubber
Vibration : 20G rms 10 – 2000Hz
Operating Temperature : -55°C to 125°C

Part Numbering System



Special Modifications

DTHD04-1-4P-L009



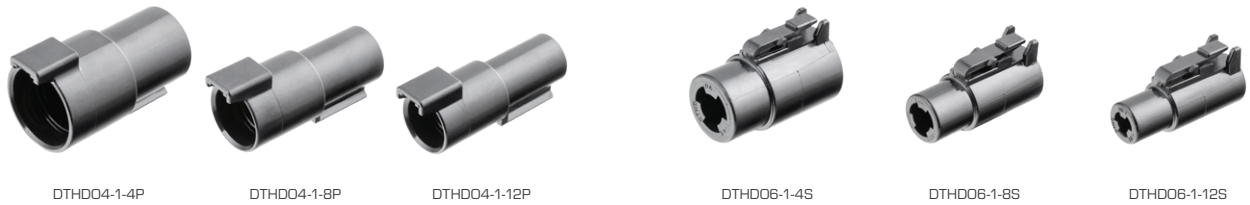
L009
Sealed flange. Through panel mount.
DTHD04-1-4P only.

DTHD04-1-4P-L013



L013
Sealed flange. Surface mount.
DTHD04-1-4P only.

For a complete list of special modifications see page 95-99



DTHD Series – Pack Quantities – Housings

Receptacles				Plugs			
Contact Size	Rating (A) @ 125°C	Part No.	Pack Quantities	Contact Size	Rating (A) @ 125°C	Part No.	Pack Quantities
4	100	DTHD04-1-4P	•	4	100	DTHD06-1-4S	•
8	60	DTHD04-1-8P	•	8	60	DTHD06-1-8S	•
12	25	DTHD04-1-12P	•	12	25	DTHD06-1-12S	•

For complete details on contacts & further options see page 63



DTHD Series – Kits

Contact Type	Contact Size	Kit Contents:	
Solid	4	1 x Receptacle & Wedgelock	
	8	1 x Plug & Wedgelock	
	12	Contacts to suit	
	DTHD4-1	DTHD8-1	DTHD12-1

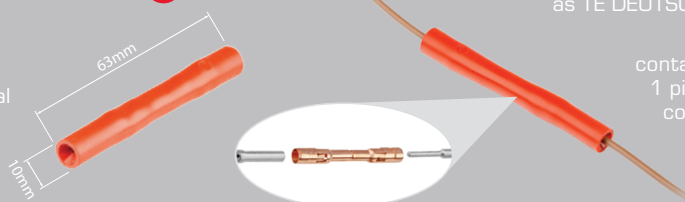


DTHD Series – Mounting Clips

Part No.	Mounting Direction	Material	Mounting Hole Ø (mm)	Pack Quantities		
				10	25	100
1011-026-0205	Straight	Thermoplastic	5	—	—	—
1027-003-1200	Straight	Stainless steel	11	•	•	•
1027-005-1200	Straight	Stainless steel	13	•	•	•

Jiffy Splice JS-16-00 NEW

Also available for single contact connections is the Jiffy Splice. An ideal lightweight in-line splice for quick connections.



Made from the same high quality silicone elastomer as TE DEUTSCH connector seals and grommets.

The Jiffy Splice body houses a contact retention system that connects 1 pin & 1 socket (supplied by user) in a compact environmentally sealed unit.

Requires 1 x pins & 1 x socket, size 16 (16–14AWG).





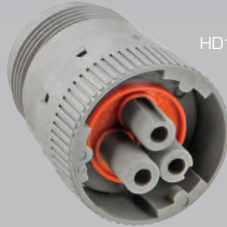
HD16-9-16S

HD10-3-96P



HD14-9-16P

HD16-3-96S



- Environmentally sealed – IP68 when installed to manufacturer's specifications.
- Cylindrical thermoplastic design.
- Available either in-line or flanged.
- Quick connect/disconnect bayonet coupling.
- Resistant to most fluids in industrial applications.
- Commonly used for diagnostic applications.
- Available in kits containing all components required to make both halves of a connection.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedgeloock :	Thermoplastic
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68
Operating Temperature :	-55°C to 125°C

Part Numbering System

HD 10 - 9 - 96 P E - B009

Series Prefix :
HD Series – **HD**

Connector Style :
Square Flange Receptacle – **10**

In-Line Receptacle – **14**

Plug – **16**

Shell Size / Number of Cavities :

- 3
- 4
- 5
- 6
- 9

Special Modifications :

- blank* – No modification.
- B009** – No standard keying. No rear thread.
- B010** – Standard coupling ring. Only for HD16-6-12S.

For a complete list of special modifications see page 95–99

Wire Seal Options :

- blank* – Normal. For use with standard insulation wire.
- E** – Extra thin. Designed specifically for Extra thin wall wire.

Contact Type :

- P** – Pins
- S** – Sockets

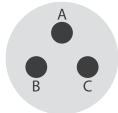
Insert Arrangement :

- 4, 12, 96, 1939** – Threaded Rear
- 16** – Non-Threaded Rear



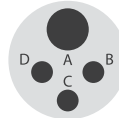
Shell Size / Number of Cavities

3-16/3-96



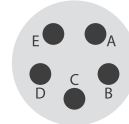
3 x size 16
E

4-4



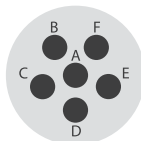
1 x size 4,
3 x size 16

5-16



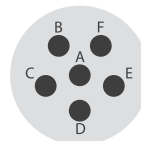
5 x size 16

6-12



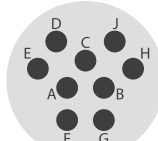
6 x size 12

6-96



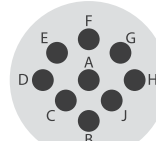
6 x size 16

9-16



9 x size 16

9-96



9 x size 16
E

For complete details on contacts & further options see page 63

Special Modification

B009

Raised keying removed from front of receptacle flange.
No rear thread.



HD10-9-96P-B009
No raised keying.
No rear thread.



Standard
HD10-9-96P

For a complete list of special modifications see page 95-99

HD16-6-12S-B010 Special Modification

B010 (exclusive to the HD16-6-12S)

The HD16-6-12S does not come with the standard HD10 coupling ring.
If the standard HD10 coupling ring is required order the HD16-6-12S-B010.

The B010 part number suffix **only** applies to HD16-6-12S

HD16-6-12S-B010
Standard coupling ring.



Quick push-on/pull-off.
No twist action required.

HD16-6-12S
No coupling ring.
Push-on/pull-off design for use where non-permanent, quick connect/disconnect is required.

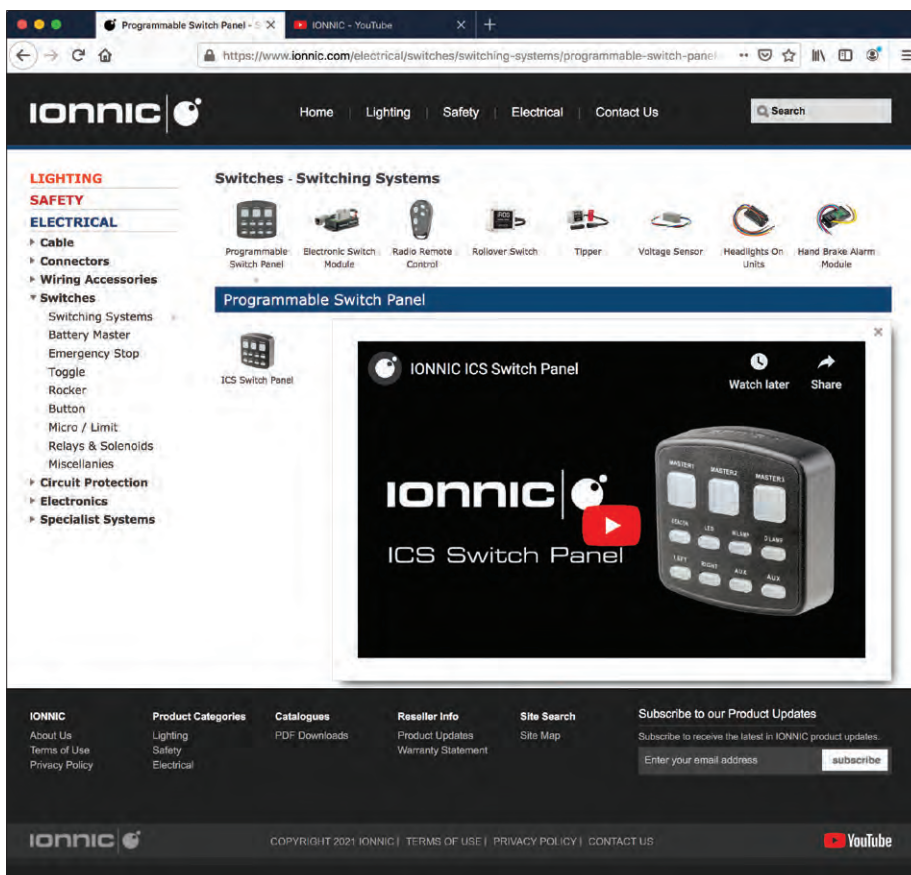
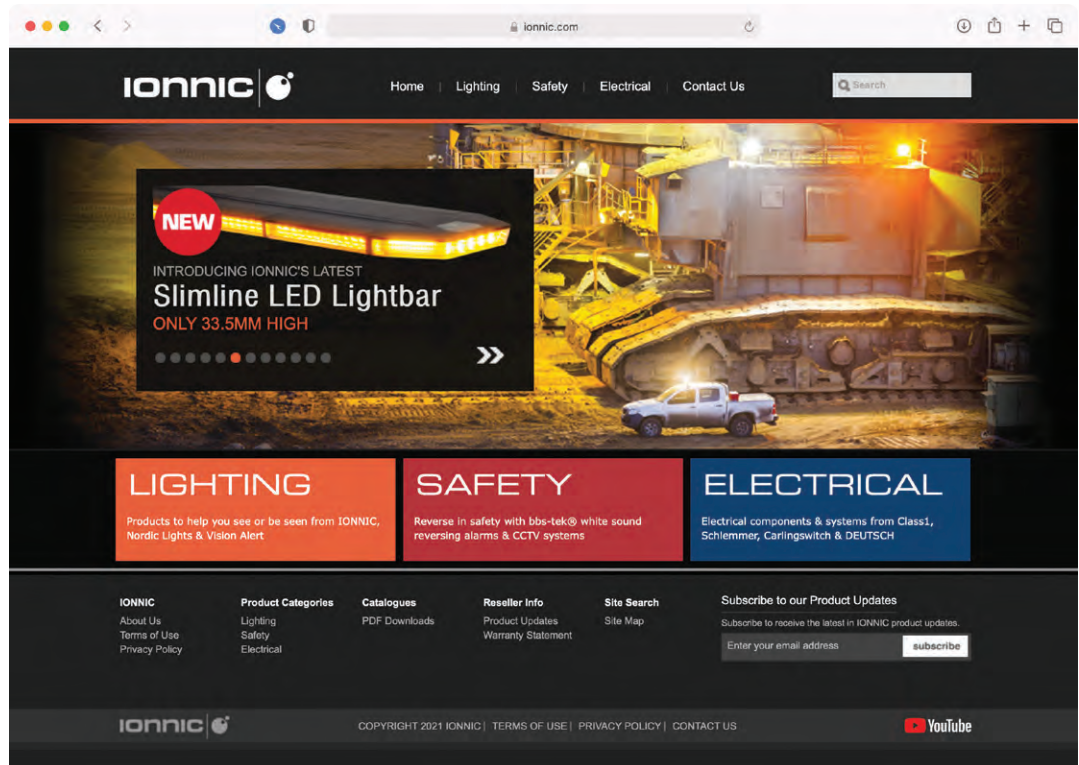




HD10 Series – Accessories

Part No.	Description	Shell Size	Suits
HD18-003	Strain Relief	3	All HD10 Series
HD18-006	Strain Relief	6	All HD10 Series
HD18-009	Strain Relief	9	All HD10 Series
HDC14-3	Protective Cap	3	Plugs
HDC14-6	Protective Cap	6	Plugs
HDC14-9	Protective Cap	9	Plugs
HDC16-3	Protective Cap	3	Receptacles
HDC16-5 NEW	Protective Cap	5	Receptacles
HDC16-6	Protective Cap	6	Receptacles
HDC16-9	Protective Cap	9	Receptacles
HD10-3BT	Insulator – Grey – 80mm	3	All HD10 Series
HD10-9BT NEW	Insulator – Grey – 80mm	9	All HD10 Series
HDB30-18	Insulator – Grey – 150mm	6 & 9	All HD10 Series
HD30-18-BT	Insulator – Grey – 80mm	6 & 9	All HD10 Series
HD10-9-GKT	Mounting Gasket	9	Flange Receptacles
JDL082397	Lanyard	9	All HD10 Series & all Protective Caps

ionnic.com



Check out videos on a range of products



The IONNIC website – for all the most up to date products and info

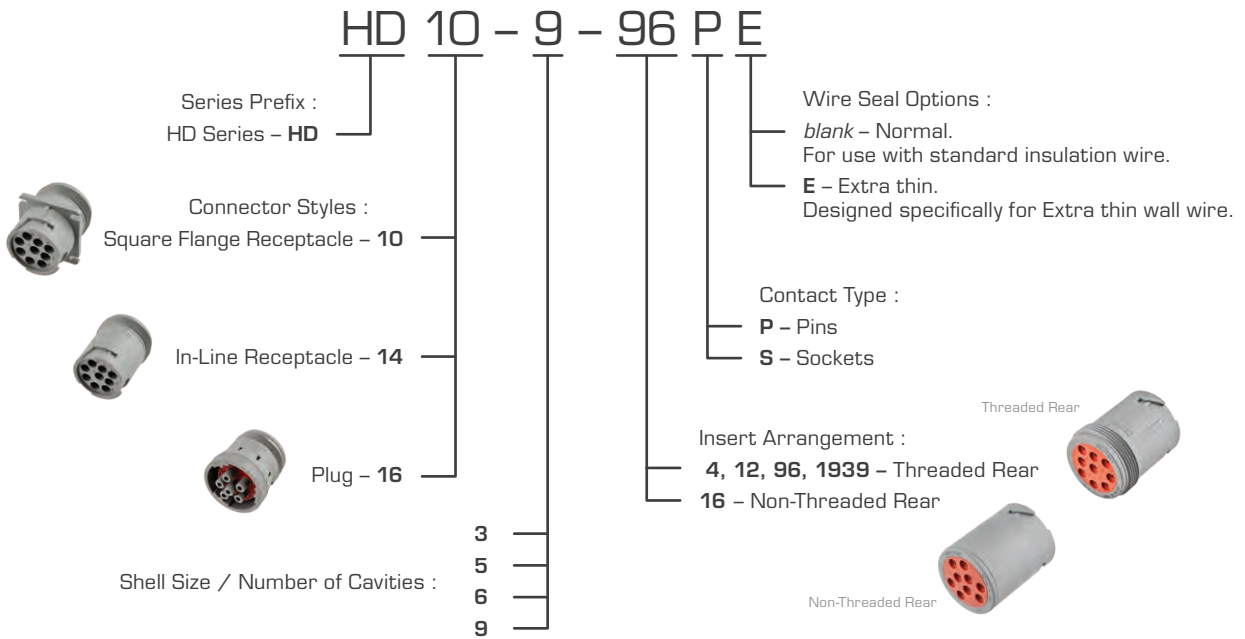
NEW

HD10 Series Kits

Kits contain all components required to make both halves of a connection.



Plug & Receptacle Numbering System



1939 Special Modification

The P10-9-1939K kit contains connectors with the 1939 modification, keyed and with a black housing.



HD10 Series Kits NEW

	Wire Seal	Threaded Rear	Receptacle	Part No.	Kit Contents
 3 x size 16	Normal	Threaded Rear	Square Flange	P10-3-96K	1 x Receptacle (HD10-3-96P) 1 x Plug (HD16-3-96S) 4 x Pin – Solid (O460-215-16141) 4 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 2 x Cavity Plug (114017)
		Threaded Rear	In-Line	P14-3-96K	1 x Receptacle (HD14-3-96P) 1 x Plug (HD16-3-96S) 4 x Pin – Solid (O460-215-16141) 4 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 2 x Cavity Plug (114017)
 5 x size 16	Normal	Non-Threaded Rear	Square Flange	P10-5-16K	1 x Receptacle (HD10-5-16P) 1 x Plug (HD16-5-16S) 6 x Pin – Solid (O460-215-16141) 6 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
			In-Line	P14-5-16K	1 x Receptacle (HD14-5-16P) 1 x Plug (HD16-5-16S) 6 x Pin – Solid (O460-215-16141) 6 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
 6 x size 12	Normal	Threaded Rear	Square Flange	P10-6-12K	1 x Receptacle (HD10-6-12P) 1 x Plug (HD16-6-12S) 7 x Pin – Solid (O460-204-12141) 7 x Socket – Solid (O462-203-12141) 1 x Removal Tool (114010) 4 x Cavity Plug (114017)
 6 x size 16	Normal	Threaded Rear	Square Flange	P10-6-96K	1 x Receptacle (HD10-6-96P) 1 x Plug (HD16-6-96S) 7 x Pin – Solid (O460-215-16141) 7 x Socket – Solid (O462-209-16141) 1 x Removal Tool (114010) 4 x Cavity Plug (114017)
 9 x size 16	Normal	Non-Threaded Rear	Square Flange	P10-9-16K	1 x Receptacle (HD10-9-16P) 1 x Plug (HD16-9-16S) 10 x Pin – Solid (O460-215-16141) 10 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
			In-Line	P14-9-16K	1 x Receptacle (HD14-9-16P) 1 x Plug (HD16-9-16S) 10 x Pin – Solid (O460-215-16141) 10 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
 9 x size 16	Normal	Threaded Rear	Square Flange	P10-9-96K	1 x Receptacle (HD10-9-96P) 1 x Plug (HD16-9-96S) 10 x Pin – Solid (O460-215-16141) 10 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
			In-Line	P14-9-96K	1 x Receptacle (HD14-9-96P) 1 x Plug (HD16-9-96S) 10 x Pin – Solid (O460-215-16141) 10 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)
	Extra Thin	Threaded Rear	Square Flange	P10-9-1939K	1 x Receptacle (HD10-9-1939PE) 1 x Plug (HD16-9-1939SE) 10 x Pin – Solid (O460-215-16141) 10 x Socket – Solid (O462-209-16141) 1 x Removal Tool (O411-310-1605) 4 x Cavity Plug (114017)

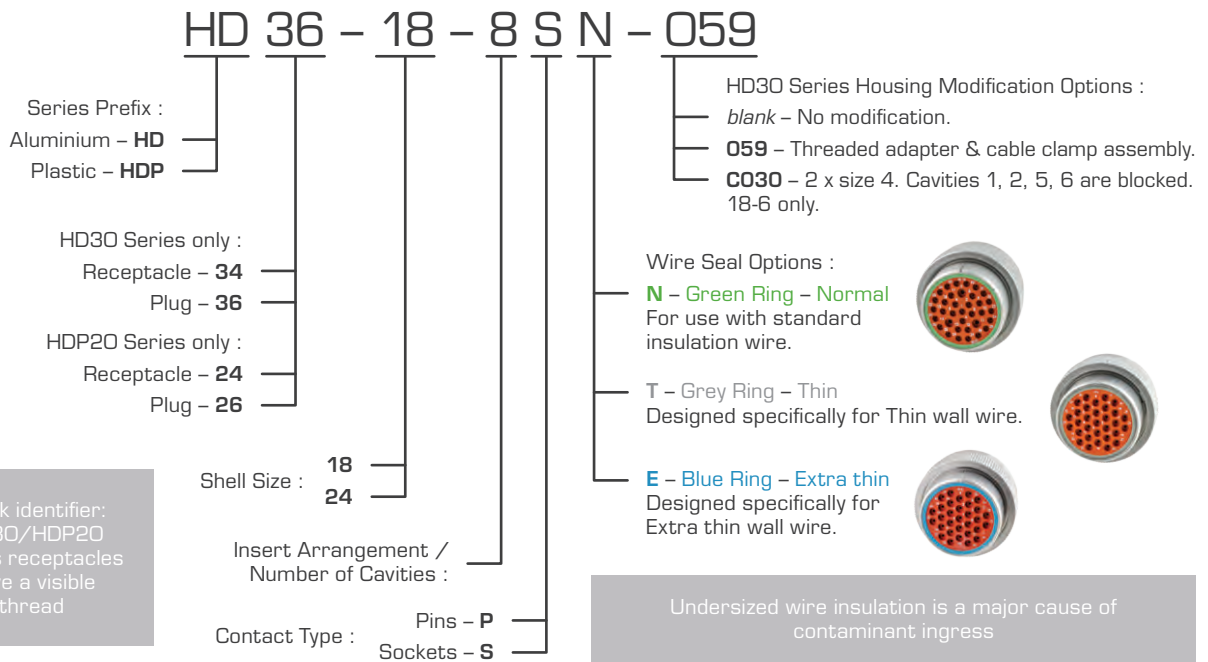




- Environmentally sealed – IP67, when installed to manufacturer's specifications.
- Designed specifically for the truck, bus, mining and construction industry.
- Available in aluminium (HD30) or thermoplastic housings (HDP20).
- Multiple pin configurations that accept contact sizes 4 through 20.
- Quick connect/disconnect bayonet coupling.
- HD30 and HDP20 series are cross compatible.
- Resistant to most fluids in industrial applications.
- Available in kits containing all components required to make one half of a connection.

