



DEUTSCH | DEUTSCH 983 Series

TE Internal #: ZPF00000000007552

Standard Circular Connectors, Wire-to-Panel, 12 Position, Sealable, Wire & Cable, Power, Signal & High Speed Data, Panel Mount, DEUTSCH 983 Series

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**

Number of Positions: **12**

Sealable: **Yes**

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

Contact Current Rating (Max): **7.5 A**

Features

Product Type Features

Product Type	Connector
Accessory Color	Natural
Prewired	No
Assembly Type	Electrical Connector
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Square Flange Receptacle

Configuration Features

Factory Installed Backshell	Without
Keying	Keyway Polarization N
Number of Positions	12
Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	No

Body Features

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Shell Plating Material	Passivated Stainless Steel Firewall
Shell Base Material	Stainless Steel
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

Contact Features

Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	12 – 12
Circular Connector Contact Type	Less Socket

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Retention Type	Threaded
Mating Alignment	With
Panel Mount Feature	With
Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	12
Alignment Keyed	Clocking

Dimensions

Wire Size	.2 – .52 mm ²
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Usage Conditions

Operating Temperature Range	-65 – 260 °C[-85 – 500 °F]
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Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	Yes

Industry Standards

Approved Standards	BACC63, EN2997, ESC10
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

<p>TE Part # ZPF000000000001203 097-0016-20</p>	<p>TE Part # ZPF000000000000219 006-0902-20</p>	<p>TE Part # ZPF0000000000003341 66241-12 A</p>
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Also in the Series | **DEUTSCH 983 Series**



Standard Circular Connectors(3578)

Customers Also Bought



TE Part #ZPF000000000008805
983-6SE 12-12 S6 L



TE Part #ZPF000000000007545
983-0SE 12-12 S7 L



TE Part #ZPF000000000097806
983-15 KV 4-10-05 PN-L



TE Part #ZPF000000000007966
983-15 KV 7-22-19 SN-L



TE Part #ZPF200000000008792
983-6SE 12-03 SN-L



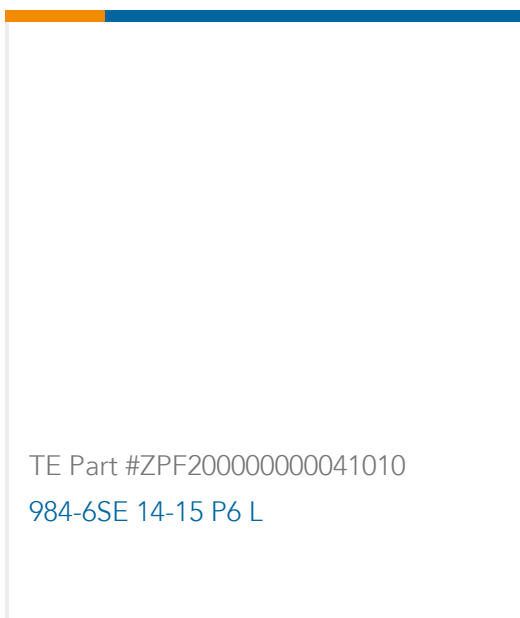
TE Part #ZPF000000000008859
983-6SE 14-15 PN-L



TE Part #ZPF000000000009416
992 B6 KA 10SL 4 SN 2 C07TRA



TE Part #ZPF000000000009321
984-6SE 24-61 PN-L



TE Part #ZPF2000000000041010
984-6SE 14-15 P6 L



TE Part #ZPF2000000000041023
984-6SE 14-15 S8 L

Documents

Product Drawings

[983-0SE 12-12 SN-L](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_ZPF000000000007552_1.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007552_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007552_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DEUTSCH 983 Series](#)

English