205840-3 ✔ ACTIVE

AMP | AMP CPC

TE Internal #: 205840-3

Circular Power Connectors, Housing, 250 VDC, Wire-to-Panel, 28 Position, Wire & Cable, Receptacle, Pin, Signal, Black, All Plastic, AMP CPC

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connectors, Series 2

Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Number of Positions: **28**

Sealable: **No**

All CPC Connectors, Series 2 (24)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Panel
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	28
Number of Power Positions	0
Number of Signal Positions	28

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Mechanical Attachment

Panel Mount Feature Type	Flange with Mounting Holes
Screw & Hole Thread Size	15/16-20 UNEF – 2A
Connector Mounting Type	Panel Mount
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	17

Dimensions

Accepts Wire Insulation Diameter Range	1.73 mm[.068 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Product Compliance

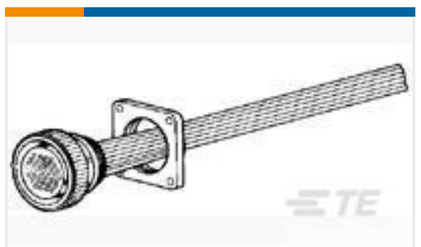
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable 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 # 207299-3
FLANGE PLUG MOUNT CPC

TE Part # 206125-1
CPC PLUG ASSEMBLY SIZ 17-28

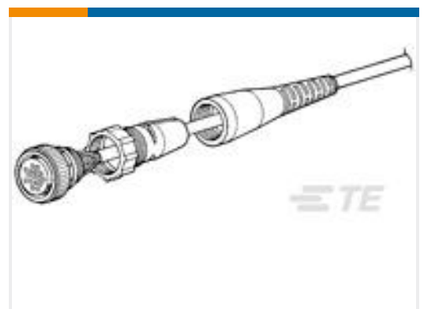
TE Part # CAT-AM71-C83998B
CPC Cable Clamps

TE Part # 213810-1
CPC COUPLING RING SIZE 17

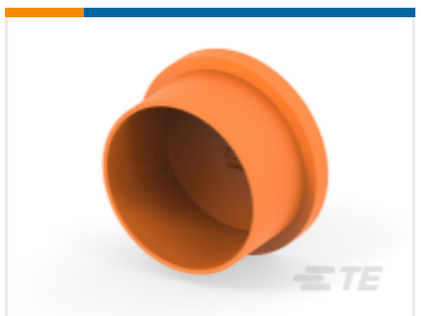
TE Part # 205839-3
CPC PLUG ASSEMBLY SIZE 17-28

TE Part # 207241-1
CABLE BOOT,SZ 17,CPC

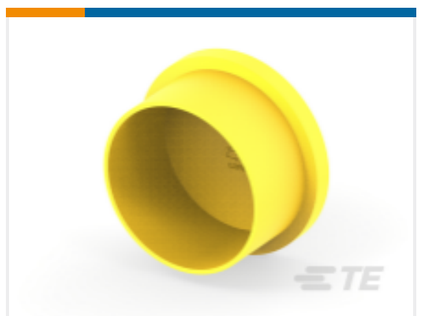
TE Part # 207387-1
CABLE GRIP,SZ 17,CPC



TE Part # 207387-2
CABLE GRIP,SZ 17,CPC



TE Part # 4-2407269-1
CAP, CPC, SIZE 17 RECP, ORANGE



TE Part # 4-2407269-4
CAP, CPC, SIZE 17 RECP, YELLOW

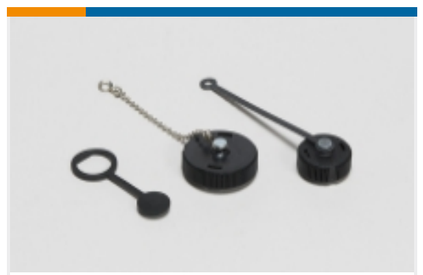
TE Part # 4-2407269-3
CAP, CPC, SIZE 17 RECP, RED

TE Part # 4-2407269-2
CAP, CPC, SIZE 17 RECP, BLACK

Also in the Series | AMP CPC

Circular Connector Adapters(7)

Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)

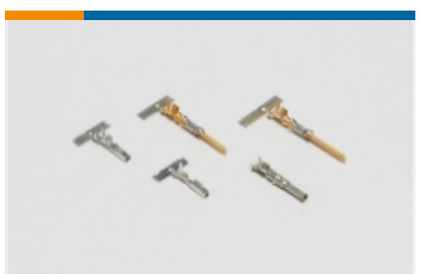
Circular Connector Hardware(3)

Circular Connector Keying Plugs(2)

Circular Connector Seals(36)

Circular Power Connectors(467)

Insertion & Extraction Tools(1)



Power Contacts(6)

Sealing Sleeves(2)

Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

CPC RECPT ASSEMBLY SIZE 17-28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_205840-3_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_205840-3_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_205840-3_P.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Connector, Circular Plastic

English

Product Specification

English

Product Specification

English

Product Environmental Compliance

MD_205840-3_04092014732_dmtec

English

MD_205840-3_04092014732_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English