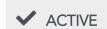
FDBA 50-20-16 SW-K-A246 ACTIVE



DEUTSCH

TE Internal #: ZPF000000000018365

Wire-to-Panel, Circular Connector Receptacle, 16 Position, Shell Size 20, Sealable, Wire & Cable, Power, Signal & High Speed Data,

Panel Mount

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: Wire-to-Panel

Connector Mounting Type: Panel Mount

Number of Positions: 16

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Features

Product Type Features

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

Configuration Features

| Number of Positions | 16 |
|----------------------------|----|
| Number of Power Positions | 0 |
| Number of Signal Positions | 16 |
| Contacts Preloaded | No |

Electrical Characteristics

| | 445 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | |
|-------------------|---|--|
| Operating Voltage | 115 VDC | |

Body Features

| Environmental Protection Type | Elastomer Sealed |
|-------------------------------|------------------|
| Primary Product Color | Natural |
| | |



| Shell Plating Material | Black Anodized |
|---|---------------------------------|
| Shell Base Material | Aluminum |
| Circular Connector Insulation Material Type | Thermoset |
| Hermetically Sealed | No |
| Contact Features | |
| Contact Current Rating (Max) | 13 A |
| Reverse Gender | No |
| Contact Layout Arrangement | 20 – 16 |
| Circular Connector Contact Type | Socket |
| Termination Features | |
| Termination Method to Wire & Cable | Crimp |
| Mechanical Attachment | |
| Panel Mount Feature Type | Square Flange |
| Connector Mounting Type | Panel Mount |
| Polarization Code | W |
| Housing Features | |
| Circular Connector Shell Size | 20 |
| Dimensions | |
| Wire Size | 16 – 20 AWG |
| Usage Conditions | |
| Operating Temperature Range | -65 – 200 °C[-85 – 392 °F] |
| Operation/Application | |
| Durability Rating | 500 Cycles |
| Circuit Application | Power, Signal & High Speed Data |
| | |

Product Compliance

Shielded

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 | |

No



Current ECHA Candidate List: JUNE 2025

(250)

Candidate List Declared Against: JAN 2025

(247)

SVHC > Threshold:

Pb (1.2% in alloy)

Dodecamethylcyclohexasiloxane (D6) (1%

in component)

Decamethylcyclopentasiloxane (D5) (1% in

component)

Octamethylcyclotetrasiloxane (D4) (1% in

component)

Free

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F < 900 ppm per
homogenous material. Also BFR/CFR/PVC

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

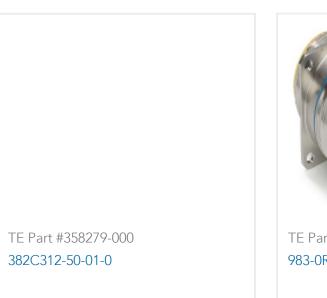


Customers Also Bought







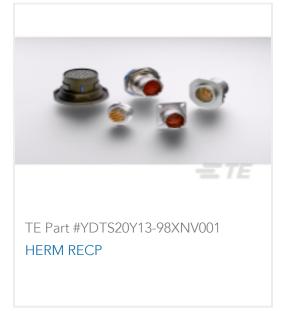












Documents

Product Drawings
FDBA 50-20-16 SW-K-A246

English

Datasheets & Catalog Pages
DEUTSCH FDBA-HDBA Series

English