Housing :	HD30	Aluminium
	HDP20	Thermoplastic
Seal :		Silicone Rubber
Shock :		50G
Vibration :		20G rms 10 – 2000Hz
Approvals :		20mm Flame Test per Standard UL-94
Ingress Protection :		IP67
Operating Temperature :		-55°C to 125°C

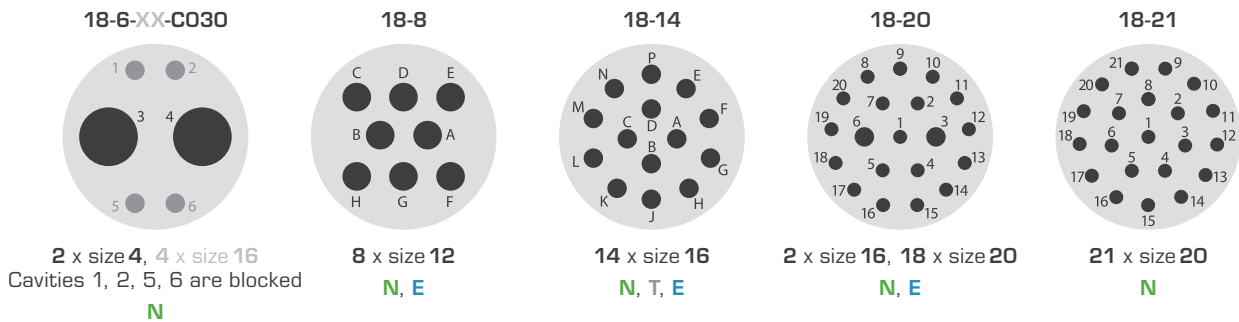
Part Numbering System



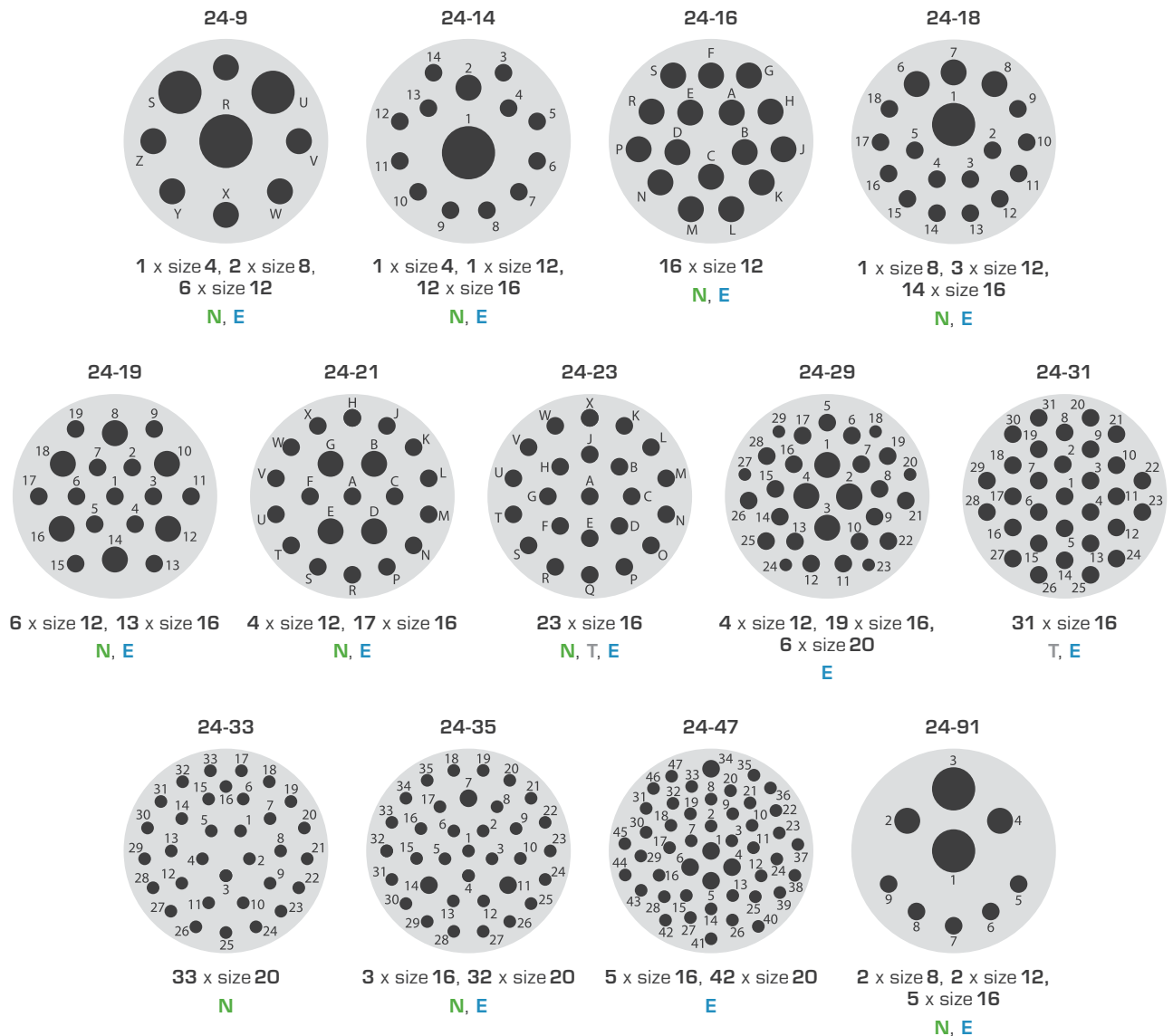
Recommended Wire Insulation O.D.

Contact Size	N – Normal Seal – Green Ring		T – Thin Seal – Gray Ring		E – Extra Thin Seal – Blue Ring	
	Inches	mm	Inches	mm	Inches	mm
20	0.040 – 0.095	1.02 – 2.41	0.040 – 0.095	1.02 – 2.41	0.040 – 0.095	1.02 – 2.41
16	0.100 – 0.134	2.54 – 3.40	0.088 – 0.134	2.23 – 3.40	0.053 – 0.120	1.35 – 3.05
12	0.134 – 0.170	3.40 – 4.32	0.113 – 0.170	2.87 – 4.32	0.097 – 0.158	2.46 – 4.01
8	0.190 – 0.240	4.83 – 6.10	0.170 – 0.240	4.32 – 6.10	0.135 – 0.220	3.43 – 5.59
4	0.280 – 0.292	7.11 – 7.42	0.261 – 0.292	6.63 – 7.42	0.261 – 0.292	6.63 – 7.42

18 Shell Size Arrangements



24 Shell Size Arrangements



For complete details on contacts & further options see page 63



HD30 Series Special Modifications

HD34-18-8SN-XXX

For a complete list of special modifications see page 95-99



Standard – no modification.

Provides mechanical protection to wire entering connector as well as additional strain relief.

2 x size 4 cavities. 18-6 only. Cavities 1, 2, 5, & 6 are blocked.

blank – no modification

059 – Threaded adapter & cable clamp assembly

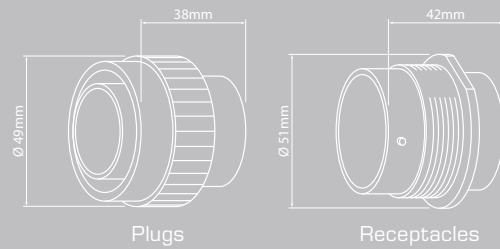
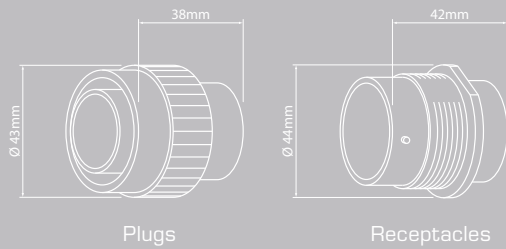
C030 – 18-6 only. 2 x size 4 cavities. 4 x size 16 cavities blocked (1, 2, 5, 6)

HD30/HDP20 Series Dimensions

HDXXX-XX-8SN

18 – Shell Size

24 – Shell Size



HD30/HDP20 Series – Strain Relief – Backshells

Part No.	Orientation	Shell Size
0409-201-1800	Straight	18
0409-201-2400	Straight	24
WHDS-18-1	Straight	18
WHDS-24-1	Straight	24
WHDS-18-2	90°	18
WHDS-24-2	90°	24



HD30/HDP20 Series – Accessories

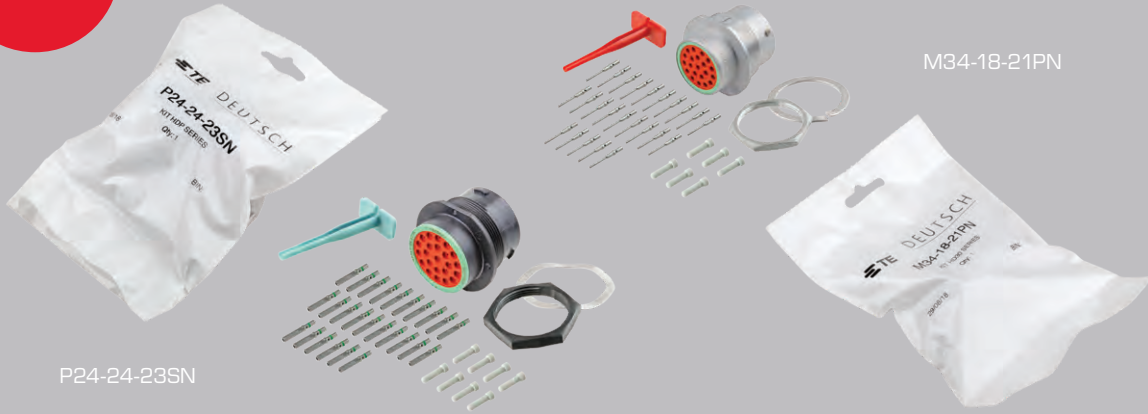
Part No.	Description	Shell Size	Suits	A (mm)	B (mm)
114021	Lock Washer	18	HD30 Series	47.90	1.57
112264	Lock Washer	24	HD30 Series	52.68	1.57
114020-90	Panel Nut	18	HD30 Series	42.80	4.52
112263-90	Panel Nut	24	HD30 Series	47.63	4.52
2414-002-1886	Lock Washer – Wave	18	HDP20 Series	47.90	0.51
2414-001-2486	Lock Washer – Wave	24	HDP20 Series	52.68	0.51
2411-002-1805	Panel Nut – Thermoplastic	18	HDP20 Series	42.80	6.35
2411-001-2405	Panel Nut – Thermoplastic	24	HDP20 Series	47.63	6.35
HDB30-18	Insulator – Grey – 150mm	18	All HD30/HDP20 Series		
HD30-18-BT	Insulator – Grey – 80mm	18	All HD30/HDP20 Series		
HDB30-24	Insulator – Black – 150mm	24	All HD30/HDP20 Series		
HD30-24BT-BK	Insulator – Black – 80mm	24	All HD30/HDP20 Series		
HD30-24BT-90-BK	Insulator – Black – 80mm – 90°	24	All HD30/HDP20 Series		
HDC26-18 NEW	Protective Cap – Thermoplastic	18	HDP20 Series – Receptacles		
HDC26-24 NEW	Protective Cap – Thermoplastic	24	HDP20 Series – Receptacles		
HDC34-18	Protective Cap – Aluminium	18	HD30 Series – Plugs		
HDC34-24	Protective Cap – Aluminium	24	HD30 Series – Plugs		
HDC36-18	Protective Cap – Aluminium	18	HD30 Series – Receptacles		
HDC36-24	Protective Cap – Aluminium	24	HD30 Series – Receptacles		
16-04978	Mounting Gasket – Neoprene	18	HD30/HDP20 Series – Receptacles		
16-04477	Mounting Gasket – Neoprene	24	HD30/HDP20 Series – Receptacles		



NEW

HD30/HDP20 Series Half Kits

Kits contain all components required to make one half of a connection.



Plug & Receptacle Numbering System

HD 36 - 18 - 8 S N - CO30

Series Prefix :
Aluminium - **HD**
Plastic - **HDP**

HD30 Series only :
Receptacle - **34**
Plug - **36**
HDP20 Series only :
Receptacle - **24**
Plug - **26**

Shell Size :
18
24

Insert Arrangement / Number of Cavities :

Contact Type :
Pins - **P**
Sockets - **S**

HD30 Series Housing Modification Options :
blank - No modification.
CO30 - 2 x size 4. Cavities 1, 2, 5, 6 are blocked. 18-6 only.

Wire Seal Options :

N - Green Ring - Normal
For use with standard insulation wire.

T - Grey Ring - Thin
Designed specifically for Thin wall wire.

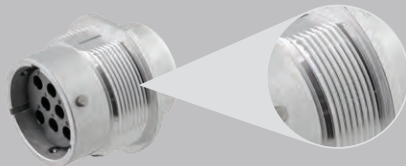
E - Blue Ring - Extra Thin
Designed specifically for Extra Thin wall wire.



Undersized wire insulation is a major cause of contaminant ingress

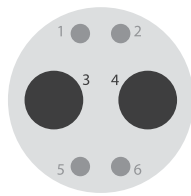
Quick Receptacle Identifier

You can quickly determine if a HD30/HDP20 Series connector is a receptacle or plug by checking for visible threads.



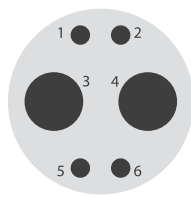
Thread = Receptacle

HD30/HDP20 Half Kits – 18 Shell Size – 6 Cavities NEW



2 x size 4
4 x size 16
Cavities 1, 2, 5, 6
are blocked

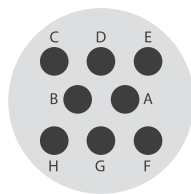
Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-6PN-C030	1 x Receptacle (HD34-18-6PN-C030) 1 x Removal Tool (114009) 2 x Pin – Solid (O460-204-O490) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-6SN-C030	1 x Plug (HD36-18-6SN-C030) 1 x Removal Tool (114009) 2 x Socket – Solid (O462-203-O4141)



2 x size 4
4 x size 16

Plastic Receptacle	Green Ring (Normal)	P24-18-6PN	1 x Receptacle (HDP24-18-6PN) 1 x Removal Tool (114009) 1 x Removal Tool (O411-310-1605) 2 x Pin – Solid (O460-204-O490) 4 x Pin – Solid (O460-215-16141) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-6SN	1 x Plug (HDP26-18-6SN) 1 x Removal Tool (114009) 1 x Removal Tool (O411-310-1605) 2 x Socket – Solid (O462-203-O4141) 4 x Socket – Solid (O462-209-16141)

HD30/HDP20 Half Kits – 18 Shell Size – 8 Cavities NEW



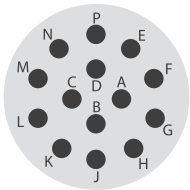
8 x size 12

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-8PN	1 x Receptacle (HD34-18-8PN) 1 x Removal Tool (114010) 9 x Pin – Solid (O460-204-12141) 2 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-8SN	1 x Plug (HD36-18-8SN) 1 x Removal Tool (114010) 9 x Socket – Solid (O462-203-12141) 2 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-18-8SN	1 x Receptacle (HD34-18-8SN) 1 x Removal Tool (114010) 9 x Socket – Solid (O462-203-12141) 2 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-8PN	1 x Plug (HD36-18-8PN) 1 x Removal Tool (114010) 9 x Pin – Solid (O460-204-12141) 2 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-18-8PN	1 x Receptacle (HDP24-18-8PN) 1 x Removal Tool (114010) 10 x Pin – Solid (O460-204-12141) 2 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-8SN	1 x Plug (HDP26-18-8SN) 1 x Removal Tool (114010) 10 x Socket – Solid (O462-203-12141) 2 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-18-8SN	1 x Receptacle (HDP24-18-8PN) 1 x Removal Tool (114010) 10 x Socket – Solid (O462-203-12141) 2 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-8PN	1 x Plug (HDP26-18-8SN) 1 x Removal Tool (114010) 10 x Pin – Solid (O460-204-12141) 2 x Cavity Plug (114017)



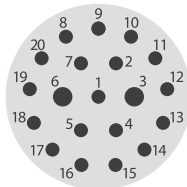
HD30/HDP20 Half Kits – 18 Shell Size – 14 Cavities NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-14PN	1 x Receptacle (HD34-18-14PN) 1 x Removal Tool (O411-310-1605) 17 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-14SN	1 x Plug (HD36-18-14SN) 1 x Removal Tool (O411-310-1605) 17 x Socket – Solid (O462-209-16141) 3 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-18-14SE	1 x Receptacle (HD34-18-14SE) 1 x Removal Tool (O411-204-1605) 17 x Socket – Solid (O462-201-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Blue Ring (Extra thin)	M36-18-14PE	1 x Plug (HD36-18-14PE) 1 x Removal Tool (O411-204-1605) 17 x Pin – Solid (O460-202-16141) 3 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-18-14SN	1 x Receptacle (HD34-18-14SN) 1 x Removal Tool (O411-310-1605) 17 x Socket – Solid (O462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-14PN	1 x Plug (HD36-18-14PN) 1 x Removal Tool (O411-310-1605) 17 x Pin – Solid (O460-215-16141) 3 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-18-14PE	1 x Receptacle (HDP24-18-14PE) 1 x Removal Tool (O411-204-1605) 17 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Blue Ring (Extra thin)	P26-18-14SE	1 x Plug (HDP26-18-14SE) 1 x Removal Tool (O411-204-1605) 17 x Socket – Solid (O462-201-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-18-14PN	1 x Receptacle (HDP24-18-14PN) 1 x Removal Tool (O411-310-1605) 17 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-14SN	1 x Plug (HDP26-18-14SN) 1 x Removal Tool (O411-310-1605) 17 x Socket – Solid (O462-209-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-18-14SN	1 x Receptacle (HDP24-18-14SN) 1 x Removal Tool (O411-310-1605) 17 x Socket – Solid (O462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-14PN	1 x Plug (HDP26-18-14PN) 1 x Removal Tool (O411-310-1605) 17 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017)



14 x size 16

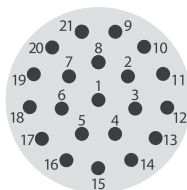
HD30/HDP20 Half Kits – 18 Shell Size – 20 Cavities NEW



2 x size 16
18 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-20SN	1 x Receptacle (HD34-18-20SN) 1 x Removal Tool (O411-310-1605) 1 x Removal Tool (O411-240-2005) 21 x Socket – Solid (O462-201-20141) 3 x Socket – Solid (O462-209-16141) 1 x Cavity Plug (114017) 6 x Cavity Plug (O413-204-2005) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-20PN	1 x Plug (HD36-18-20PN) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-310-1605) 3 x Pin – Solid (O460-215-16141) 21 x Pin – Solid (O460-202-20141) 1 x Cavity Plug (114017) 6 x Cavity Plug (O413-204-2005)

HD30/HDP20 Half Kits – 18 Shell Size – 21 Cavities NEW



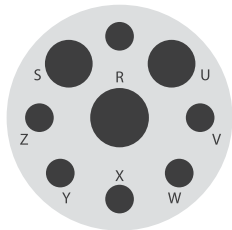
21 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-21PN	1 x Receptacle (HD34-18-21PN) 1 x Removal Tool (O411-240-2005) 24 x Pin – Solid (O460-202-20141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-21SN	1 x Plug (HD36-18-21SN) 1 x Removal Tool (O411-240-2005) 24 x Socket – Solid (O462-201-20141) 6 x Cavity Plug (O413-204-2005)
Aluminium Receptacle	Green Ring (Normal)	M34-18-21SN	1 x Plug (HD36-18-21SN) 1 x Removal Tool (O411-240-2005) 25 x Socket – Solid (O462-201-20141) 6 x Cavity Plug (O413-204-2005) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-21PN	1 x Plug (HD36-18-21PN) 1 x Removal Tool (O411-240-2005) 25 x Pin – Solid (O460-202-20141) 6 x Cavity Plug (O413-204-2005)
Plastic Receptacle	Green Ring (Normal)	P24-18-21PN	1 x Receptacle (HDP24-18-21PN) 1 x Removal Tool (O411-240-2005) 24 x Pin – Solid (O460-202-20141) 6 x Cavity Plug (O413-204-2005) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Plastic Plug	Green Ring (Normal)	P26-18-21SN	1 x Plug (HDP26-18-21SN) 1 x Removal Tool (O411-240-2005) 25 x Socket – Solid (O462-201-20141) 6 x Cavity Plug (O413-204-2005)



