

DEUTSCH PCB ENCLOSURES



DEUTSCH | DEUTSCH HD, DEUTSCH HD30

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DEUTSCH PCB enclosures are complete off-the-shelf enclosure and header solutions.



[Connectors >](#) [PCB Connectors >](#) [PCB Connector Headers & Receptacles](#)

DEUTSCH printed circuit board enclosures are available with through hole mounting and optional venting. DEUTSCH DT and DTM snap-in headers are available in 12, 24, 36, or 48 configurations.



Connector System: **Wire-to-Board**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Connector Mounting Type: **Board Mount, Fixing Screw**

Operating Temperature Range: **-55 - 125 °C**

DEUTSCH DT Enclosures and Headers

- Headers accommodate DEUTSCH DT connector interfaces
- 12, 24, 36, or 48 cavity configurations available
- Accepts contact size 16 (13 amps)
- 14-20 AWG (2.50-0.50 mm²)
- Through hole mounting flange on each side of enclosure
- Headers feature 90° pins
- Radial flange seal provides environmental sealing
- Optional venting

DEUTSCH DTM Enclosures and Headers

- Headers accommodate DEUTSCH DTM connector interfaces
- 12 or 24 cavity configurations available
- Accepts contact size 20 (7.5 amps)
- 14-22 AWG (2.50-0.35 mm²)
- Through hole mounting flange on each side of enclosure

- Headers feature 90° pins
- Radial flange seal provides environmental sealing
- Optional venting
- Transparent PEI enclosures available

Learn more about DEUTSCH DT and DTM

[VIEW ALL DEUTSCH DT PRODUCTS](#)

DEUTSCH DT connectors offer field proven reliability and rugged quality. The DT design strengths include optional flange mounting, multi-pin arrangements, and design flexibility.

[VIEW ALL DEUTSCH DTM PRODUCTS](#)

DEUTSCH DTM connectors fill the need for lower amperage, multi-pin connectors. They are environmentally sealed and stand up to harsh environments.

Features

Product Type Features

Hybrid Header	No
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Sections	1, 2
Number of Signal Positions	12, 24
Number of Positions	12, 24
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Voltage Rating (Max) (VDC)	250
Voltage Rating (Max) (VAC)	250
Nominal Voltage Architecture (V)	12, 24
Operating Voltage (VDC)	250

Operating Voltage (VAC)	250
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Body Features

Primary Product Color	Black, Clear
Connector Code	A, AB, AC, CD

Contact Features

Contact Type	Pin
Mating Pin Diameter (mm)	1.02
Mating Pin Diameter (in)	.04
Contact Mating Area Plating Material	Nickel (Ni)
Contact Current Rating (Max) (A)	7.5

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mounting Holes	With
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Screw
Mating Retention Type	Locking Interface
Connector Mounting Type	Board Mount, Fixing Screw

Housing Features

Centerline (Pitch) (mm)	4.19
Centerline (Pitch) (in)	.165

Dimensions

Connector Length (mm)	114, 180.48, 36.91
Connector Length (in)	1.453, 4.488, 7.105
Connector Width (mm)	60.96, 101, 118, 160
Connector Width (in)	2.4, 3.976, 4.646, 6.299
PCB Thickness (Recommended) (mm)	.78 - 1.57
PCB Thickness (Recommended) (in)	.031 - .062

Profile Height from PCB (mm)	25.71
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Profile Height from PCB (in)	1.012
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Usage Conditions

Operating Temperature (Max) (°C)	125
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Operating Temperature (Max) (°F)	257
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Operating Temperature Range (°C)	-55 - 125
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Operating Temperature Range (°F)	-67 - 257
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Industry Standards

Degree of Protection	IP67, IP6K9K, Not Tested
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UL Flammability Rating	20mm Flame Test per Standard UL-94, UL 94V-0
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Packaging Features

Packaging Type	Box
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Packaging Quantity	12, 50, 105
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Other

