

# ACT24JB05PN [V001] ✓ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III Composite Connectors

TE Internal #: YACT24JB05PNV00100

DEUTSCH 38999 Series III Composite Connectors, Standard Circular Connectors, Cable-to-Panel, 5 Position, Sealable, Wire & Cable

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Panel**

Number of Positions: **5**

Sealable: **Yes**

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

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

## Features

### Product Type Features

Product Type	Connector
Assembly Type	Electrical Connector
Connector System	Cable-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Jam Nut Receptacle

### Configuration Features

Keying & Polarized Position Locations	N
Factory Installed Backshell	No
Keying	Keyway Polarization N
Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	No

### Electrical Characteristics

Voltage	1800 Vrms
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Operating Voltage	600 VAC
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### Body Features

Feedthrough Type	No
Environmental Protection Type	Elastomer Sealed
Entry Style	Rear Insertion
Peripheral Seal Material	Silicone
Environmental Protection	Yes
Weight	12 g[.0265 lb]
O-Ring Material	Silicone
Fluid Type	Coolanol 25, M2-V, MIL-DTL-5624 (JP-4,JP-5), MIL-DTL-83133 (JP-8), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I
Shell Plating Material	Cadmium, O.D.
Shell Base Material	Composite
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

### Contact Features

Contact Quantity (Size 20)	5
Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	B05
Circular Connector Contact Type	Pin

### Mechanical Attachment

Mating Retention Type	Triple Start Threaded
Panel Mount Feature	With
Panel Mount Feature Type	Jam Nut
Connector Mounting Type	Panel Mount
Polarization Code	N
Mating Alignment Type	Keyed
Mating Retention	With

### Housing Features

Circular Connector Shell Size	11
Alignment Keyed	Clocking



### Dimensions

Panel Thickness	1.58 – 3.2 mm [.062 – .126 in]
Accepts Wire Insulation Diameter Range	1.02 – 2.11 mm [.04 – .083 in]
Assembly Length	33 mm [1.3 in]
Wire Size	.2 – .52 mm <sup>2</sup>

### Usage Conditions

Fluid Resistance	Yes
Operating Temperature Range	-65 – 200 °C [-85 – 392 °F]

### Operation/Application

Durability Rating	500 Cycles
Circuit Application	Signal
Shielded	Yes

### Packaging Features

Packaging Quantity	1
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### Other

Position Locations Omitted	All
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUL 2021 (219)  Candidate List Declared Against: JAN 2021 (211)  SVHC &gt; Threshold:  Cd (3.45% in Plating)  Pb (1.2% in Contact Lead-Coper Alloy)  Decamethylcyclopentasiloxane (D5) (5% in Insert Subassembly)</p> <p><b>Article Safe Usage Statements:</b>  Use personal protective equipment as required. 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.</p>
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 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



TE Part # YACT26JB05SNV00100  
STRAIGHT PLUG

### Also in the Series | DEUTSCH 38999 Series III Composite Connectors



Standard Circular Connectors(19419)

### Customers Also Bought



TE Part #2102061-3  
Mezalok, Socket, 114 p, 12 mm, 50 Au, TL



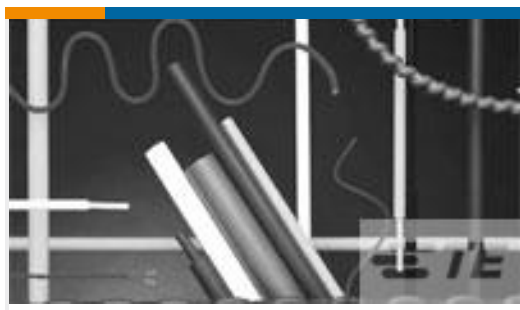
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RECP ASSY



TE Part #YDTS20W25-35ANV001  
RECP ASSY



TE Part #YDTS20W19-35ANV001  
RECP ASSY



TE Part #9009734002  
GPO-135-12.7//6.4-0-SP



TE Part #YACT20JJ35PAV00100  
SQUARE FLANGE RECEPTACLE



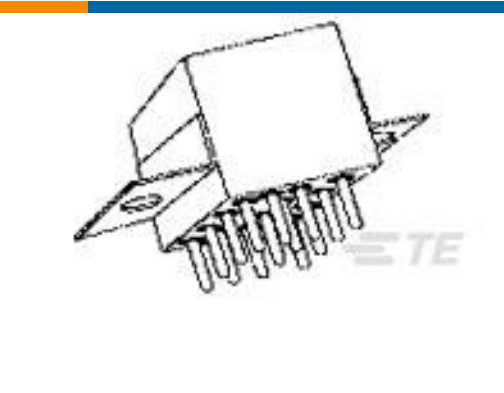
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SQUARE FLANGE RECEPTACLE



TE Part #YACT24JJ35PNV00100  
JAM NUT RECEPTACLE



TE Part #YDTS33W11RV0010000  
DUST COVER ASSEM



TE Part #7-1617760-9  
FCB-405-0619M=M83536/6-019M

## Documents

### Product Drawings

#### JAM NUT RECEPTACLE

English

### Datasheets & Catalog Pages

#### DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide

English

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