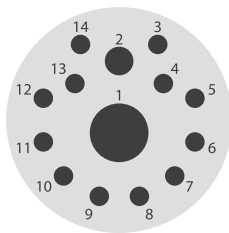
HD30/HDP20 Half Kits – 24 Shell Size – 9 Cavities NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-9PN	1 x Receptacle (HD34-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
			1 x Plug (HD36-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Aluminium Plug	Green Ring (Normal)	M36-24-9SN	1 x Receptacle (HD34-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
			1 x Plug (HD36-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-9SN	1 x Receptacle (HD34-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
			1 x Plug (HD36-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Aluminium Plug	Green Ring (Normal)	M36-24-9PN	1 x Receptacle (HD34-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
			1 x Plug (HD36-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-24-9PN	1 x Receptacle (HDP24-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
			1 x Plug (HDP26-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-08141) 2 x Socket – Solid (0462-203-04141) 2 x Cavity Plug (114017) 1 x Cavity Plug (114018)
Plastic Plug	Green Ring (Normal)	P26-24-9SN	1 x Receptacle (HDP24-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-08141) 2 x Socket – Solid (0462-203-04141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
			1 x Plug (HDP26-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018)
Plastic Receptacle	Green Ring (Normal)	P24-24-9SN	1 x Receptacle (HDP24-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-08141) 2 x Socket – Solid (0462-203-04141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
			1 x Plug (HDP26-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018)
Plastic Plug	Green Ring (Normal)	P26-24-9PN	1 x Receptacle (HDP24-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-08141) 2 x Socket – Solid (0462-203-04141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018)
			1 x Plug (HDP26-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018)



1 x size 4
 2 x size 8
 6 x size 12

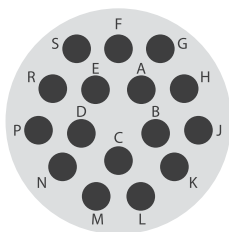
HD30/HDP20 Half Kits – 24 Shell Size – 14 Cavities NEW



1 x size 4
1 x size 12
12 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-14PN	1 x Receptacle (HD34-24-14PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Pin – Solid (0460-215-16141) 2 x Pin – Solid (0460-204-12141) 1 x Pin – Solid (0460-204-0490) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-14SN	1 x Plug (HD36-24-14SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Socket – Solid (0462-209-16141) 2 x Socket – Solid (0462-203-12141) 2 x Socket – Solid (0462-203-04141) 5 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-14SN	1 x Receptacle (HD34-24-14SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Socket – Solid (0462-203-04141) 2 x Socket – Solid (0462-203-12141) 15 x Socket – Solid (0462-209-16141) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-14PN	1 x Plug (HD36-24-14PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Pin – Solid (0460-215-16141) 2 x Pin – Solid (0460-204-12141) 1 x Pin – Solid (0460-204-0490) 5 x Cavity Plug (114017)

HD30/HDP20 Half Kits – 24 Shell Size – 16 Cavities NEW



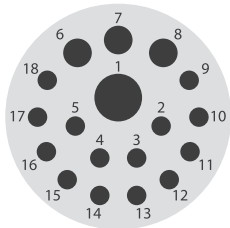
16 x size 12

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-16PN	1 x Receptacle (HD34-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-16SN	1 x Plug (HD36-24-16SN) 1 x Removal Tool (114010) 19 x Socket – Solid (0462-203-12141) 5 x Cavity Plug (114017)
Aluminium Plug	Green Ring (Normal)	M36-24-16PN	1 x Plug (HD36-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-24-16PN	1 x Receptacle (HDP24-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Green Ring (Normal)	P26-24-16SN	1 x Plug (HDP26-24-16SN) 1 x Removal Tool (114010) 19 x Socket – Solid (0462-203-12141) 5 x Cavity Plug (114017)



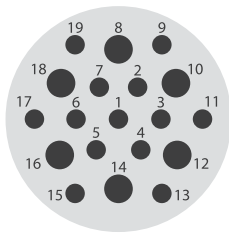
HD30/HDP20 Half Kits – 24 Shell Size – 18 Cavities NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-18PN	1 x Receptacle (HD34-24-18PN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Pin – Solid (0460-204-08141) 4 x Pin – Solid (0460-204-12141) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-18SN	1 x Plug (HD36-24-18SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Socket – Solid (0462-203-08141) 4 x Socket – Solid (0462-203-12141) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-18SE	1 x Receptacle (HD34-24-18SE) 1 x Removal Tool (0411-337-1205) 1 x Removal Tool (114008) 1 x Removal Tool (0411-204-1605) 2 x Socket – Solid (0462-203-08141) 4 x Socket – Solid (0462-203-12141) 16 x Socket – Solid (0462-201-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-18PE	1 x Plug (HD36-24-18PE) 1 x Removal Tool (0411-337-1205) 1 x Removal Tool (114008) 1 x Removal Tool (0411-204-1605) 2 x Pin – Solid (0460-204-08141) 4 x Pin – Solid (0460-204-12141) 17 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-24-18PN	1 x Receptacle (HDP24-24-18PN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Pin – Solid (0460-204-08141) 4 x Pin – Solid (0460-204-12141) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Green Ring (Normal)	P26-24-18SN	1 x Plug (HDP26-24-18SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Socket – Solid (0462-203-08141) 4 x Socket – Solid (0462-203-12141) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-24-18SN	1 x Receptacle (HDP24-24-18SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Socket – Solid (0462-203-08141) 4 x Socket – Solid (0462-203-12141) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Green Ring (Normal)	P26-24-18PN	1 x Plug (HDP26-24-18PN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114008) 1 x Removal Tool (114010) 2 x Pin – Solid (0460-204-08141) 4 x Pin – Solid (0460-204-12141) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017)



1 x size 8
 3 x size 12
 14 x size 16

HD30/HDP20 Half Kits – 24 Shell Size – 19 Cavities NEW



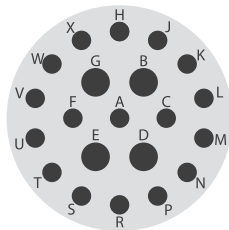
6 x size 12
13 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-19PE	1 x Receptacle (HD34-24-19PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 7 x Pin – Solid (O460-204-12141) 16 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-19SE	1 x Plug (HD36-24-19SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 7 x Socket – Solid (O462-203-12141) 16 x Socket – Solid (O462-202-16141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-19PN	1 x Receptacle (HD34-24-19PN) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (O460-204-12141) 16 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-19SE	1 x Receptacle (HD34-24-19SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 7 x Socket – Solid (O462-203-12141) 16 x Socket – Solid (O462-201-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-19PE	1 x Plug (HD36-24-19PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 7 x Pin – Solid (O460-204-12141) 16 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-19PE	1 x Receptacle (HDP24-24-19PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (O460-204-12141) 16 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Receptacle	Green Ring (Normal)	P24-24-19PN	1 x Receptacle (HDP24-24-19PN) 1 x Removal Tool (O411-310-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (O460-204-12141) 16 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Green Ring (Normal)	P26-24-19SN	1 x Plug (HDP26-24-19SN) 1 x Removal Tool (O411-310-1605) 1 x Removal Tool (114010) 7 x Socket – Solid (O462-203-12141) 16 x Socket – Solid (O462-209-16141) 6 x Cavity Plug (114017)



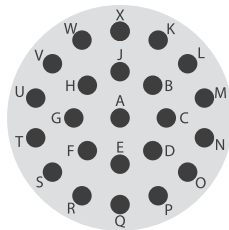
HD30/HDP20 Half Kits – 24 Shell Size – 21 Cavities NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-21PE	1 x Receptacle (HD34-24-21PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 5 x Pin – Solid (O460-204-12141) 20 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-21SE	1 x Plug (HD36-24-21SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 5 x Socket – Solid (O462-203-12141) 20 x Socket – Solid (O462-201-16141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-21PN	1 x Receptacle (HD34-24-21PN) 1 x Removal Tool (114010) 1 x Removal Tool (O411-310-1605) 20 x Pin – Solid (O460-215-16141) 5 x Pin – Solid (O460-204-12141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-21SN	1 x Plug (HD36-24-21SN) 1 x Removal Tool (114010) 1 x Removal Tool (O411-310-1605) 20 x Socket – Solid (O462-209-16141) 5 x Socket – Solid (O462-203-12141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-21SN	1 x Receptacle (HD34-24-21SN) 1 x Removal Tool (114010) 1 x Removal Tool (O411-310-1605) 20 x Socket – Solid (O462-209-16141) 5 x Socket – Solid (O462-203-12141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-21PN	1 x Plug (HD36-24-21PN) 1 x Removal Tool (114010) 1 x Removal Tool (O411-310-1605) 20 x Pin – Solid (O460-215-16141) 5 x Pin – Solid (O460-204-12141) 6 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-21PE	1 x Receptacle (HDP24-24-21PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 5 x Pin – Solid (O460-204-12141) 20 x Pin – Solid (O460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-21SE	1 x Plug (HDP26-24-21SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-337-1205) 5 x Socket – Solid (O462-203-12141) 20 x Socket – Solid (O462-201-16141) 6 x Cavity Plug (114017)
Plastic Receptacle	Green Ring (Normal)	P24-24-21PN	1 x Receptacle (HDP24-24-21PN) 1 x Removal Tool (O411-310-1605) 1 x Removal Tool (114010) 5 x Pin – Solid (O460-204-12141) 20 x Pin – Solid (O460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Green Ring (Normal)	P26-24-21SN	1 x Plug (HDP26-24-21SN) 1 x Removal Tool (O411-310-1605) 1 x Removal Tool (114010) 5 x Socket – Solid (O462-203-12141) 20 x Socket – Solid (O462-209-16141) 6 x Cavity Plug (114017)



4 x size 12
17 x size 16

HD30/HDP20 Half Kits – 24 Shell Size – 23 Cavities NEW

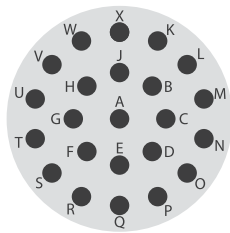


23 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-23PE	1 x Receptacle (HD34-24-23PE) 1 x Removal Tool (O411-204-1605) 26 x Pin – Solid (O460-202-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-23SE	1 x Plug (HD36-24-23SE) 1 x Removal Tool (O411-204-1605) 26 x Socket – Solid (O462-201-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-23SE	1 x Receptacle (HD34-24-23SE) 1 x Removal Tool (O411-204-1605) 26 x Socket – Solid (O462-201-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-23PE	1 x Plug (HD36-24-23PE) 1 x Removal Tool (O411-204-1605) 26 x Pin – Solid (O460-202-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-23PN	1 x Receptacle (HD34-24-23PN) 1 x Removal Tool (O411-310-1605) 26 x Pin – Solid (O460-215-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-23SN	1 x Plug (HD36-24-23SN) 1 x Removal Tool (O411-310-1605) 26 x Socket – Solid (O462-209-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-23SN	1 x Receptacle (HD34-24-23SN) 1 x Removal Tool (O411-310-1605) 26 x Socket – Solid (O462-209-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-23PN	1 x Plug (HD36-24-23PN) 1 x Removal Tool (O411-310-1605) 26 x Pin – Solid (O460-215-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-23PT	1 x Receptacle (HD34-24-23PT) 1 x Removal Tool (O411-310-1605) 26 x Pin – Solid (O460-215-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-23ST	1 x Receptacle (HD34-24-23ST) 1 x Removal Tool (O411-310-1605) 26 x Socket – Solid (O462-209-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)



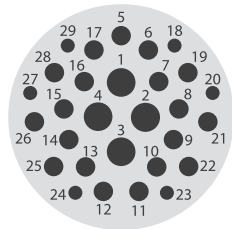
HD30/HDP20 Half Kits – 24 Shell Size – 23 Cavities cont. NEW



23 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Plastic Receptacle	Green Ring (Normal)	P24-24-23PN	1 x Receptacle (HDP24-24-23PN)
			1 x Removal Tool (O411-310-1605)
Plastic Plug	Green Ring (Normal)	P26-24-23SN	26 x Pin – Solid (O460-215-16141)
			8 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-23SE	1 x Panel Nut (2411-001-2405)
			1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-23PE	1 x Plug (HDP26-24-23SN)
			1 x Removal Tool (O411-310-1605)
Plastic Receptacle	Green Ring (Normal)	P24-24-23SN	26 x Socket – Solid (O462-209-16141)
			8 x Cavity Plug (114017)
Plastic Plug	Green Ring (Normal)	P26-24-23PN	1 x Panel Nut (2411-001-2405)
			1 x Lock Washer (2414-001-2486)
Plastic Receptacle	Green Ring (Normal)	P24-24-23SN	1 x Plug (HDP26-24-23PN)
			1 x Removal Tool (O411-310-1605)
Plastic Plug	Green Ring (Normal)	P26-24-23PN	26 x Pin – Solid (O460-215-16141)
			8 x Cavity Plug (114017)

HD30/HDP20 Half Kits – 24 Shell Size – 29 Cavities NEW



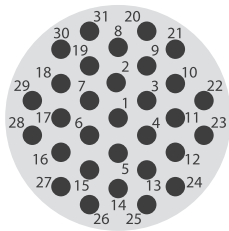
4 x size 12
19 x size 16
6 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-29PE	1 x Receptacle (HD34-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-29SE	1 x Plug (HD36-24-29SE) 1 x Removal Tool (0411-337-1205) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-29SE	1 x Receptacle (HD34-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-29PE	1 x Plug (HD36-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-29PE	1 x Receptacle (HDP24-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-29SE	1 x Plug (HDP26-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-29SE	1 x Receptacle (HDP24-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-29PE	1 x Plug (HDP26-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)



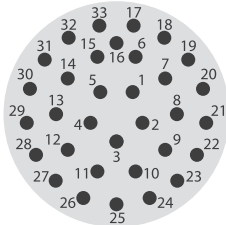
HD30/HDP20 Half Kits – 24 Shell Size – 31 Cavities NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-31PE	1 x Receptacle (HD34-24-31PE) 1 x Removal Tool (O411-204-1605) 36 x Pin – Solid (O460-202-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-31SE	1 x Plug (HD36-24-31SE) 1 x Removal Tool (O411-204-1605) 36 x Socket – Solid (O462-201-16141) 10 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-31PT	1 x Receptacle (HD34-24-31PT) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-215-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Grey Ring (Thin)	M36-24-31ST	1 x Plug (HD36-24-31ST) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-209-16141) 10 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-31ST	1 x Receptacle (HD34-24-31ST) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-209-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Grey Ring (Thin)	M36-24-31PT	1 x Plug (HD36-24-31PT) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-215-16141) 10 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-31PE	1 x Receptacle (HDP24-24-31PE) 1 x Removal Tool (O411-204-1605) 36 x Pin – Solid (O460-202-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-31SE	1 x Plug (HDP26-24-31SE) 1 x Removal Tool (O411-204-1605) 36 x Socket – Solid (O462-201-16141) 10 x Cavity Plug (114017)
Plastic Receptacle	Grey Ring (Thin)	P24-24-31PT	1 x Receptacle (HDP24-24-31PT) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-215-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Grey Ring (Thin)	P26-24-31ST	1 x Plug (HDP26-24-31ST) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-209-16141) 10 x Cavity Plug (114017)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-31SE	1 x Receptacle (HDP24-24-31SE) 1 x Removal Tool (O411-204-1605) 36 x Socket – Solid (O462-201-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-31PE	1 x Plug (HDP26-24-31PE) 1 x Removal Tool (O411-204-1605) 36 x Pin – Solid (O460-202-16141) 10 x Cavity Plug (114017)
Plastic Receptacle	Grey Ring (Thin)	P24-24-31ST	1 x Receptacle (HDP24-24-31ST) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-209-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Grey Ring (Thin)	P26-24-31PT	1 x Plug (HDP26-24-31PT) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-215-16141) 10 x Cavity Plug (114017)



31 x size 16

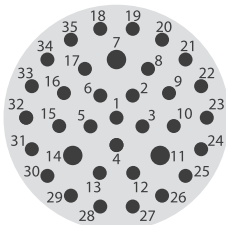
HD30/HDP20 Half Kits – 24 Shell Size – 33 Cavities NEW



33 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-33SN	1 x Receptacle (HD34-24-33SN) 1 x Removal Tool (O411-240-2005) 36 x Socket – Solid (O462-201-20141) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-33PN	1 x Plug (HD36-24-33PN) 1 x Removal Tool (O411-240-2005) 36 x Pin – Solid (O460-202-20141) 10 x Cavity Plug (O413-204-2005)

HD30/HDP20 Half Kits – 24 Shell Size – 35 Cavities NEW



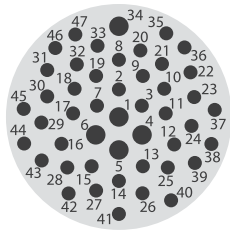
3 x size 16
32 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-35PN	1 x Receptacle (HD34-24-35PN) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-202-20141) 4 x Pin – Solid (O460-215-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-35SN	1 x Plug (HD36-24-35SN) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-201-20141) 4 x Socket – Solid (O462-209-16141) 10 x Cavity Plug (O413-204-2005) 2 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-35SN	1 x Receptacle (HD34-24-35SN) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-310-1605) 36 x Socket – Solid (O462-201-20141) 4 x Socket – Solid (O462-209-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-35PN	1 x Plug (HD36-24-35PN) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-310-1605) 36 x Pin – Solid (O460-202-20141) 4 x Pin – Solid (O460-215-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005)



HD30/HDP20 Half Kits – 24 Shell Size – 47 Cavities NEW

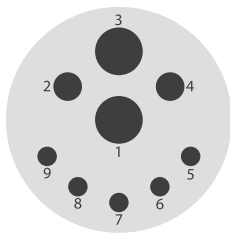
Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-47PE	1 x Receptacle (HD34-24-47PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-240-2005) 47 x Pin – Solid (O460-202-20141) 6 x Pin – Solid (O460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-47SE	1 x Plug (HD36-24-47SE) 1 x Removal Tool (O411-240-2005) 1 x Removal Tool (O411-204-1605) 6 x Socket – Solid (O462-201-16141) 47 x Socket – Solid (O462-201-20141) 10 x Cavity Plug (O413-204-2005) 2 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-47SE	1 x Receptacle (HD34-24-47SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-240-2005) 47 x Socket – Solid (O462-201-20141) 6 x Socket – Solid (O462-201-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-47PE	1 x Plug (HD36-24-47PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-240-2005) 47 x Pin – Solid (O460-202-20141) 6 x Pin – Solid (O460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005)
Plastic Receptacle	Blue Ring (Extra thin)	P24-24-47SE	1 x Receptacle (HDP24-24-47SE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-240-2005) 47 x Socket – Solid (O462-201-20141) 6 x Socket – Solid (O462-201-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Plastic Plug	Blue Ring (Extra thin)	P26-24-47PE	1 x Plug (HDP26-24-47PE) 1 x Removal Tool (O411-204-1605) 1 x Removal Tool (O411-240-2005) 47 x Pin – Solid (O460-202-20141) 6 x Pin – Solid (O460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (O413-204-2005)



5 x size 16
42 x size 20

HD30/HDP20 Half Kits – 24 Shell Size – 91 NEW

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-91PN	1 x Receptacle (HD34-24-91PN) 1 x Removal Tool (114010) 1 x Removal Tool (114008) 1 x Removal Tool (O411-310-1605) 6 x Pin – Solid (O460-215-16141) 3 x Pin – Solid (O460-204-12141) 3 x Pin – Solid (O460-204-08141) 1 x Cavity Plug (114018) 2 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)

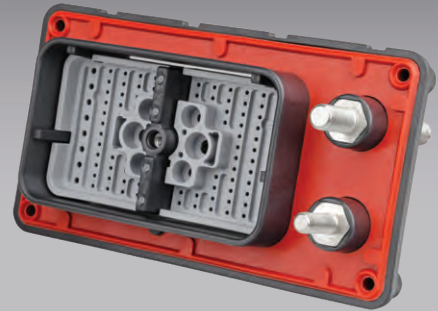


2 x size 8
2 x size 12
5 x size 16

NEW

DRB Series

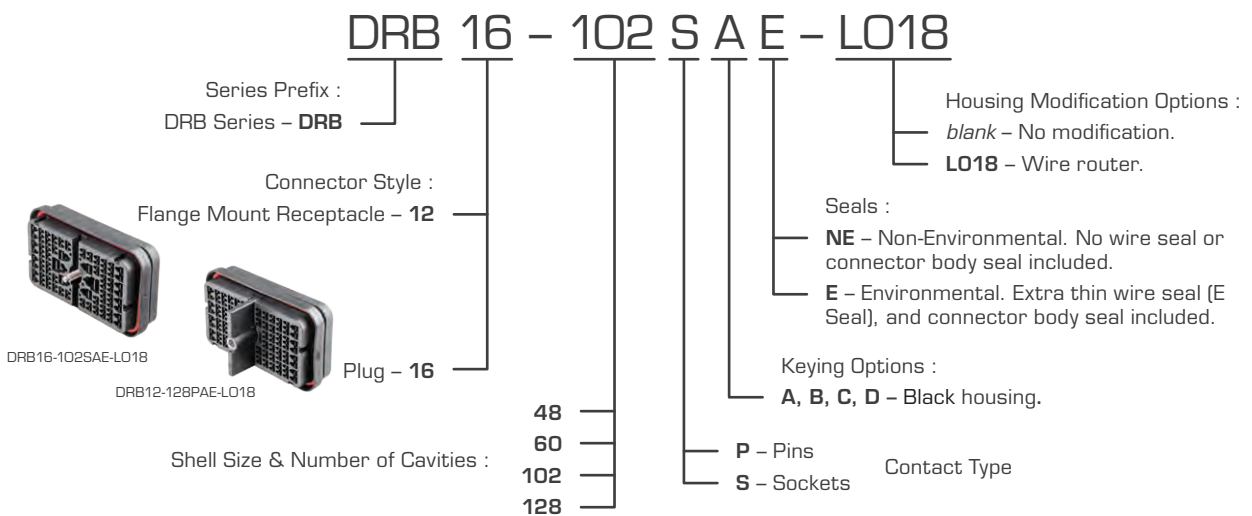
- Heavy duty connectors suitable for bulkhead applications.
- High pin count – 48, 60, 102 and 128 cavities.
- Multiple wire gauges.
- Separate flange mounting options.
- Suitable for on and off highway applications, marine, industrial, and agriculture markets in harsh environments.
- Resistant to most fluids used in industrial applications.
- Environmentally sealed – IP68, when installed to manufacturer's specifications.