Interface Number	DTM04-12P, EEC-325X4A/B, EEC-5X650A/B
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Reference Number

TE Internal Number	CAT-D485-EN17
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 3)



ENCLOSURE, 5 X 6.50, BLK, VENT



ENCLOSURE, 5 X 6.50, BLK, NO VENT



ENCLOSURE, 3.25 X 4, CLR, NO VENT



HDR, 24P, BLK, RA EEC, NI /CU, AB

TE Part #	EEC-5X650A	EEC-5X650B	EEC-325X4B-E016	DTM1312PA12PBR008
Number of Positions				24
Centerline (Pitch)				4.19 mm
PCB Mount Orientation				Right Angle
Number of Rows				2
Primary Product Color	Black	Black	Clear	Black
Mating Pin Diameter				1.02 mm
Termination Method to Printed Circuit Board				Through Hole - Solder
Contact Mating Area Plating Material				Nickel (Ni)
Contact Current Rating (Max)				7.5 A
Circuit Application				Signal
Connector Code				AB
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	DEUTSCH	DEUTSCH	DEUTSCH	DEUTSCH
Series	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

Products (2 of 3)



HDR, 24P, BLK, RA EEC, NI /CU, CD



ENCLOSURE, 3.25 X 4, BLK, VENT



HDR, 12P, BLK, RA EEC, NI /CU, A



ENCLOSURE, 3.25 X 4, BLK, NO VENT

TE Part #	DTM1312PC12PDR008	EEC-325X4A	DTM13-12PA-R008	EEC-325X4B
Number of Positions	24		12	
Centerline (Pitch)	4.19 mm		4.19 mm	
PCB Mount Orientation	Right Angle		Right Angle	
Number of Rows	2		2	
Primary Product Color	Black	Black	Black	Black
Mating Pin Diameter	1.02 mm		1.02 mm	
Termination Method to Printed Circuit Board	Through Hole - Solder		Through Hole - Solder	
Contact Mating Area Plating Material	Nickel (Ni)		Nickel (Ni)	
Contact Current Rating (Max)	7.5 A		7.5 A	
Circuit Application	Signal		Signal	
Connector Code	CD		A	
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	DEUTSCH	DEUTSCH	DEUTSCH	DEUTSCH
Series	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM

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Products (3 of 3)



HDR, 24P, BLK, RA EEC, NI/CU, AC

ENCLOSURE, 3.25 X 4, CLR, VENT

TE Part #	DTM1312PA12PCR008	EEC-325X4A-E016
Number of Positions	24	
Centerline (Pitch)	4.19 mm	
PCB Mount Orientation	Right Angle	
Number of Rows	2	
Primary Product Color	Black	Clear
Mating Pin Diameter	1.02 mm	
Termination Method to Printed Circuit Board	Through Hole - Solder	
Contact Mating Area Plating Material	Nickel (Ni)	
Contact Current Rating (Max)	7.5 A	
Circuit Application	Signal	
Connector Code	AC	
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant
Product Families	DEUTSCH	DEUTSCH
Series	DEUTSCH DT,DEUTSCH DTM	DEUTSCH DT,DEUTSCH DTM

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Related Materials

Flipbook Catalog

Industrial & Commercial Transportation - Terminals and Connectors (English)

TE's Industrial & Commercial Transportation Terminals and Connectors flipbook catalog features AMPSEAL, AMPSEAL 16, Circular DIN, DEUTSCH, HDSCS, LEAVYSEAL, and Superseal 1.0 connectors, contacts, tools, and accessories.

English

Connector Selector

Connector Selector (English)

The Connector Selector is a reference guide to TE Connectivity's (TE) Industrial & Commercial Transportation electrical connectors.

English

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (59)



Automotive Housings(737)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)

Also in the Series | DEUTSCH HD30



Automotive Connector Caps & Covers (15)



Automotive Housings(353)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(10)



Other Automotive Connector
Accessories(6)

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