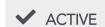
FDBA 50-20-41 PW-K-A246 ACTIVE



DEUTSCH

TE Internal #: ZPF000000000018408

Wire-to-Panel, Circular Connector Receptacle, 41 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: 41

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	41
Number of Power Positions	0
Number of Signal Positions	41
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)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	20 – 41
Circular Connector Contact Type	Pin
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	20 – 24 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)

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
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 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 50-20-41 PW-K-A246

English

Datasheets & Catalog Pages
DEUTSCH FDBA-HDBA Series

English