Housing : Thermoplastic
 Seals : Silicone Rubber
 Jackscrew : Stainless Steel
 Wedglock : Thermoplastic
 Insulation Resistance : 1000 megohms min. @ 25°C
 Vibration : 20G rms 10 – 2000Hz
 Approvals : 20mm Flame Test per Standard UL-94
 Ingress Protection : IP68
 Operating Temperature : -55°C to 125°C



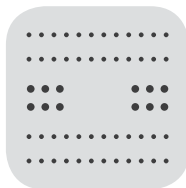
Part Numbering System



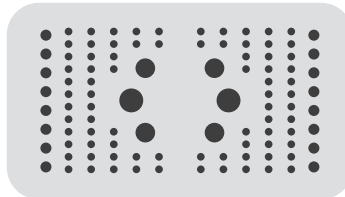
Shell Size & Number of Cavities



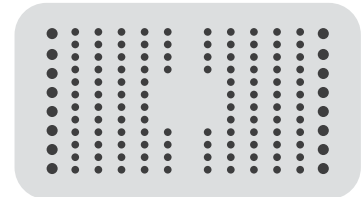
DRB1X-48XXX
 12 x size 12
 24 x size 16
 24 x size 20
 A, B, C, D



DRB1X-60XXX
 12 x size 16
 48 x size 20
 A, B, C, D



DRB1X-102XXX
 2 x size 4
 4 x size 8
 16 x size 12
 80 x size 16
 A, B, C, D



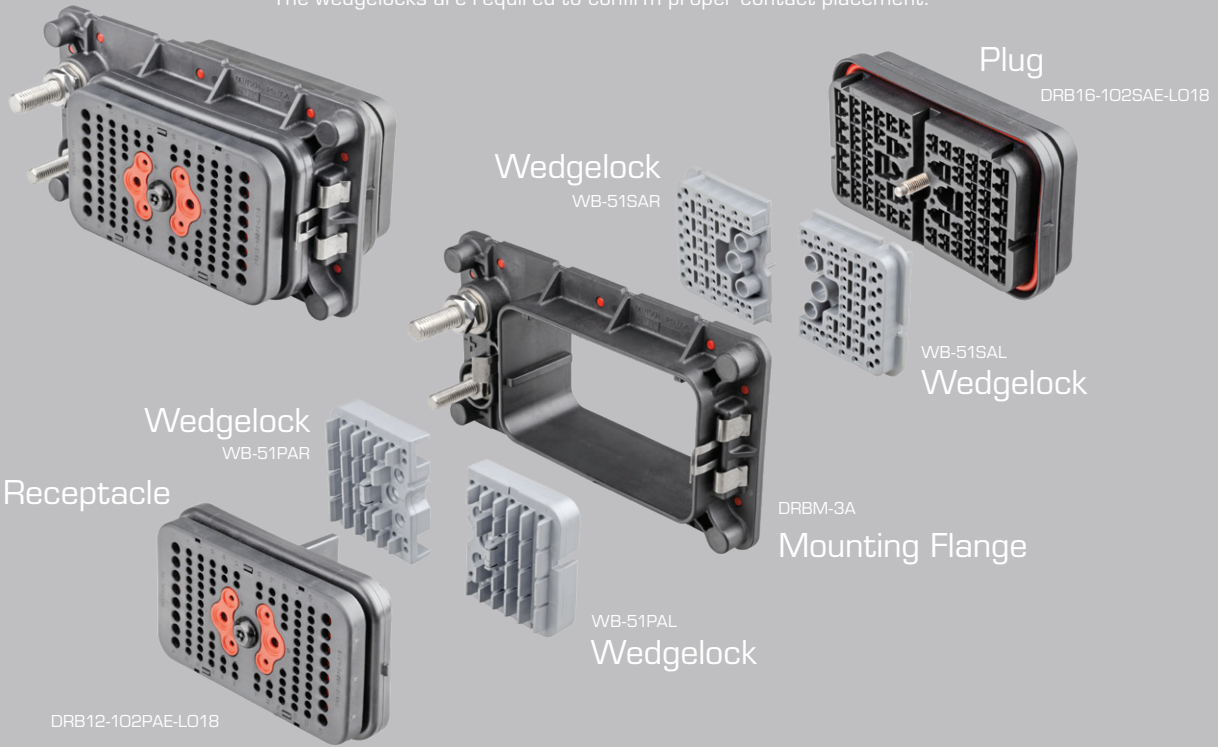
DRB1X-128XXX
 16 x size 12
 112 x size 16
 A, B, C, D



Required Components

A complete DRB assembly requires a mounting flange, a plug and receptacle, and at least one wedgelock for each plug and receptacle.

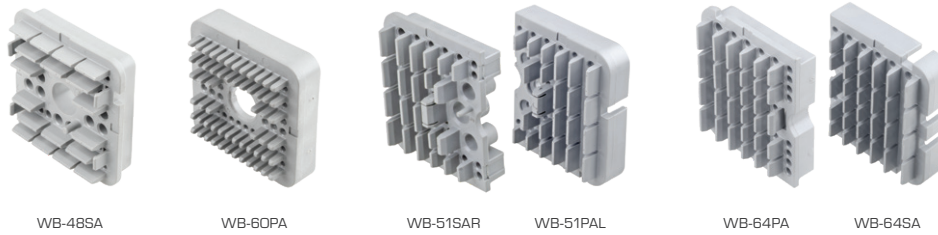
There are several flange options to accommodate design requirements. The wedgelocks are required to confirm proper contact placement.



DRB Series – Mounting Flanges NEW

Part No.	Suits	Mounts	Description
DRBF-1A		Single	Single mounting flange for one 102 or one 128 cavity DRB plug and receptacle mated pair
DRBF-2A		Single	Single mounting flange for one 48 or one 60 cavity DRB plug and receptacle mated pair
DRBM-3A		Single	Single mounting flange for one 102 or one 128 cavity DRB plug and receptacle mated pair. Includes two 125A mounting posts

A, B, C, D keying available, contact your representative.



Coloured keyed Wedgelocks, contact your representative.

- A – Grey
- B – Black
- C – Green
- D – Brown

DRB Series – Wedgelocks NEW

Cavities	Receptacles	Suits		Notes
		Plugs		
48		WB-48PA	WB-48SA	1 required per connector
60		WB-60PA	—	1 required per connector
102		WB-51PAL	WB-51SAL	Left side of connector
		WB-51PAR	WB-51SAR	Right side of connector
128		WB-64PA	WB-64SA	2 required per connector

A, B, C, D coloured keying available, contact your representative.

LO18 Special Modification – Wire Router

With LO18 wire router modification



DRB12-128PAE-LO18

Without LO18 wire router modification



DRB12-102PANE



DRB Series – Insulators/Boots NEW

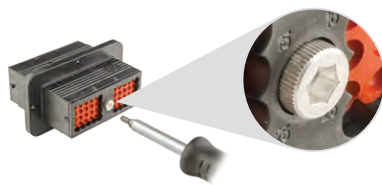
Part No.	Orientation	Suits
DRB102-BT	Straight	102 & 128 Cavity





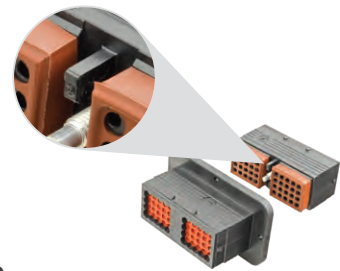
- Environmentally sealed – IP68, IP6K9K when installed to manufacturer's specifications.
- Accepts size 12, 16 and 20 contacts.
- Several mounting options are available including In-Line, Flange, Standard and Moulded in Contact Receptacles.
- Optional accessories include Backshells, Insulators and Mounting Gaskets.
- Mates using key fastened jackscrew.
- Keyed versions for miss-mate prevention.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Insert Retainer :	Thermoplastic
Jackscrew :	Steel
Receptacle Threaded Inserts :	Steel/Brass
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C



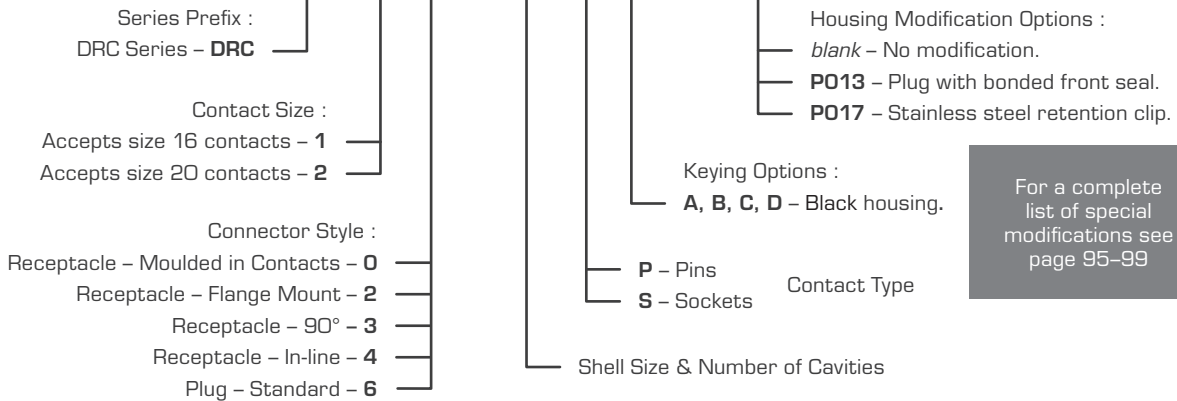
Mates using key fastened jackscrew

Key provides positive alignment & correct mating



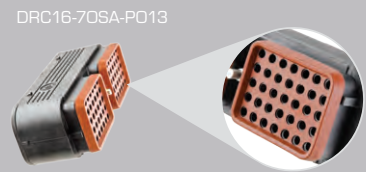
Part Numbering System

DRC 1 6 – 70 S A – P013



For a complete list of special modifications see page 95-99

Special Modifications



P013
Plug with bonded front seal, silicone adhesive.



P017
Stainless steel retention clip for jackscrew.



DRC22-40PA
The DRC22-40PA is an inside mount flange, as opposed to the usual outside mount flange eg DRC12-40PA.

Connector Styles

Receptacle
Moulded in Contacts

DRCX**0**-XXX



DRC10-40P

Receptacle
Flange Mount

DRCX**2**-XXX



DRC12-24PA

Receptacle
90°

DRCX**3**-XXX



DRC12-24PA

Receptacle
In-line

DRCX**4**-XXX



DRC14-40PA

Plug
Standard Plug

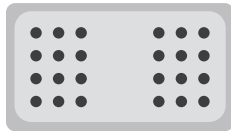
DRCX**6**-XXX



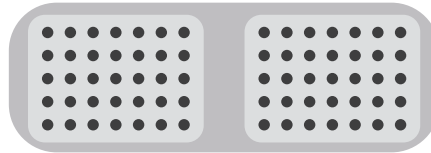
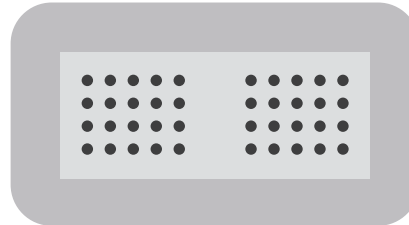
DRC16-70SA

Shell Size & Number of Cavities

DRC**1**X-**24**XXX
24 x size 16

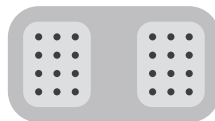


DRC**1**X-**40**XXX
40 x size 16

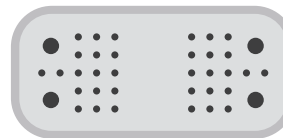


DRC**1**X-**70**XXX
70 x size 16

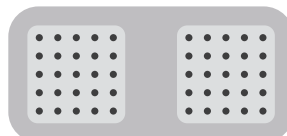
DRC**2**X-**24**XXX
24 x size 20



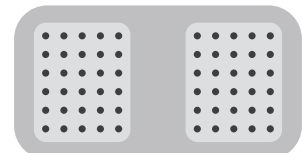
DRC**26**-**38**XXX
34 x size 20, 4 x size 12
(Plug for DRC20-76PXXXX)



DRC**2**X-**40**XXX
40 x size 20



DRC**2**X-**50**XXX
50 x size 20

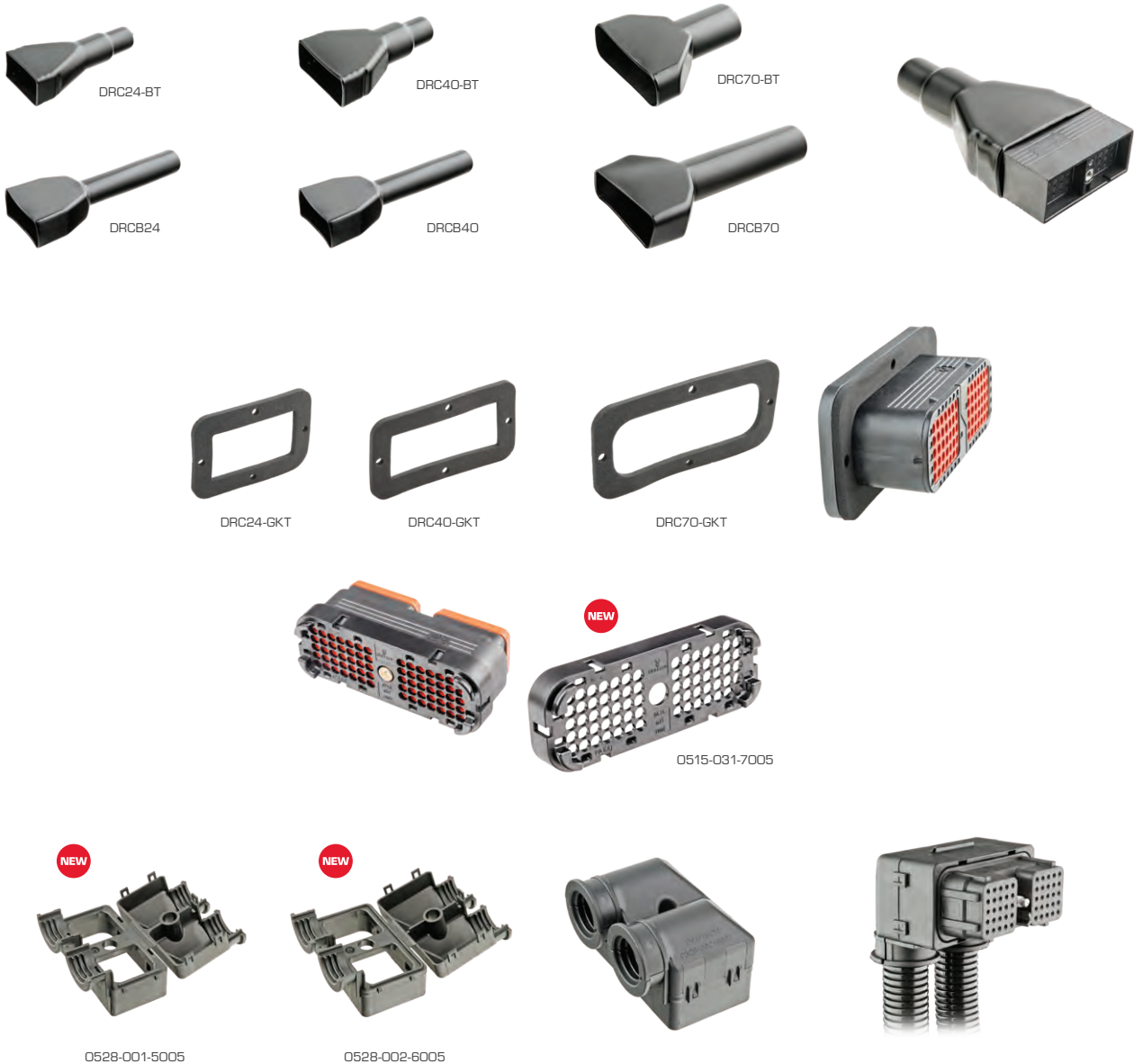


DRC**2**X-**60**XXX
60 x size 20




For complete details on contacts & further options see page 63



DEUTSCH



DRC Series – Accessories

Part No.	Description	Shell Size	Material
DRC24-BT	Insulator – Black – 130mm	24	Plastisol
DRCB24	Insulator – Black – 190mm	24	PVC
DRC40-BT	Insulator – Black – 130mm	40	Plastisol
DRCB40	Insulator – Black – 215mm	40	PVC
DRC70-BT	Insulator – Black – 130mm	70	Plastisol
DRCB70	Insulator – Black – 215mm	70	PVC
DRC24-GKT	Mounting Gasket	24	Neoprene
DRC40-GKT	Mounting Gasket	40	Neoprene
DRC70-GKT	Mounting Gasket	70	Neoprene
0515-031-7005 	Wire router	70	PA66
0528-001-5005 	Backshell – 90°	50	Thermoplastic
0528-002-6005 	Backshell – 90°	60	Thermoplastic

- Superior material selection combined with mechanical CAD/CAM design.
- Exceed demands of today's industrial electrical systems.
- Exceptional durability, performance, corrosion and oxidation resistance.
- Made from high quality copper alloys, finished with nickel, tin or gold-plating.
- Solder is not recommended, eliminating potential flux corrosion.
- No retention tangs required, eliminating potential contact damage.
- Pack quantities of varying sizes available.



Material : Copper Alloy
Plating : Nickel or Gold

Bulk packaged quantities calculated by weight, a +/- 2% variation acceptable.

Solid Contacts



DEUTSCH solid contacts are designed for use with larger wire size and heavy duty applications. Solid contacts are manufactured using a cold heading process with solid copper alloy wire and are available with either a nickel or gold-plating finish.

Solid contacts terminate wire from 6 AWG to 20 AWG (13 - 0.5mm²) and are available in 5 sizes each of the pin and socket. The applicable contact is determined by the size of the conductor only.

Green & Purple Band Contacts

Size 16 and size 20 solid contacts are both available to suit two wire sizes.

Contacts with the **green** band marking accept the larger wire size of 14 AWG (1.0 - 2.0mm²).

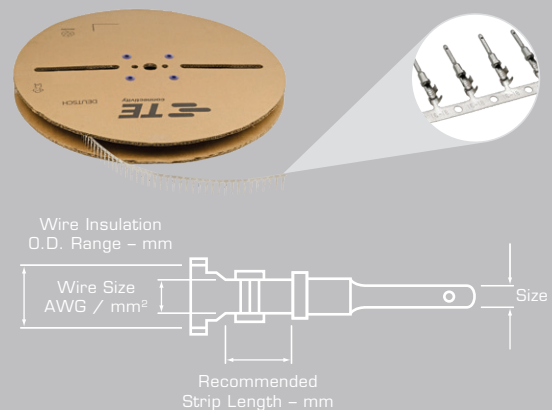
Contacts with the **purple** band marking accept the larger wire size of 18-16 AWG (1.3 - 0.75mm²).



Solid style contacts are sold in bulk.

Bulk packaged quantities calculated by weight, a +/- 2% variation acceptable.

Stamped & Formed Contacts (F-Crimp)



DEUTSCH stamped & formed contacts are designed for use where wire termination costs are of primary concern without sacrificing reliability of electrical circuits. The stamped & formed contacts are made on a precision stamping machine using flat strip stock, then a durable and corrosion proof nickel, or optional gold-plating is applied.

The stamped & formed style contacts terminate wire from 22 AWG to 10 AWG (6.0 - 0.35mm²) and are available in multiple sizes to accommodate a wide range of wire insulation.

The specific contact is determined by the outside diameter of wire insulation and conductor size.

Stamped & formed contacts are available as cut strips or in pack quantities including complete reels.

