

1-66103-8 ✓ ACTIVE

AMP | AMP Type III+

TE Internal #: 1-66103-8

Pin Contact, Tin, Size 16 Contact Size, 24 – 20 AWG Wire Size, .2 – .

6 mm<sup>2</sup> Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts > Pin and Socket Contacts, Type III, LP



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Tin**

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

[All Pin and Socket Contacts, Type III, LP \(53\)](#)

## Features

### Contact Features

Mating Pin Diameter	1.57 mm[.062 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Size	Size 16

Contact Base Material	Brass
Contact Current Rating (Max)	13 A

#### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

#### Mechanical Attachment

Wire Insulation Support	With
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#### Dimensions

Compatible Insulation Diameter Range	1.02 – 2.03 mm[.04 – .08 in]
Wire Size	.2 – .6 mm <sup>2</sup>

#### Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
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#### Operation/Application

Circuit Application	Power & Signal
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#### Packaging Features

Packaging Quantity	1000
Packaging Method	Carton, