DG1230R10-12S1 [V001] ✔ ACTIVE

DEUTSCH

TE Internal #: YDG1230R1012S1V001

TE Internal Description: RECP ASSY

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Connectors > Circular Connectors > Standard Circular Connectors



Product Type: **Connector**

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

Number of Positions: **12**

Sealable: **Yes**

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

Features

Product Type Features

Assembly Type	Electrical Connector
Product Type	Connector
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Shielded	Yes
Connector Style	Receptacle
Shell Type	Square Flange Receptacle

Configuration Features

Keying & Polarized Position Locations	1
Factory Installed Backshell	No
Keying	Key Polarization 1
Number of Positions	12
Number of Power Positions	12
Number of Signal Positions	12
Preloaded	No

Electrical Characteristics

Operating Voltage	600 VAC
Voltage	1800 Vrms

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	Yes
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Entry Style	Rear Insertion
Fluid Type	Coolanol 25, M2-V, MIL-DTL-5624 (JP-5), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I
Feedthrough Type	No
Shell Plating Material	Tin
Shell Material	Composite
Insulation Material	Hard Dielectric/Silicone
Hermetically Sealed	No

Contact Features

Contact Quantity (Size 22D)	12
Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	C12 (10-12)
Contact Type	Pin

Mechanical Attachment

Mating Retention Type	Bayonet
Flange	Square Flange
Panel Mount Feature	With
Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount
Polarization Code	1
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	10
Alignment Keyed	Clocking

Dimensions

Panel Thickness	7.94 mm[.3125 in]
Accepts Wire Insulation Diameter Range	.76 – 1.37 mm[.03 – .054 in]
Assembly Length	33.45 mm[1.317 in]
Wire Size	.2 – .52 mm²

Usage Conditions

Fluid Resistance	Yes
Operating Temperature Range	-65 – 175 °C[-85 – 347 °F]

Operation/Application

Durability Rating	1500 Cycles
Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	1

Other

Position Locations Omitted	All

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Pb (1.2% in Contact Lead-Copper Alloy)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Yet Reviewed for halogen content
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



TE Model / Part # CJ2087-000
HL2010E-KIT-120V

TE Model / Part # M15570-20
TOOL INS/REM

Customers Also Bought

TE Model / Part #007399-000
322W214-25-0



TE Model / Part #ZPF000000000001224
097-0104-16



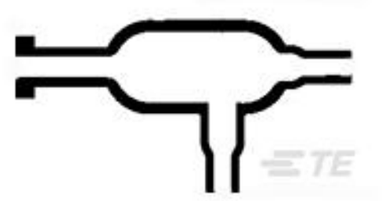
TE Model / Part #ZPF000000000001259
097-0266-20



TE Model / Part #ZPF000000000001263
097-0267-20



TE Model / Part #486635-000
222K152-25-G13-0



TE Model / Part #013996-000
322W205-25-0

TE Model / Part #358279-000
382C312-50-01-0



TE Model / Part #ZPF000000000017171
DTS 26 K 25-04 BA



TE Model / Part #ZPF100000000008726
983-6SE 08-03 SN-L



TE Model / Part #ZPF900000000008639
983-6S 18-08 PN-L-A1263

Documents

Product Drawings

RECP ASSY

English

Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS

English

Product Environmental Compliance

REACH Substance Communication Document

English