DEUTSCH



Contacts – Solid

Size	Pin	Part No.		Plating	Wire Size		Recommended Strip Length (mm)	Max. Rated A @ 125°C Continuous
		Socket			AWG	mm ²		
20		0460-202-2031	0462-201-2031	Gold	20	0.2 – 0.5	4.0 – 5.5	7.5
		0460-202-20141	0462-201-20141	Nickel				
20 Purple Band		0460-010-2031	0462-005-2031	Gold	18 – 16	0.75 – 1.3	3.9 – 5.5	7.5
		0460-010-20141	0462-005-20141	Nickel				
16		0460-202-1631	0462-201-1631	Gold	20 – 16	0.5 – 1.0	6.4 – 8.0	13
		0460-202-16141	0462-201-16141	Nickel				
16 Green Band		0460-215-1631	0462-209-1631	Gold	14	1.0 – 2.0	6.4 – 8.0	13
		0460-215-16141	0462-209-16141	Nickel				
12		0460-220-1231	0462-210-1231	Gold	14 – 12	2.0 – 3.0	5.6 – 7.2	25
		0460-204-12141	0462-203-12141	Nickel				
8		0460-204-08141	0462-203-08141	Nickel	10 – 8	5.0 – 8.0	11.0 – 12.5	60
4		0460-204-0490	0462-203-04141	Nickel	6	13.0	11.0 – 12.5	100

Pack Quantities – Contacts – Solid – Pins

Size	Part No.	Plating	NEW									
			25	50	100	400	500	800	1000	2.5K	5K	10K
20	0460-202-2031	Gold	●	●	●	—	●	—	●	—	—	●
	0460-202-20141	Nickel	●	●	●	—	●	—	●	—	—	●
20 Purple Band	0460-010-2031	Gold	—	●	●	—	—	—	—	—	—	—
	0460-010-20141	Nickel	●	●	●	—	●	—	—	—	—	—
16	0460-202-1631	Gold	●	●	●	—	●	—	—	—	●	—
	0460-202-16141	Nickel	●	●	●	—	●	—	●	●	—	—
16 Green Band	0460-215-1631	Gold	●	●	●	—	●	—	—	●	—	—
	0460-215-16141	Nickel	●	●	●	—	●	—	●	—	●	—
12	0460-220-1231	Gold	●	●	●	—	●	—	—	●	—	—
	0460-204-12141	Nickel	●	●	●	—	●	—	●	●	—	—
8	0460-204-08141	Nickel	●	—	●	—	—	●	—	—	—	—
4	0460-204-0490	Nickel	—	—	●	●	—	—	—	—	—	—

Pack Quantities – Contacts – Solid – Sockets

Size	Part No.	Plating	NEW									
			25	50	100	400	500	750	1000	2.5K	5K	10K
20	0462-201-2031	Gold	●	●	●	—	●	—	●	—	—	●
	0462-201-20141	Nickel	●	●	●	—	●	—	●	—	—	●
20 Purple Band	0462-005-2031	Gold	—	●	●	—	—	—	—	—	—	—
	0462-005-20141	Nickel	●	●	●	—	●	—	—	—	—	—
16	0462-201-1631	Gold	●	●	●	—	●	—	—	●	—	—
	0462-201-16141	Nickel	●	●	●	—	●	—	●	—	●	—
16 Green Band	0462-209-1631	Gold	●	●	●	—	●	—	—	●	—	—
	0462-209-16141	Nickel	●	●	●	—	●	—	●	●	—	—
12	0462-210-1231	Gold	●	●	●	—	—	—	—	●	—	—
	0462-203-12141	Nickel	●	●	●	—	●	—	●	●	—	—
8	0462-203-08141	Nickel	●	—	●	—	—	●	—	—	—	—
4	0462-203-04141	Nickel	—	—	●	●	—	—	—	—	—	—



Contacts – Stamped & Formed (F-Crimp)

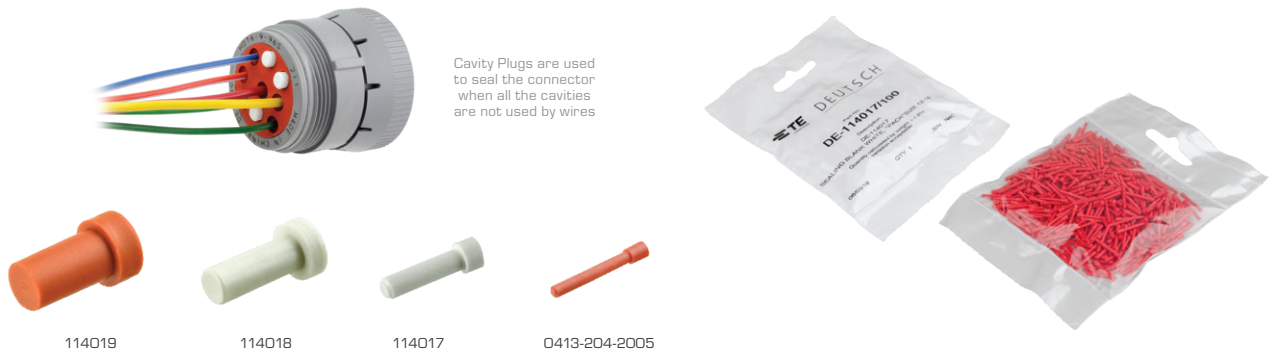
Size	Pin	Part No.	Socket	Plating	Wire Size		Wire Insulation O.D. Range (mm)	Recommended Strip Length (mm)	Max. Rated A @ 125°C Continuous
					AWG	mm ²			
20		1060-20-0122	1062-20-0122	Nickel	22 – 16	0.25 – 1.5	1.91 – 3.15	4.0 – 5.0	7.5
		1060-20-0144	1062-20-0144	Gold					
16		1060-16-0622	1062-16-0622	Nickel	20 – 16	0.5 – 1.0	1.40 – 2.54	3.8 – 5.0	13
		1060-14-0122	1062-14-0122	Nickel	18 – 14	0.75 – 2.0	2.41 – 3.81	3.8 – 5.0	
		1060-14-0144	—	Gold	18 – 14	0.75 – 2.0	2.41 – 3.81	3.8 – 5.0	
		1060-16-0122	1062-16-0122	Nickel	18 – 14	0.75 – 2.0	1.91 – 3.55	3.8 – 5.0	
		NEW 1060-16-0144	1062-16-0144	Gold	18 – 14	0.75 – 2.0	1.91 – 3.55	3.8 – 5.0	
12		—	1062-16-1222	Nickel	16 – 12	1.0 – 2.5	1.91 – 3.55	4.5 – 5.8	25
		1060-12-0166	1062-12-0166	Tin/Nickel	14 – 12	2.0 – 4.0	2.87 – 4.47	5.7 – 6.9	
		1060-12-0222	1062-12-0222	Nickel	12 – 10	4.0 – 6.0	3.56 – 5.18	5.8 – 7.0	



Pack Quantities – Contacts – Stamped & Formed NEW

Size	Plating	Part No.	Pins		Part No.	Sockets	
			100	Reel Qty		100	Reel Qty
20	Nickel	1060-20-0122	●	4000	1062-20-0122	●	4000
	Nickel	1060-16-0122	●	4000	1062-16-0122	●	4000
16	Gold	1060-16-0144	—	4000	1062-16-0144	●	4000
	Nickel	1060-14-0122	●	3200	1062-14-0122	●	4000
12	Nickel	1060-12-0222	●	2000	1062-12-0222	●	2000





Cavity Plugs are used to seal the connector when all the cavities are not used by wires

114019

114018

114017

0413-204-2005

Cavity Plugs

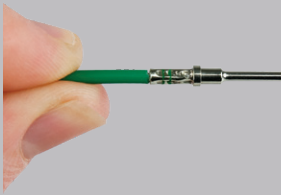
Part No.	Contact Size	Wire Gauge Range (AWG)	Material	Pack Quantities				
				20	50	100	500	1K
114019	4	6	Rubber	—	—	—	—	—
114018	8	10 – 8	Plastic	—	●	—	—	—
114017*	12 – 16	20 – 12	Plastic	●	—	●	●	●
0413-204-2005*	20	20	Plastic	●	—	●	●	—

* 114017 & 0413-204-2005 are not sold individually.

Contact Insertion

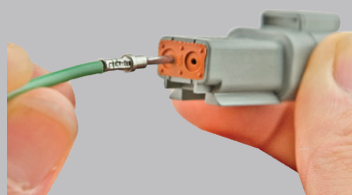
Step 1

Hold crimped contact approximately 25mm behind the contact barrel.



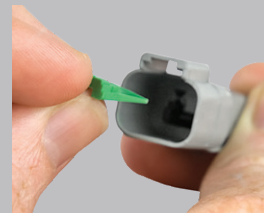
Step 2

Hold connector with rear grommet toward the contact. Push contact into connector grommet until a click is felt. Gently pull back to confirm contact is locked in place.



Step 3

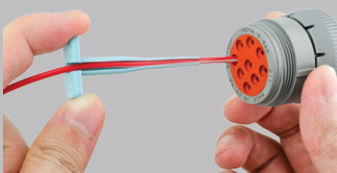
Once all contacts are in place, insert wedgelock. The wedgelock will snap into place securing the contacts.



Contact Removal

Step 1

With the rear insert toward you, snap appropriate size removal tool over the wire of contact to be removed.



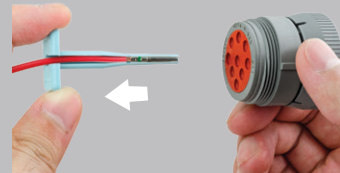
Step 2

Slide tool along the wire into the insert cavity until it engages the contact and resistance is felt.



Step 3

Pull contact wire assembly and removal tool out of connector. Do not twist the removal tool when inside the connector.



For more information on Removal Tools see page 88

Contact Performance Specifications

Current Rating @ 125°C Continuous

Size	Maximum Current (A)
20	7.5
16	13
12	25
8	60
4	100

Contact Millivolt Drop

Size	Test Current (A)	Solid (mV)	Stamped & Formed * (mV)
20	7.5	60	100
16	13	60	100
12	25	60	100
8	60	60	N/A
4	100	60	N/A

* less drop through wire

Crimp Tensile Strength

Size	Tensile Strength (lbs)
20	20
16	25
12	70
8	90
4	300

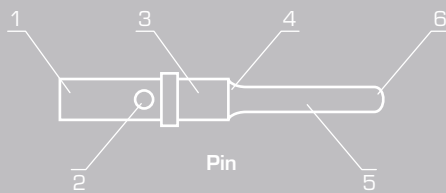
Contact Retention

Size	lbs	N
20	20	89
16	25	111
12	30	133
8	35	156
4	35	156

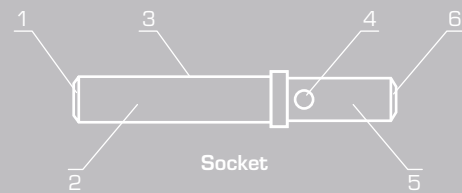
Durability

No electrical or mechanical defects after 100 cycles of engagement and disengagement.

Solid Contacts

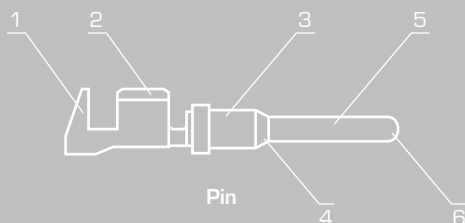


- 1 – Wire lead-in chamfer to aid wire insertion.
- 2 – Inspection hole.
- 3 – Maximum diameter to prevent bending.
- 4 – Radius for added strength.
- 5 – Smooth finish to minimise mating forces.
- 6 – Radius for smooth engagement and reduced misalignment.

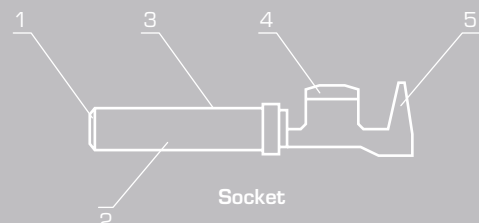


- 1 – Closed entry to prevent probe damage and prevent misalignment, chamfered lead-in to prevent misalignment.
- 2 – Durable tines for superior electrical performance.
- 3 – Stainless steel sleeve for maximum socket tine protection.
- 4 – Inspection hole.
- 5 – Crimp barrel.
- 6 – Wire lead-in chamfer to aid wire insertion.

Stamped & Formed Contacts (F-Crimp)

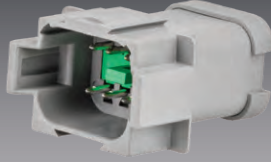


- 1 – Insulation wings for insulation support.
- 2 – Conductor wings for minimal contact resistance.
- 3 – Maximum diameter to prevent bending.
- 4 – Chamfered for added strength.
- 5 – Smooth finish to minimise mating forces.
- 6 – Radius for smooth engagement and reduced misalignment.



- 1 – Closed entry to prevent probe damage and prevent misalignment, chamfered lead-in to prevent misalignment.
- 2 – Durable tines for superior electrical performance.
- 3 – Stainless steel sleeve for maximum socket tine protection.
- 4 – Conductor wings for minimal contact resistance.
- 5 – Insulation wings for insulation support.





Specialty

PCB Headers	70
J1939 Bus Splitter	73
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DT Series – Bussed Receptacles	78
DT Series – Sealed Bus Bars	80
Diodes & Resistors	81



DT13-4P



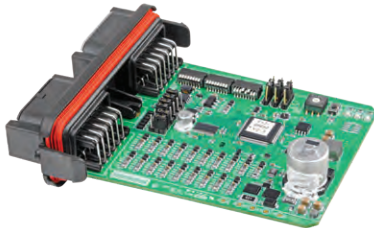
DRC10-40P



DTM13-12PA-12PB-R008

- Reliable and easy to use 'terminate to Printed Circuit Board' connectors.
- Rectangular, thermoplastic design.
- Latches to mating connector.
- Available in the DT, DTM and DRC ranges.
- Wide range of pin counts from 4 to 48.
- Molded-in contacts – no need for potting or epoxy sealants.

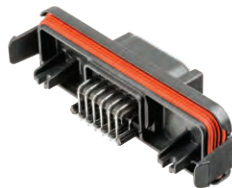
Housing : Thermoplastic
 Seal : Silicone Rubber
 Contact Size : DT & DRC Series 16
 DTM Series 20
 Shock : 50G
 Vibration : 20G rms 10 – 2000Hz
 Operating Temperature : -55°C to 125°C



DTM13-12PA-12PB-R008

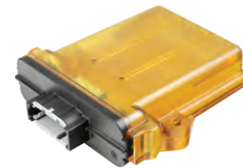


DTM13-12PA-R008



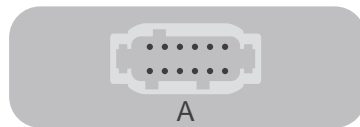
For DTM Series accessories see page 23

EEC-325X4B-E016 with DTM13-12PA-R008



12 x size 20
A Keying

12 x size 20
B Keying



12 x size 20
A Keying



EEC-325X4B



EEC-325X4B-E016

PCB Headers – DTM Series

Part No.	Circuits	Style	Mating Plug
DTM13-12PA-12PB-R008	2 x 12	90°	DTM06-12SA & DTM06-12SB
DTM13-12PA-R008	12	90°	DTM06-12SA
EEC-325X4B	Enclosure – Black		
EEC-325X4B-E016	Enclosure – Amber transparent		



DT13-4P



DT13-12PA



DT15-4P



DT15-6P



DT15-08PA



DTF15-12PA



DT15-12PA



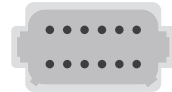
4 x size 16



6 x size 16



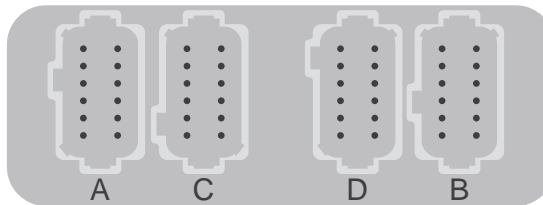
8 x size 16
A Keying



12 x size 16
A Keying



DT13-48PABCD-RO15



12 x size 20 A Keying 12 x size 20 C Keying 12 x size 20 D Keying 12 x size 20 B Keying



EEC-5X650A

PCB Headers – DT Series

Part No.	Circuits	Style	Mating Plug
DT13-4P	4	90° Flange	DT06-4S
DT15-4P	4	Straight Flange	DT06-4S
DT15-6P	6	Straight Flange	DT06-6S
DT15-08PA	8	Straight Flange	DT06-08SA
DT13-12PA NEW	12	90° Flange	DT06-12SA
DTF15-12PA NEW	12	Straight Flangless	DT06-12SA
DT15-12PA	12	Straight Flange	DT06-12SA
DT13-48PABCD-RO15 NEW	4 x 12	90°	DT06-12SA, DT06-12SC, DT06-12SD, DT06-12SB
EEC-5X650A NEW	Enclosure suiting DT13-48PABCD-RO15 – Black. Features vent/breather hole		

For DT Series accessories see page 16



Specialty



DRC13-40PA



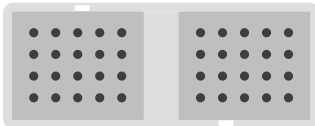
DRC10-24PA



DRC23-24PA



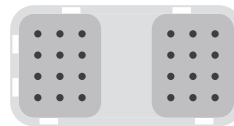
DRC10-40P



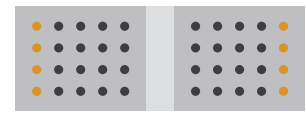
40 x size 16
A Keying



24 x size 16
A Keying



24 x size 20
A Keying



40 x size 16

PCB Headers – DRC Series

Part No.	Circuits	Style	Mating Plug	Notes
DRC13-40PA	40	90°	DRC18-40SA	
DRC10-24PA	24	Straight	DRC16-24SA	
DRC23-24PA NEW	24	90°	DRC16-24SA	
DRC10-40P	40	Straight	DRC16-40S	Outside contact columns gold-plated

For DRC Series accessories see page 62

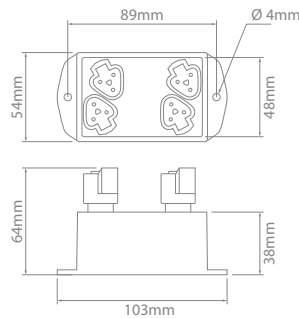
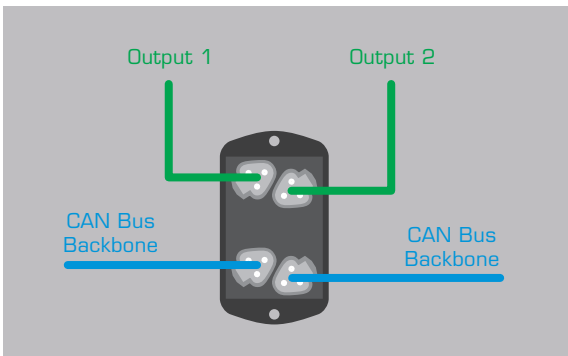
NEW

J1939 Bus Splitter

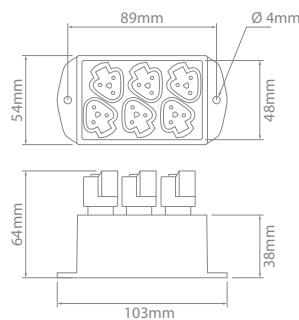
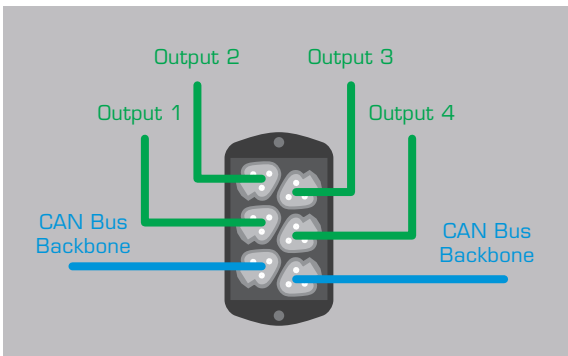
- Designed and manufactured by IONNIC, using genuine DEUTSCH components.
- Branch multiple lines from a J1939 CAN backbone.
- Compact, efficient design.
- DEUTSCH DT Series connectors.
- Environmentally sealed.
- Epoxy filled ABS housing.
- Gold-plated contacts.



Housing : ABS
 Weight : 250g
 CAN : SAE J1939
 Operating Temperature : -40°C to 85°C



CONNKIT-4



Gold-plated contacts on both models

CONNKIT-6

J1939 Bus Splitter NEW

Part No.	Description
CONNKIT-4	Provides 2 branches from backbone
CONNKIT-6	Provides 4 branches from backbone

Mating Components
4 x DT06-3S, 2 x W3S-P012, 2 x W3S-1939-P012
6 x DT06-3S, 4 x W3S-P012, 2 x W3S-1939-P012



Specialty

Controller Area Network



HDBOX-24-91PN

- Environmentally sealed.
- Multiple housing options available.
- Latched mating.
- Wedgelocks ensure contact alignment and retention.

DT06-3S-P006



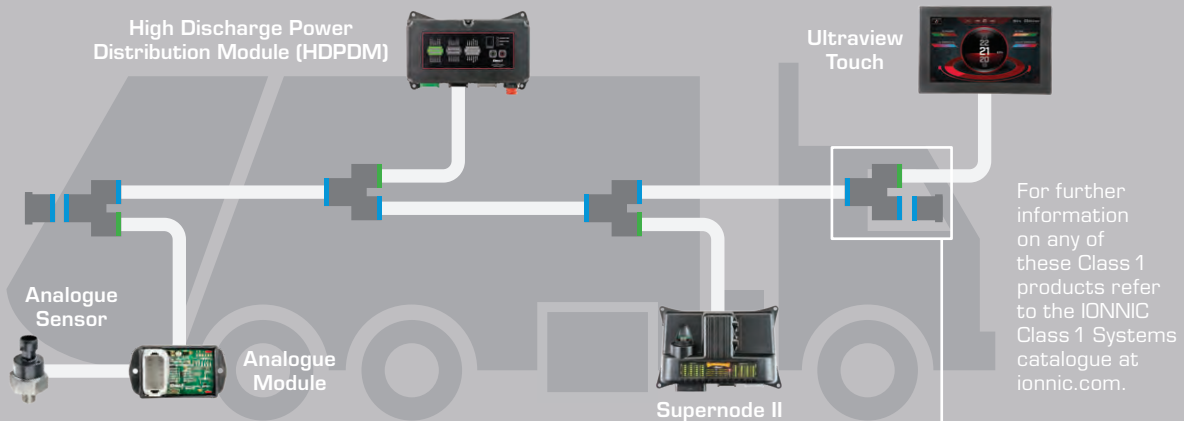
DT04-3P-P007



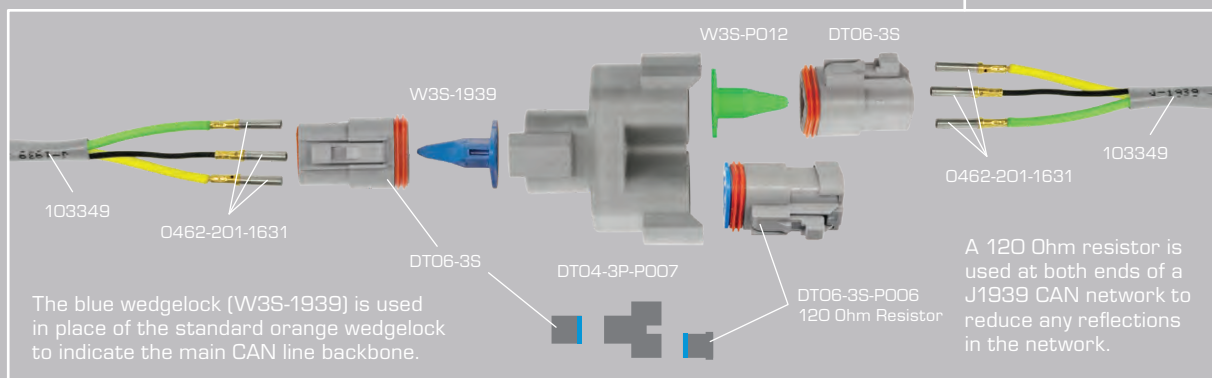
Housing :	HD30 Series	Thermoplastic Aluminium
Seal :		Silicone Rubber
Wedgelock :		Thermoplastic
Vibration :		20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per	Standard UL-94
Operating Temperature :		-55°C to 125°C

Controller Area Networks (CAN)

Controller Area Networks, or CAN are multiplexed control systems. Multiplexing allows multiple data signals to travel on the same wires, integrating separate electronic systems and applications to a single point of control and monitoring system.



For further information on any of these Class 1 products refer to the IONNIC Class 1 Systems catalogue at ionnic.com.





DT06-3S-E008



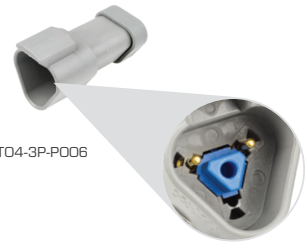
DT06-3S-EP11



DT06-3S-P006



DT04-3P-E008



DT04-3P-P006



W3S-P012



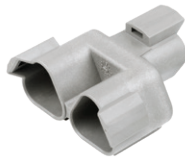
W3S-1939



W3P



W3P-1939



DT04-3P-P007



HD10-9-1939PE



HD16-9-1939SE

J1939/11

J1939/11 is a 3-wire system that uses the DEUTSCH DT series connectors primarily for truck and bus. The DT series accepts size 16 contacts. Connector options include in-line, bulkhead, "Y" splitter, and terminating resistors.



O460-202-1631



O462-201-1631



1062-16-0144

J1939/13

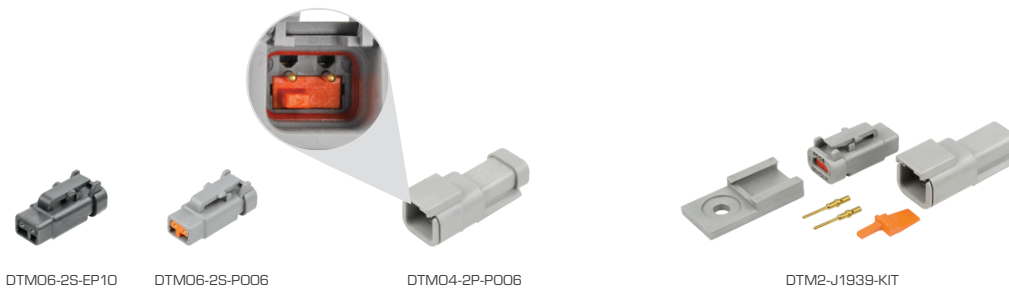
J1939/13 is a system that uses the DEUTSCH HD10 series connectors for on-board diagnostics. The HD10 series accepts size 16 contacts.

CAN – J1939/11 & J1939/13 – Common Components

Part No.	Description	Cavities/Circuits
DT06-3S-E008	DT Series – Plug – Heat shrink adaptor	3
DT06-3S-EP11	DT Series – Plug – Heat shrink adaptor – Black. Requires W3S-P012	3
DT06-3S-P006	DT Series – Plug – 120 Ohms Resistor. Includes wedgelock & contacts	3
W3S-P012	DT Series – Wedgelock – Plug – Green	3
W3S-1939	DT Series – Wedgelock – Plug – Blue	3
DT04-3P-E008	DT Series – Receptacle – Heat shrink adaptor	3
DT04-3P-P006	DT Series – Receptacle – 120 Ohms Resistor. Includes wedgelock & contacts	3
W3P	DT Series – Wedgelock – Receptacle – Green	3
W3P-1939	DT Series – Wedgelock – Receptacle – Blue	3
DT04-3P-P007	DT Series – Receptacle "Y" Piece. Includes wedgelocks & contacts	3
HD10-9-1939PE	HD10 Series – Receptacle. Threaded rear – Black	9
HD16-9-1939SE	HD10 Series – Plug. Threaded rear – Black	9
O460-202-1631	Contact – Pin – Solid – Gold-plated – Size 16	
O462-201-1631	Contact – Socket – Solid – Gold-plated – Size 16	
1062-16-0144	Contact – Socket – F-Crimp – Gold-plated – Size 16	



Specialty



J1939/15

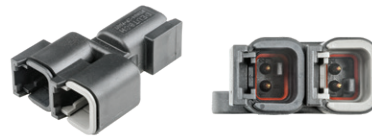
SAE J1939/15 defines the requirements for reduced physical layer 2-wire CAN systems consisting of an unshielded twisted pair of wires.



DTM06-2S-E005

WM-2S

WM-2SB



DTM04-2P-P007



O460-202-2031

1060-20-0144

O462-201-2031

1062-20-0144

CAN – J1939/15 – Common Components

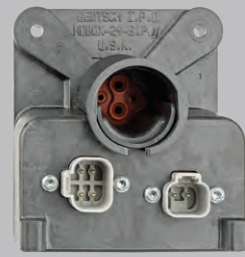
Part No.	Description	Cavities/Circuits
DTM06-2S-EP10	DTM Series – Plug – 120 Ohms Resistor – Black. Includes wedgelock & contacts	2
DTM06-2S-P006	DTM Series – Plug – 120 Ohms Resistor. Includes wedgelock & contacts	2
DTM04-2P-P006	DTM Series – Receptacle – 120 Ohms Resistor. Includes wedgelock & contacts	2
DTM2-J1939-KIT	DTM Series – 120 Ohms Resistor Kit Kit contents: 1 x Receptacle – DTM Series – 2 Circuit (DTM04-2P) 1 x Wedgelock – Orange (WM-2P)	2 1 x DT Series 120 Ohm Resistor (DTM06-2S-P006) 2 x Contact – Pin – Gold-Plated (O460-202-2031) 1 x Mounting Clip (1011-026-0205)
DTM06-2S-E005	DTM Series – Plug – End cap – Black	2
WM-2S	DTM Series – Wedgelock – Plug – Orange	2
WM-2SB	DTM Series – Wedgelock – Plug – Black	2
DTM04-2P-P007	DTM Series – Receptacle “Y” Piece – Black. Includes wedgelock & contacts	2
O460-202-2031	Contact – Pin – Solid – Gold-plated – Size 20	
1060-20-0144	Contact – Pin – F-Crimp – Gold-plated – Size 20	
O462-201-2031	Contact – Socket – Solid – Gold-plated – Size 20	
1062-20-0144	Contact – Socket – F-Crimp – Gold-plated – Size 20	

HDBOX-24-91PN

Originally designed for agricultural applications, the DEUTSCH HDBOX-24-91PN Breakaway CAN Termination Assembly creates a communication pathway between an on-board CAN system and the electronic components on an attached implement.

The HDBox, which holds two DT13 connectors and an HD30 Series receptacle, mounts on the vehicle and mates with an HD30 Series plug connector featuring a breakaway coupling ring.

DEUTSCH breakaway couplings are designed to prevent damage to the CAN wiring of the vehicle and/or the attached implement by disconnecting and separating from the vehicle in the event of an operator driving away without disconnecting beforehand.



Houses
1 x DT13-2P, 1 x DT13-4P
Mates with
DT06-2S-EPO6
DT06-4S-EPO6



Houses
1 x HD34-24-91PN
Mates with
HDB36-24-91SN



HDBOX-24-91PN



HDB36-24-91SN



HDB36-24-91SN-059



DT06-2S-EPO6



DT06-4S-EPO6



W2S-P012



W4S-P012



O460-204-08141



O460-204-12141



O460-202-1631



O462-203-08141



O462-203-12141



O462-201-1631

CAN – HDBOX-24-91PN – Common Components

Part No.	Description	Cavities/Circuits
HDBOX-24-91PN	Breakaway CAN Termination Assembly	15
HDB36-24-91SN	HD30 Series – Plug. Breakaway coupling	9
HDB36-24-91SN-059	HD30 Series – Plug. Breakaway coupling incorporating strain relief	9
DT06-4S-EPO6	DT Series – Plug – Enhanced Seal Retention and End Cap – Black	4
DT06-2S-EPO6	DT Series – Plug – Enhanced Seal Retention and End Cap – Black	2
W2S-P012	DT Series – Wedgelock – Plug – Green	2
W4S-P012	DT Series – Wedgelock – Plug – Green	4
O460-204-08141	Contact – Pin – Solid – Size 8	
O460-204-12141	Contact – Pin – Solid – Size 12	
O460-202-1631	Contact – Pin – Solid – Gold-plated – Size 16	
O462-203-08141	Contact – Socket – Solid – Size 8	
O462-203-12141	Contact – Socket – Solid – Size 12	
O462-201-1631	Contact – Socket – Solid – Gold-plated – Size 16	

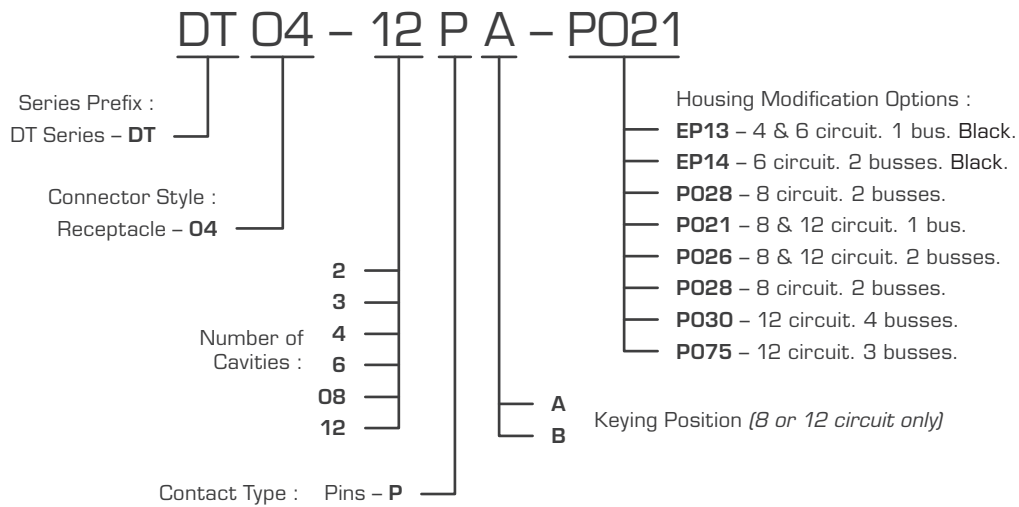




- Designed for use in heavy duty applications where multiple circuits require a common electrical pathway.
- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Integrated bus bars with standard DEUTSCH contacts.
- Mates with standard DT Series plugs.
- Available in multiple bus configurations using standard size 16 contacts.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Wedglock :	Thermoplastic
Bus Plating :	Nickel
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C

Part Numbering System

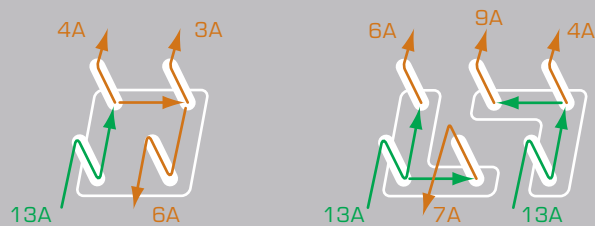


Maximum Current Rating

The maximum current rating is the total amount of current for the entire bus. Current can be distributed in many combinations, but cannot exceed 13A per contact.

The first example shows a connector with 1 four pin bus, the second example shows 2 three pin busses.

A total of 13A can be pulled into one pin which is then split between the remaining pins going out. No more than 13A can go through any single pin.



Bussing examples

DT04-2P-P060



2 Pin

DT04-4P-EP13



4 Pin

DT04-6P-EP14



6 Pin

DT04-08PB-P021



8 Pin

DT04-12PA-P030



12 Pin

Bussed Receptacles

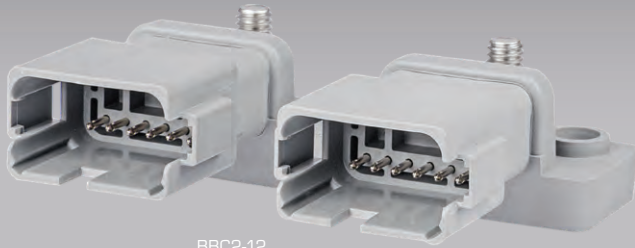
	Total Pins	Max. Current Rating	Colour	Keying	Part No.	Mating Plug
	2	2 Pin Bus = 13A	Black	—	DT04-2P-P060 NEW	DT06-2S
	4	4 Pin Bus = 26A	Black	—	DT04-4P-EP13	DT06-4S
	6	6 Pin Bus = 39A	Black	—	DT04-6P-EP13	DT06-6S
	6	3 Pin Bus = 13A 3 Pin Bus = 13A	Black	—	DT04-6P-EP14	DT06-6S
	8	8 Pin Bus = 52A	Grey Black	A B	DT04-08PA-P021 DT04-08PB-P021	DT06-08SA DT06-08SB
	8	4 Pin Bus = 26A 4 Pin Bus = 26A	Grey Black	A B	DT04-08PA-P026 DT04-08PB-P026	DT06-08SA DT06-08SB
	8	3 Pin Bus = 13A 5 Pin Bus = 26A	Grey Black	A B	DT04-08PA-P028 DT04-08PB-P028	DT06-08SA DT06-08SB
	12	12 Pin Bus = 78A	Grey Black	A B	DT04-12PA-P021 DT04-12PB-P021	DT06-12SA DT06-12SB
	12	6 Pin Bus = 39A 6 Pin Bus = 39A	Grey Black	A B	DT04-12PA-P026 DT04-12PB-P026	DT06-12SA DT06-12SB
	12	3 Pin Bus = 13A 3 Pin Bus = 13A 3 Pin Bus = 13A 3 Pin Bus = 13A	Grey Black	A B	DT04-12PA-P030 DT04-12PB-P030	DT06-12SA DT06-12SB
	12	4 Pin Bus = 26A 4 Pin Bus = 26A 4 Pin Bus = 26A	Grey	A	DT04-12PA-P075	DT06-12SA



NEW



BBC-12

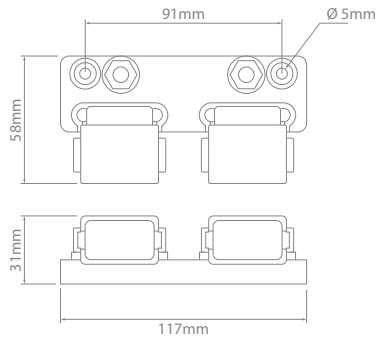
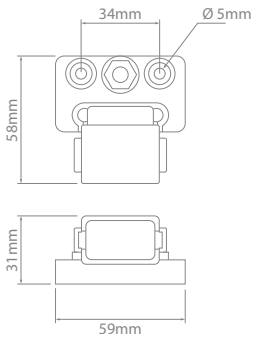


BBC2-12

Made in North America IP68 IP6K9K

- Encapsulated, plug & play design.
- Environmentally sealed connectors – IP68, IP6K9K, when installed to manufacturer's specifications.
- Ignition protection – SAE J1171.
- Compact size.
- Quick & easy install compared to traditional bus bar systems.
- Maintenance free design.
- Made in North America.

Bus : C1100 Electrolytic Copper
Base : RETPU – Injection Moulded
Studs : 5/16–18" Stainless Steel
Ingress Protection : IP68, IP6K9K
Approvals : SAE J1171



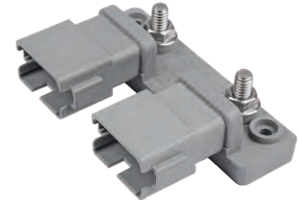
BBC-12



BBC-24



BB2-12



BBC2-12

Sealed Bus Bars **NEW**

Part No.	Type	Current Rating @ 48V	Mating Connector
BBC-12	Single	150A	DT06-12SA
BBC-24	Double	300A	2 x DT06-12SA
BB2-12	Split	2 x 150A	DT06-12SA & DT06-12SB
BBC2-12	Split	2 x 150A	2 x DT06-12SA

- Useful anywhere there is a need to regulate power or protect a device against potential power surges or transient voltages.
- Easily retrofitted.
- Resistors to suit DT and DTM series.
- Environmentally sealed.
- Latched mating.
- Receptacle mounting clips found on page 15.



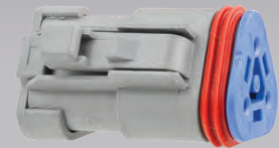
DT04-4P-RT03



DTM06-2S-EP10



DT04-3P-P006



DT06-3S-P006

Housing : Thermoplastic
Seal : Silicone Rubber
Wedglock : Thermoplastic
Shock : 50G
Vibration : 20G rms 10 – 2000Hz



DT04-2P-RT01



DT04-2P-RT02



DT04-4P-RT03



DT04-2P-RT06

Diodes – Unidirectional

Part No.	Suits	Style	Colour	Diode	Peak Reverse Volts	Peak Forward Volts	Avg. Forward Current (A)
DT04-2P-RT01 NEW	DT Series	Receptacle	Black	MUR460	600 max.	1.28 max.	4.0 max.
DT04-2P-RT02	DT Series	Receptacle	Black	1N5625GP	400 max.	1.0 max.	3.0 max.
DT04-4P-RT03 NEW	DT Series	Receptacle	Grey	2x MUR460	600 max.	1.28 max.	4.0 max.

Diodes – Bidirectional

Part No.	Suits	Style	Colour	Diode	Reverse Stand off Voltage	Breakdown Voltage	Clamping Voltage	Peak Pulse Current (A)
DT04-2P-RT06 NEW	DT Series	Receptacle	Green	T.V.S 1.5KE130CA	111	130 (±5V)	179 max.	8.5 max.



DTM06-2S-EP10



DT04-3P-P006



DT06-3S-P006

Resistors

Part No.	Suits	Style	Colour	Ohms	Watts	Tolerance
DTM06-2S-EP10	DTM Series	Plug	Black	120	0.4 min.	5%
DT04-3P-P006	DT Series	Receptacle	Grey	120	0.4 min.	10%
DT06-3S-P006	DT Series	Plug	Grey	120	0.4 min.	10%

Resistors include wedglock.
 For receptacle mounting clips see page 15.







Tools

Crimping Tools 84

Removal Tools 88



HDT-48-00



D2682



DET12

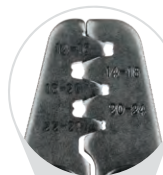
- Wide range of crimping tools to suit both Solid and Stamped & Formed contacts.
- Tight, complete crimp with minimal effort.
- HDT-48-00 crimps a wide range of contact sizes with no need to change out dies or locators.
- Ratcheting tools will not release contact until a full crimp is completed.



NEW



DTT-16-00



NEW



HT-4220



NEW



HT-4560

Made in North America



NEW



D7000

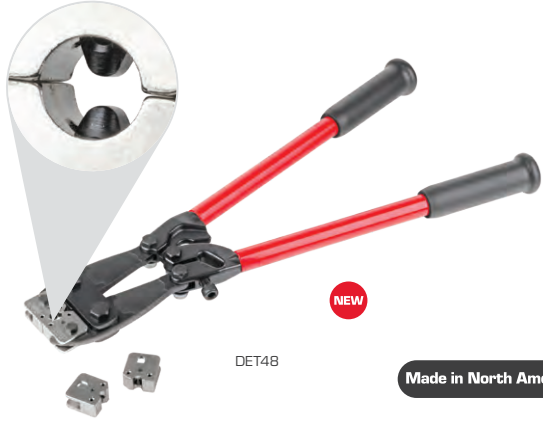


D7000 6 Removable Dies

Die 1 14, 12AWG	Die 2 10, 12AWG
Die 3 18, 16, 14AWG	Die 4 20, 18, 16AWG
Die 5 20, 18-16AWG	Die 6 16, 14, 12AWG

Crimping Tools – Stamped & Formed (F-Crimp) Contacts NEW

Part No.	Description	Crimp Range
DTT-16-00	Ratcheting. 1 indent crimper "U" crimp	16, 14 AWG
HT-4220	Double hinged. 1 indent crimper "U" crimp	24–22, 24–20, 20–18, 18–14, 16–14 AWG
HT-4560	Ratcheting. 1 indent crimper "U" crimp	0.5–1, 1.5–2.5, 4–6mm ²
D7000	Ratcheting crimp tool set with 6 removable dies. 1 indent crimper "U" crimp	



DET48

NEW

Made in North America



HDT-04-08

1 Indent "U" Crimp 2 Indent Crimp 4 Indent Crimp



DET12, DET16, DET20



D2681



D2682



HDT-50-00



HDT-48-00

Crimping Tools – Solid Contacts

Part No.	Description	Contact Size (TE DEUTSCH)	Crimp Style
DET48 NEW	Two handed	8, 4	2 indent
HDT-04-08	Two handed	8, 4	2 indent
DET12*	Ratcheting	12	4 indent
DET16*	Ratcheting	16	4 indent
DET20*	Ratcheting	20	4 indent
D2681	Ratcheting	20, 16, 12	2 indent
D2682	Ratcheting	20, 16, 12	2 indent
HDT-50-00	Ratcheting	20, 16, 12	1 indent
HDT-48-00	Ratcheting	20, 16, 12	4 indent

* Not made in North America.



Crimping with the DET12, DET16 & DET20

Step 1

1. Ensure tool is reset by completely depressing handles.
2. Strip insulation from wire.
3. Insert contact into the appropriate size tool barrel up.



Step 2

1. Depress handles until contact is held but not crimped.



Step 3

- Place the stripped end of the wire in the crimp barrel, ensuring there are no stray wire strands, and fully depress tool handles.



Crimping with the HDT-48-00

Step 1

1. Strip insulation from wire.
2. Raise selector knob and rotate until arrow is aligned with contact size to be crimped.
3. Loosen locknut, turn adjusting screw in until it stops.



Step 2

- Insert contact with barrel up.
1. Turn adjusting screw counter clockwise until contact is flush with indenter cover.
 2. Tighten locknut.



Step 3

1. Insert wire into contact, ensuring there are no stray wire strands.
- Contact must be centred between indenters. Close handles until crimp cycle is completed.
2. Release handles and remove crimped contact.



Crimping with the HDT-50-00

Step 1

1. Ensure tool is reset by completely depressing handles.
2. Strip insulation from wire.
3. Position the contact into the matching sized groove, see markings 20, 18, 12.



Step 2

1. Make sure the shoulder of the contact is flush on the outside of the crimping tool.
2. Depress handles until contact is held but not crimped.



Step 3

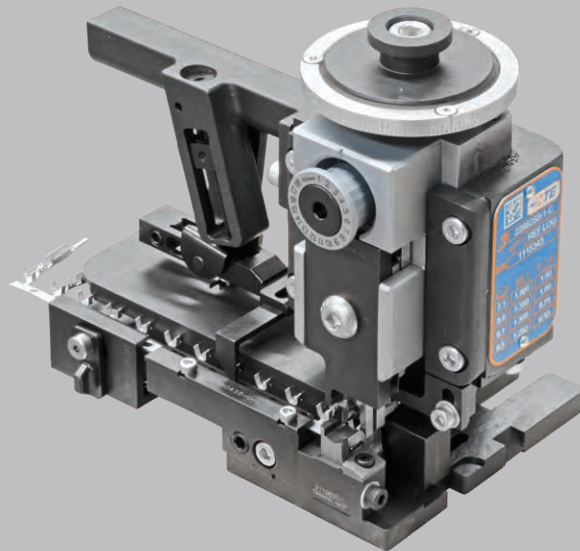
- Place the stripped end of the wire in the crimp barrel, ensuring there are no stray wire strands, and fully depress tool handles.



Also available on request

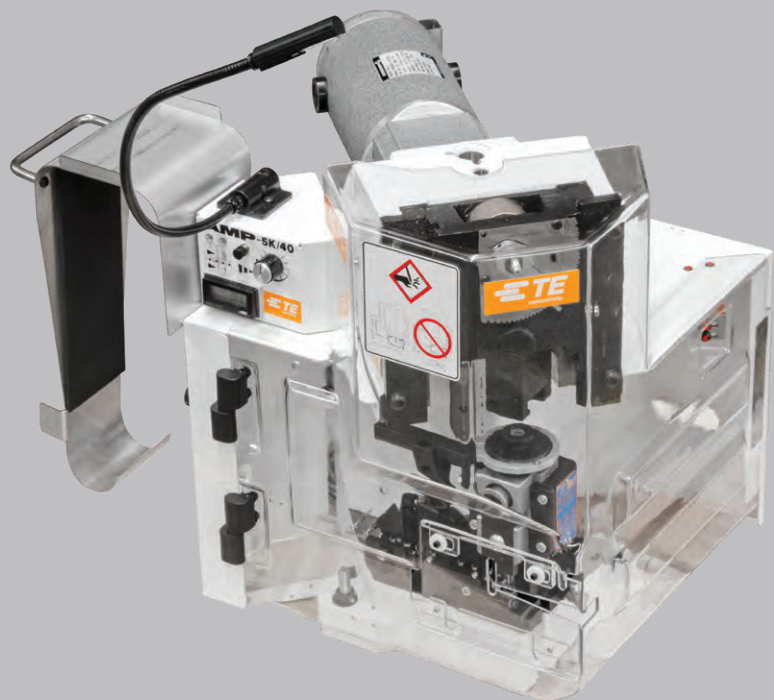
Ocean Series Applicators

- 3 feed options: Mechanical, Pneumatic, and Servo.
- Pre-feed and post-feed cams.
- Cut and no-cut carrier options.
- Adjustable terminal stripper.
- Adjustable spring-loaded terminal hold down.
- Mechanical counter.
- Fine adjust tool-less crimp height mechanisms.
- Robust, reliable construction.
- Same feed units can be used on Side-Feed and End-Feed style applicators. All units can be easily removed and interchanged for upgrades if desired.



AMP 5K/40 Terminators

- 5000lb (2268kg) max. crimp force.
- Tool-less removal of applicators and guards for quick and simple maintenance and product change over.
- Jog capability.
- Quiet and fast operation: 80/76 dBa and cycle time less than 0.400 seconds.
- Accepts Heavy Duty Mini style applicators.
- Wide range of optional equipment such as tool-less precision crimp height adjust, batch counter, CQM capability and work light.
- Universal electrical input: 100-240 VAC, 50/60 Hz.
- Cannot be operated during normal production with guards open.
- Produced under an ISO 9001 Certified Quality System.



For further information ask your local reseller or enquire online at ionnic.com



- Removes contact from connector without damage to the wire, insulation, connector seals, or connector body.
- Removal tools are required for wire removal in the DTHD, HD10, HDP20, HD30 and DRC series.
- Simplifies contact removal and field service repair.
- Usable with all connectors that utilise a round shoulder contact retention system.
- Compact and easy to use.

Material : DET-RT Shaft Polymer High Tensile Steel



Removal Tools

Part No.	Contact Size	Wire Gauge Size (AWG)	Colour	Notes
114009	4	6	White	
114008	8	10, 8	Green	
0411-353-0805	8	10, 8	Green	Extended
114010	12	12	Yellow	
0411-337-1205	12	14, 12	Orange	Extra Thin Wall (E-Seal)
0411-291-1405	14	16, 14	Green	
0411-310-1605	16	18, 16	Light Blue	
0411-336-1605	16	18, 16	Dark Blue	Extra Thin Wall (E-Seal)
0411-204-1605	16	18, 16	Dark Blue	
0411-240-2005	20	24, 20	Red	
DET-RT	Multi-use hook tool			
DET-RT1 NEW	Multi-use hook tool & flat-head screw driver			



Removal Tool Set NEW

Size 8	Size 12	Size 14	Size 16	Size 20
D08	D12	D14	D16	D20

D2683 Multi-use hook tool & flat-head screw driver. Removal tool for sizes 4, 8, 12, 14, 16, 20

Removal Tool Instructions

Step 1
With the rear insert toward you, snap appropriate size removal tool over the wire of contact to be removed.

Step 2
Slide tool along the wire into the insert cavity until it engages the contact and resistance is felt.

Step 3
Pull contact wire assembly and removal tool out of connector. Do not twist the removal tool when inside the connector.

DET-RT Multi-use Tool

Removing Internal Wedgelocks

Step 1
Use the end of the tool to hook the wedgelock as shown.

Step 2
With wedgelock sufficiently hooked firmly pull wedgelock out of connector body.

Removing Individual Contacts

Step 1
Use flat edge of tool to lift tab holding contact.

Step 2
With contact tab held open gently pull contact out.



Caterpillar to DEUTSCH Cross Reference

Caterpillar Part No.	DEUTSCH Part No.	Series	Description	Page
1				
100-5805	HDC16-3	HD10	Protective Cap – Receptacle	34
102-8812	1010-009-0206	DT	Seal – Plug	—
102-8813	1010-002-0306	DT	Seal – Plug	—
102-8814	1010-016-0406	DT	Seal – Plug	—
102-8815	1010-017-0606	DT	Seal – Plug	—
102-8816	1010-007-0806	DT	Seal – Plug	—
102-8817	1010-020-1206	DT	Seal – Plug	—
103-0213	DRC12-70PA	DRC	Standard Housing – Receptacle	60
104-2921	DT06-3S-EPO5	DT	Modified Housing – Plug	—
113-4630	DT04-4P-LE04	DT	Modified Housing – Receptacle	—
113-4630	DT04-4P-LE13	DT	Modified Housing – Receptacle	—
115-1050	1060-16-0122	Contacts	F-Crimp – Pin - Size 14–18	65
115-1051	1062-16-0122	Contacts	F-Crimp – Socket – Size 14–18	65
115-1053	1062-14-0122	Contacts	F-Crimp – Socket – Size 14–18	65
115-3518	HD10-6-12P	HD10	Standard Housing – Receptacle	32
121-9587	O411-310-1605	Tools	Removal – Size 16, 18	88
121-9588	O411-336-1605	Tools	Removal – Size 16, 18	88
122-4384	HD34-24-21PN	HD30	Standard Housing – Receptacle	38
126-1767	O460-215-1631	Contacts	Solid – Pin – Size 14	65
126-1768	O462-209-1631	Contacts	Solid – Socket – Size 14	65
128-2312	HD10-9-96P	HD10	Standard Housing – Receptacle	32
133-0967	O460-247-1631	Contacts	Solid – Pin – Size 16-20	—
133-0969	O462-221-1631	Contacts	Solid – Pin – Size 16-20	—
133-0970	DT04-3P-P007	DT	Modified Housing – Receptacle	75
133-0973	DT04-3P-E008	DT	Modified Housing – Receptacle	75
133-0973	DT04-3P-EE01	DT	Modified Housing – Receptacle	—
133-0974	W3S-1939	DT	Wedgelock – Plug	75
133-0975	W3P-1939	DT	Wedgelock – Receptacle	75
133-4076	DT06-3S-E008	DT	Modified Housing – Plug	75
134-2540	DT04-3P-EP10	DT	Modified Housing – Receptacle	—
137-6645	1010-057-0206	DT	Rubber Seal	—
140-7684	DT04-3P-LE12	DT	Modified Housing – Receptacle	—
142-6258	DT15-12PA-PO10	DT	Modified Housing – Receptacle	—
142-6259	DT15-12PB-PO10	DT	Modified Housing – Receptacle	—
142-8131	DT15-12PC-PO10	DT	Modified Housing – Receptacle	—
143-3345	DT15-4P	DT	Modified Housing – Receptacle	71
143-3346	DRC13-40PA	DRC	Standard Housing – Receptacle	72
150-0377	O462-223-1631	Contacts	Solid – Socket – Size 16–18	—
151-9276	DT04-6P-CE03	DT	Modified Housing – Receptacle	—
151-9277	DT04-4P-CE03	DT	Modified Housing – Receptacle	—
151-9278	DT04-2P-CE03	DT	Modified Housing – Receptacle	—
155-2252	DT06-12SA-EPO8	DT	Modified Housing – Plug	—
155-2253	DT06-12SB-EPO6	DT	Modified Housing – Plug	12
155-2254	DT06-12SC-EPO6	DT	Modified Housing – Plug	—
155-2258	W12S-PO12	DT	Wedgelock – Plug	14
155-2259	W8S-PO12	DT	Wedgelock – Plug	14
155-2260	DT06-3S-EPO9 + W3S-PO12	DT	Modified Housing – Plug & Wedgelock	12, 14
155-2261	W2S-PO12	DT	Wedgelock – Plug	14

Caterpillar to DEUTSCH Cross Reference

Caterpillar Part No.	DEUTSCH Part No.	Series	Description	Page
155-2262	W4S-PO12	DT	Wedgelock – Plug	14
155-2263	W6S-PO12	DT	Wedgelock – Plug	14
155-2264	DT06-08SA-EPO8	DT	Modified Housing – Plug	12
155-2266	W3S-1939-PO12	DT	Wedgelock – Plug	—
155-2267	DT06-3S-EPO6	DT	Modified Housing – Plug	12
155-2269	DT06-2S-EPO6	DT	Modified Housing – Plug	12
155-2272	DT06-4S-EPO6	DT	Modified Housing – Plug	12
155-2273	DT06-6S-EPO6	DT	Modified Housing – Plug	12
155-2276	W3S-PO12	DT	Wedgelock – Plug	14
156-1458	HDC36-18	HD30	Protective Cap – Receptacle	41
156-1459	HDC34-18	HD30	Protective Cap – Plug	41
156-1460	HD34-18-8PN	HD30	Standard Housing – Receptacle	38
156-1461	HD36-18-8SN	HD30	Standard Housing – Plug	38
157-3584	HD16-9-1939S	HD10	Modified Housing – Plug	75
162-3046	DT04-08PA-CEO3	DT	Modified Housing – Receptacle	—
164-2336	DT04-12PA-LE14	DT	Modified Housing – Receptacle	—
167-3692	HDP24-24-31PT	HDP20	Standard Housing – Receptacle	38
167-3693	HDP26-24-31ST	HDP20	Standard Housing – Plug	38
168-5006	2428-004-2405	HDP20	Backshell – 90 Degree	—
168-5007	HDP26-24-47SE-LO17	HDP20	Modified Housing – Plug	—
169-0705	0413-204-2005	Cavity Plug	Size 20	66
169-0706	0462-201-20141	Contacts	Solid – Socket – Size 20	65
169-8670	DT06-3S-EPO9	DT	Modified Housing – Plug	12
171-0596	DT04-3P-CEO1	DT	Modified Housing – Receptacle	—
172-6062	DTV06-18SB	DTV	Modified Housing – Plug	18
172-6063	DTV02-18PB	DTV	Standard Housing – Receptacle	18
172-6064	WV-18P	DTV	Wedgelock – Receptacle	18
172-6065	WV-18S	DTV	Wedgelock – Plug	18
172-9200	DT04-4P-RTO1	DT	Modified Housing – Receptacle	—
173-3047	DTPO6-4S	DTP	Standard Housing – Plug	27
174-0502	DT06-3S-EP11	DT	Modified Housing – Plug	75
174-0611	HD34-18-14PN	HD30	Standard Housing – Receptacle	38
174-0681	HD36-18-14SN	HD30	Standard Housing – Plug	38
174-3016	DT06-3S-PP01	DT	Modified Housing – Plug	12
174-3089	DT04-12PA-BEQ4	DT	Modified Housing – Receptacle	—
175-3880	1010-064-0206	DT	Rubber Seal	—
175-3881	1010-062-0306	DT	Rubber Seal	—
175-3882	1010-066-0406	DT	Rubber Seal	—
175-3883	1010-070-0606	DT	Rubber Seal	—
175-3884	1010-063-0806	DT	Rubber Seal	—
175-3885	1010-058-1206	DT	Rubber Seal	—
176-2942	DT06-2S-EP11	DT	Modified Housing – Plug	—
176-2946	DT06-4S-CEO5	DT	Modified Housing – Plug	—
177-9641	DTPO4-2P-E003	DTP	Modified Housing – Receptacle	27
177-9642	WP-2P	DTP	Wedgelock – Receptacle	28
177-9646	DTPO6-2S-E003	DTP	Modified Housing – Plug	28
177-9647	WP-2S	DTP	Wedgelock – Plug	28
177-9649	DTPO4-4P-E003	DTP	Modified Housing – Receptacle	28
177-9650	WP-4P	DTP	Wedgelock – Receptacle	28
177-9654	DTPO6-4S-E003	DTP	Modified Housing – Plug	28



Caterpillar to DEUTSCH Cross Reference

Caterpillar Part No.	DEUTSCH Part No.	Series	Description	Page
177-9655	WP-4S	DTP	Wedgelock – Plug	28
180-9214	112263-90	HD30	Panel Nut	41
180-9339	1060-16-0988	Contacts	Solid – Pin – Size 14-18	—
180-9340	1062-16-0988	Contacts	Solid – Socket – Size 14-18	—
183-5784	DRC18-40SC-PO13	DRC	Modified Housing – Plug	—
183-5785	DRC12-40PC	DRC	Standard Housing – Receptacle	60
184-7035	DT04-12PA-L012	DT	Modified Housing – Receptacle	10
184-7036	DT04-12PB-L012	DT	Modified Housing – Receptacle	10
184-7037	DT04-12PC-L012	DT	Modified Housing – Receptacle	10
186-3735	O460-202-16141	Contacts	Solid – Pin – Size 16-20	65
186-3736	O462-201-16141	Contacts	Solid – Socket – Size 16-18	65
186-4848	W2SD-PO12	DT	Wedgelock – Plug	—
189-3158	DT04-2P-RTO1	DT	Modified Housing – Receptacle	81
190-7612	DT04-12PB-BE02	DT	Modified Housing – Receptacle	—
190-7613	DT04-12PC-BE02	DT	Modified Housing – Receptacle	—
191-7823	DTV02-18PB-C032	DTV	Modified Housing – Receptacle	—
195-0534	DT04-08PA-LE11	DT	Modified Housing – Receptacle	—
195-7970	O411-354-1605	Tools	Removal – Size 16	—
196-5330	DT04-4P-LE11	DT	Modified Housing – Receptacle	—
197-4385	DT04-2P-RTO2	DT	Modified Housing – Receptacle	81
197-7259	HDP24-24-19PE	HDP20	Standard Housing – Receptacle	38
197-7261	HDP26-24-19SE	HDP20	Standard Housing – Plug	38
1U5804	HDT-48-00	Tools	Crimping – Size 12, 16, 20, 22	85
1U5805	O411-291-1405	Tools	Removal – Size 14, 16	88

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200-1898	DT04-4P-RTO3	DT	Modified Housing – Receptacle	81
201-2277	HDP26-24-18SN	HDP20	Standard Housing – Plug	38
201-2280	HDP24-24-18PN	HDP20	Standard Housing – Receptacle	38
204-6195	O462-203-08141	Contacts	Solid – Socket – Size 8-10	65
211-0052	2411-001-2405	HDP20	HDP Panel Nut	41
218-4935	DT04-2P-RTO6	DT	Modified Housing – Receptacle	—
221-9804	DTHD06-1-8S-E003	DTHD	DTHD Series Modified Housing – Plug	—
225-3861	HDP24-24-31ST	HDP20	Standard Housing – Receptacle	38
225-9435	DT04-12PC-BLO5	DT	Modified Housing – Receptacle	—
226-0936	DT04-2P-PO49	DT	Modified Housing – Receptacle	—
228-8989	DT04-2P-RT21	DT	Modified Housing – Receptacle	—
230-7254	O460-002-1631	Contacts	Solid – Pin – Size 16-20	—
230-7255	O462-004-1631	Contacts	Solid – Socket – Size 16-20	—
245-8021	DRC16-24SAE-PO13	DRC	Modified Housing – Plug	60
247-8195	DTM06-3S	DTM	Standard Housing – Plug	21
247-8196	WM-3S	DTM	Wedgelock – Plug	21
247-9654	1062-20-0122	Contacts	F-Crimp – Socket – Size 16-22	65
253-8110	DTM06-12SA	DTM	Standard Housing – Plug	21
253-8111	DTM06-12SB	DTM	Standard Housing – Plug	21
253-8112	DRC26-50SO1	DRC	Standard Housing – Plug	—
253-8113	WM-12S	DTM	Wedgelock – Plug	21
272-2838	HDP26-24-31SE	HDP20	Standard Housing – Plug	38
272-2840	HDP24-24-31PE	HDP20	Standard Housing – Receptacle	38
273-6315	HDP26-24-9SE	HDP20	Standard Housing – Plug	38

Caterpillar to DEUTSCH Cross Reference

Caterpillar Part No.	DEUTSCH Part No.	Series	Description	Page
273-6316	HDP24-24-9PE	HDP20	Standard Housing – Receptacle	38
275-0601	1062-20-0144	Contacts	F-Crimp – Socket – Size 16–22	65
276-1151	0460-204-08141	Contacts	Solid – Pin – Size 8–10	65
276-5286	HDP26-24-31PE	HDP20	Standard Housing – Plug	38
276-5287	HDP24-24-31SE	HDP20	Standard Housing – Receptacle	38

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308-6732	HDP24-24-31PT-LO17	HDP20	Modified Housing – Receptacle	—
3E3364	DT04-2P-E005	DT	Modified Housing – Receptacle	12
3E3365	W2P-P004	DT	Wedgelock – Receptacle	—
3E3368	W3S	DT	Wedgelock – Plug	—
3E3370	DT04-3P-E005	DT	Modified Housing – Receptacle	12
3E3371	W3P-P004	DT	Wedgelock – Receptacle	—
3E3374	W4S	DT	Wedgelock – Plug	14
3E3375	DT04-4P-E004	DT	Modified Housing – Receptacle	—
3E3376	DT04-4P-E005	DT	Modified Housing – Receptacle	12
3E3377	W4P-P004	DT	Wedgelock – Receptacle	—
3E3380	W6S	DT	Wedgelock – Plug	14
3E3382	DT04-6P-E005	DT	Modified Housing – Receptacle	12
3E3383	W6P-P004	DT	Wedgelock – Receptacle	—
3E3386	W8S	DT	Wedgelock – Plug	14
3E3387	DT04-08PA-E004	DT	Modified Housing – Receptacle	—
3E3388	DT04-08PA-E005	DT	Modified Housing – Receptacle	12
3E3389	W8P-P004	DT	Modified Wedgelock – Receptacle	—
3E4367	0535-001-0001	DRC	Retaining Ring	—
3E5177	W12S	DT	Wedgelock – Plug – 12 Cavities	14
3E5179	DT04-12PA-BE03	DT	Modified Housing – Receptacle	—
3E5179	DT04-12PA-E005	DT	Modified Housing – Receptacle	12
3E5180	W12P-P004	DT	Modified Wedgelock – Receptacle	—
3E5225	HD16-6-12S	HD10	Standard Housing – Plug	34
3E5226	0462-210-1231	Contacts	Solid – Socket – Size 12–14	65
3E5312	DRC10-24PB	DRC	Standard Housing – Receptacle	60
3E5394	HD10-5-16P-B009	HD10	Modified Housing – Receptacle	—
3E6443	0504-001-4001	DRC	Protective Cap – Receptacle – 40 Cavities	—
3E6447	DRC13-70PD	DRC	Standard Housing – Receptacle	60
3E6448	DRC16-70SD-PO13	DRC	Modified Housing – Plug	—
3E7990	DT04-12PA-LE10	DT	Modified Housing – Receptacle	—
3E8557	0526-001-0090	DRC	Jackscrew	—
3E8558	0526-004-0090	DRC	Jackscrew	—
3E8826	DRC10-24PA-A004	DRC	Modified Housing – Receptacle	—
3E8969	DT04-12PA-LE09	DT	Modified Housing – Receptacle	—
3E9399	DRC10-40P-A004	DRC	Modified Housing – Receptacle	—

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7T0093	0460-204-12141	Contacts	Solid – Pin – Size 12–14	65
7T0094	0462-203-12141	Contacts	Solid – Socket – Size 12	65
7T3272	HD14-6-96P	HD10	Standard Housing – Receptacle	38
7T9742	0460-247-16141	Contacts	Solid – Pin – Size 16–20	—
7X1873	HD16-6-12S-B010	HD10	Modified Housing – Plug	34



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7X6198	HD18-003	HD10	Strain Relief – Shell Size 3	34
7X6217	HD14-9-16P	HD10	Standard Housing – Receptacle	32
7X6221	DRC10-24PA	DRC	Standard Housing – Receptacle	72
7X6222	DRC16-24SA-PO13	DRC	Modified Housing – Plug	—

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8C3654	HD16-6-96S	HD10	Standard Housing – Plug	32
8C6353	HDC14-9	HD10	Protective Cap – Plug – Shell Size 9	34
8C6354	HDC16-9	HD10	Protective Cap – Receptacle – Shell Size 9	34
8T5318	O411-204-1605	Tools	Removal – Size 16, 18	88
8T8731	HD16-3-96S	HD10	Standard Housing – Plug	32
8T8732	HD14-3-96P	HD10	Standard Housing – Receptacle	32
8T8733	HD16-5-16S	HD10	Standard Housing – Plug	32
8T8734	HD14-5-16P	HD10	Standard Housing – Receptacle	32
8T8735	HD16-9-96S	HD10	Standard Housing – Plug	32
8T8736	HD14-9-96P	HD10	Standard Housing – Receptacle	32
8T8737	114017	Cavity Plug	Size 12–16	66
8T9833	DRC10-40P	DRC	Standard Housing – Receptacle	60
8T9834	DRC16-40S-PO13	DRC	Modified Housing – Plug	—

9

9W0844	O462-209-16141	Contacts	Solid – Pin – Size 14	65
9W0847	HD16-9-16S	HD10	Standard Housing – Plug	32
9W0852	O460-215-16141	Contacts	Solid – Pin – Size 14	65
9W1951	HD10-9-96P-B009	HD10	Modified Housing – Receptacle	34
9X0141	DRC18-40SA-PO13	DRC	Modified Housing – Plug	—
9X0145	DRC12-24PA	DRC	Standard Housing – Receptacle	60
9X0146	DRC14-24PA	DRC	Standard Housing – Receptacle	60
9X0347	DRC16-70SB-PO13	DRC	Modified Housing – Plug	—
9X0348	DRC13-70PB	DRC	Standard Housing – Receptacle	60
9X0352	DT04-2P-N006	DT	Modified Housing – Receptacle	—
9X1339	DRC14-40PA	DRC	Standard Housing – Receptacle	60
9X1343	DRC12-40PA	DRC	Standard Housing – Receptacle	60
9X3401	O460-202-1631	Contacts	Solid – Pin – Size 16–20	65
9X3402	O462-201-1631	Contacts	Solid – Socket – Size 16–20	65
9X3467	HDC14-3	HD10	Protective Cap – Plug – Shell Size 3	34
9X4391	DRC16-70SA-PO13	DRC	Modified Housing – Plug	60
9X4404	HDC14-6	HD10	Protective Cap – Plug – Shell Size 6	34
9X4405	HDC16-6	HD10	Protective Cap – Receptacle – Shell Size 6	34
9X4813	HD10-3-96P	HD10	Standard Housing – Receptacle	32
9X4814	HD10-6-96P	HD10	Standard Housing – Receptacle	32
9X7143	DRC12-24PB	DRC	Standard Housing – Receptacle	60
9X7144	DRC16-24SB-PO13	DRC	Modified Housing – Plug	—
9X7145	DRC12-24PC	DRC	Standard Housing – Receptacle	60
9X7146	DRC16-24SC-PO13	DRC	Modified Housing – Plug	—
9X7147	DRC18-40SB-PO13	DRC	Modified Housing – Plug	—
9X7148	DRC12-40PB	DRC	Standard Housing – Receptacle	60

DEUTSCH Housing Modifications

Housing Modifications

This modification list is only applicable to the TE DEUTSCH product line and series listed. Modifications listed are for reference only and may not be available for every arrangement.

DT04-2P-E008



E008

Heat shrink adaptor.

DTM06-2S-EP10



EP10

120 Ohms terminating resistor. Black.

DTP04-4P-L012



L012

Flange mount receptacle.

Mod #	Series	Description
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A

A004	DRC	Receptacle with molded-in PCB pins, 24 and 40 way
A006	DRC	Receptacle with molded-in PCB pins, 40 way, #40 pin removed

B

B009	HD10	Receptacle with raised key removed from front of flange, no rear threads
B010	HD10	Plug with coupling ring added
B016	DT, DT13/15	Receptacle has extended shell and enhanced keys, plug has enhanced seal retention (PO12), 12 way
B019	HD30	Custom snap ring mount
B022	HD10	Receptacle with D-hole panel mount, rear threads, J1939, black
B025	HD10	Receptacle with D-hole panel mount, no rear threads, black
B026	DTMF	PCB receptacle with alternate keying, requires plugs with WM-12S-B026 wedgelocks
B028	DT15	5 P.S.I rating

BE

BE02	DT	Receptacle with extended shell and enhanced keys (B016), end cap
BE03	DT	Receptacle with extended shell and enhanced keys (B016), end cap, black
BE04	DT	Receptacle with extended shell and enhanced keys (B016), end cap, reduced diameter seals (E seal), black
BE05	DT	Receptacle with extended shell and enhanced keys (B016), end cap, sealed flange, reduced diameter seals (E seal), threaded stainless steel flange inserts

BL

BLO4	DT	Receptacle with extended shell and enhanced keys (B016), welded flange
BLO8	DT	Receptacle with extended shell and enhanced keys (B016), welded flange, black
BL10	DT	Receptacle with extended shell and enhanced keys (B016), sealed flange, reduced diameter seals (E seal), shrink boot adapter, threaded stainless steel flange inserts
BL11	DT	Receptacle with extended shell and enhanced keys (B016), sealed flange, reduced diameter seals (E seal), end cap, threaded stainless steel flange inserts

BP

BP03	HD10	Receptacle with D-hole panel mount, J1939 Type II, green
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C

C003	HDN	Standard cavity marking identification
C008	DT	Cavity blocked (C)
C012	HD30	Cavities blocked (J, P)
C015	DT, DTP	Reduced diameter seals (E seal)
C016	HD10	Cavities blocked (H, J) - HD10 Series 9 way
C017	DT, DTM, DTP	Solid rear grommet



TE DEUTSCH Housing Modifications

Mod #	Series	Description
CO18	HD30	Cavities blocked (11, 18, 19), N/E seal options
CO19	HD30	Cavities blocked (1, 2, 8, 9), N/E seal options
CO20	HD30	Cavities blocked (A, D), N/E seal options
CO21	HD30	Cavities blocked (A, B, C, D)
CO22	HD30	Cavities blocked (A, D, J, M), with reduced diameter seals (E seal)
CO24	HD10	Cavities blocked (B, C, D)
CO26	DRC	Cavities blocked, 50 way
CO30	HD30, HDP20	Four size 16 cavities blocked (1, 2, 5, 6)
CO38	HD30, HDP20	Three size 4, four size 16, requires special size 4 AWG contacts
CO41	HDP20	Receptacle with diagnostic keying

CE

CE01	DT	Reduced diameter seals (E seal), end cap
CE02	DT, DTP	Reduced diameter seals (E seal), black
CE03	DT	Reduced diameter seals (E seal), end cap, black
CE04	DT	Reduced diameter seals (E seal), shrink boot adapter
CE05	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), end cap
CE06	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12)
CE07	DT	Receptacle with extended shell and enhanced keys (BO16), reduced diameter seals (E seal), end cap
CE08	DT	Receptacle with extended shell and enhanced keys (BO16), reduced diameter seals (E seal)
CE09	DT	Reduced diameter seals (E seal), shrink boot adapter, black
CE10	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), black
CE11	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), end cap, black
CE12	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), shrink boot adapter, black
CE13	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), shrink boot adapter
CE14	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), latch guard end cap, black
CE27	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), for use with integrated LED wedgelock, end cap, transparent Ultem
CE28	DT	Plug with reduced diameter seals (E seal), enhanced seal retention (PO12), for use with integrated LED wedgelock, transparent Ultem

CL

CLO1	HD30	Cavities blocked (J, Q, R, S, X), adapter for cable clamp (O72)
CLO3	DT	Reduced diameter seals (E seal), welded flange
CLO7	DT	Reduced diameter seals (E seal), sealed flange, shrink boot adapter
CLO8	DT	Reduced diameter seals (E seal), welded flange, end cap, disabled latch
CLO9	DT	Reduced diameter seals (E seal), sealed flange, end cap, black
CL15	DT	Reduced diameter seals (E seal), welded flange, black
CL20	HDP20	Plug with diagnostic keying

CG

CG01	DRC	5mm threaded insert with silver plating, molded-in contacts, outside rows gold
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CP

CP01	DT	All cavities plugged, enhanced seal retention (PO12), end cap
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E

E003	DT, DTHD, DTM, DTP	End cap
E004	DT, DTM, DTP, HD10	Black
E005	DT, DTM, DTP	Black, end cap
E007	DTM	Shrink boot adapter
E008	DT	Shrink boot adapter
E009	DRC	24 way and 40 way receptacle, B keys, housing is gray, flange is black
E016	EEC	Standard EEC box, molded-in transparent Ultem material
E019	AEC	Backshell adapter

TE DEUTSCH Housing Modifications

Mod #	Series	Description
EE		
EEO1	DT	Shrink boot adapter, black
EEO3	DTM	Shrink boot adapter, black
EEO4	DTM	High temp, black
EEO5	DT	High temp, enhanced seal retention (PO12) on plug, end cap, black
EF		
EFO1	DT	Fluorosilicone front seals, end cap
EFO2	DT	Fluorosilicone front seals, latch guard end cap
EK		
EKO2	DT	Plug, 18 cavity DT with 18 size 16 contacts, enhanced seal retention (PO12), end cap, "A" key is gray, "B" key is black, "C" key is green, "D" key is brown
EP		
EPO4	DT	End cap (same as E003 mod)
EPO5	DT	Latch guard end cap
EPO6	DT	Plug with enhanced seal retention (PO12), end cap
EPO7	DT	Plug with enhanced seal retention (PO12), black
EPO8	DT	Plug with enhanced seal retention (PO12), end cap, black
EPO9	DT	Plug with enhanced seal retention (PO12), latch guard end cap, black
EP10	DT, DTM	120 ohm terminating resistor (J1939), black
EP11	DT	Plug with enhanced seal retention (PO12), shrink boot adapter, black
EP12	DT	Bussed receptacle, 4 and 6 way only, 1 buss, black, gold plated pins
EP13	DT	Bussed receptacle, 4 and 6 way only, 1 buss, black, nickel plated pins
EP14	DT	Bussed receptacle, 6 way, 2 busses, black, nickel plated pins
EP20	DT	Plug with enhanced seal retention (PO12), shrink boot adapter
F		
F001	HDN	Inserts within connector made of Ultem
G		
G001	DRC	Gold plated pins
G002	DRC	Outside rows of pins are gold plated and rest are tin plated
G003	DT13/15	Gold plated pins
G004	DRC	Interface side pins are nickel plated, PCB side pins are tin plated
G005	DRCP	Tin plated signal pins, tin plated power pins
GC		
GC03	DRCP	Gold plated signal pins, depopulated power pins
GC05	DRCP	Tin plated signal pins, depopulated power pins
GR		
GR01	DTM13 (EEC headers)	Snap-in DTM PCB mounted header for DTM EEC enclosure, 12 and 24 pins, gold plated pins
H		
H001	HD30	Plated with yellow chromate conversion



TE DEUTSCH Housing Modifications

Mod #	Series	Description
HL		
HLO1	HD30	Dust cap plated with yellow chromate conversion, sash chain with eyelet for #10 screw
HLO2	HD30	Adapter for cable clamp (-072) plated with yellow chromate conversion
J		
J001	HD30	Reverse cavity marking identification on grommet
J059	HD30	Reverse cavity marking identification on grommet, cable clamp (-059)
K		
K001	AEC	Molded-in shell marking, remove blue stripe, end cap
K003	DT16	Plug, 15 cavity DT with two size 12 contacts and 13 size 16 contacts, enhanced seal retention (PO12), end cap, black
K004	DT16	Plug, 18 cavity DT with 18 size 16 contacts, enhanced seal retention (PO12), end cap, black
KP		
KP01	DT16	Plug, six cavity DT with six size 16 contacts, enhanced seal retention (PO12), end cap, green
L		
L001	HD30	Same as -059 (cable clamp)
L003	HD30	Cable clamp adapter (-072)
L005	HD30	Cable clamp adapter (-072) without drain holes
L006	HD30	-059 modification using adapter without drain holes
L009	DTHD	Sealed flange, inside mount
L011	DRC	Wire router
L012	DT, DTP, DTM	Welded flange
L013	DTHD	Sealed flange, outside mount
L015	HDP20	Threaded adapter for backshell strain relief
L017	HDP20	Ring adapter for backshell strain relief
L018	DRB	Wire router
L020	HD30, HD50	Removes #10 eyelet from the dust cap chain
L024	HDP20	Wide threaded adapter for backshell strain relief
L072	HD30	Adapter ring
LE		
LE01	DT	Sealed flange, inside mount, gasket, end cap
LE03	DT	Sealed flange, outside mount, o-ring sold separately, end cap, NOTE: DTO4-08PA-LE03 comes with shrink boot adapter and o-ring on flange
LE05	DT	Sealed flange, inside mount, gasket, end cap
LE06	DT	Sealed flange, inside mount, reduced diameter seals (E seal), end cap
LE07	DT, DTP	Welded flange, end cap
LE08	DT	Welded flange, shrink boot adapter, gray
LE09	DT	Sealed flange, o-ring, end cap, black
LE10	DT	Sealed flange, inside mount, gasket, end cap, black
LE11	DT	Welded flange, end cap, black
LE12	DT	Welded flange, shrink boot adapter, black
LE13	DT	Special adapter, round housing, end cap
LE14	DT	Welded flange, black
LE17	DT	Receptacle with extended shell and enhanced keys (BO16), sealed flange, gasket sold separately, end cap, black
LE21	DT	Receptacle with extended shell and enhanced keys (BO16), sealed flange, reduced diameter seals (E seal), end cap, one piece connector design, threaded stainless steel flange inserts

TE DEUTSCH Housing Modifications

Mod # Series Description

N

N005	HD10	Receptacle with molded-in PCB pins, modified shell
N006	DT	Receptacle with 90° molded-in contacts
N012	DRC	Receptacle, one piece connector design

P

P005	AEC	Special oversized seal on AEC Series plugs and dust caps
P006	DT, DTM	120 ohm terminating resistor (J1939)
P007	DT, DTM	Receptacle "Y" connector (J1939)
P012	DT	Plug with enhanced seal retention, 2-6 way are black, 8 and 12 way "A" key is gray, "B" key is black, "C" key is green, "D" key is brown
P013	DRC	Plug with bonded front seal, silicone adhesive
P016	DT	Bussed receptacle, 12 way, gold plated contacts
P017	DRC	Stainless steel retention clip for jackscrew
P018	DTP	Receptacle with 12 AWG wires attached
P019	DRC	Zinc chromate retention clip for jackscrew
P021	DT	Bussed receptacle, 6, 8, and 12 way, one buss, nickel plated pins
P026	DT	Bussed receptacle, 8 and 12 way, two busses, nickel plated pins
P027	DT	Bussed receptacle, 12 way, two busses, gold plated pins
P028	DT	Bussed receptacle, 8 way, two busses, nickel plated pins
P030	DT	Bussed receptacle, 12 way, four busses, nickel plated pins
P031	DT	Bussed receptacle, 12 way, four busses, gold plated pins
P032	DT	Integrated shrink boot adapter (J1939), black
P060	DT	Bussed receptacle, 2 way, one buss, nickel plated pins
P064	HD30, HDP20	24-91 arrangement without internal jumper
P075	DT	Bussed receptacle, 12 way, three busses, nickel plated pins
P080	HD10	J1939 Type II, green

PE

PE01	DT	Latch guard, 120 ohm terminating resistor (J1939)
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PP

PP01	DT	Plug with enhanced seal retention (P012), 120 ohm terminating resistor (J1939), end cap, black
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R

R004	DTM13	Custom enclosure header, 90° pins
R005	DTM13	Custom flange, 90° pins
R008	DTM13 (EEC headers)	Snap-in DTM PCB mounted header for DTM EEC enclosure, 12 and 24 pins
R015	DT13 (EEC headers)	Snap-in DT PCB mounted header for DT EEC enclosure, 12, 24, 36, and 48 pins

RT

RT01	DT	Receptacle with MUR 460 diode
RT02	DT	Receptacle with 1N5625GP diode
RT03	DT	Receptacle with MUR 460 diode, 4 way available
RT06	DT	Receptacle with Phillips T.V.S diode 1.5KE130CA, green
RT25	DT	Receptacle with 27k ohm resistor, black

#'s

O59	HD30	Addition of threaded adapter and cable clamp assembly
O72	HD30	Addition of threaded adapter
1E	HD30	Removes rivet and chain from protective dust cap



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General Information

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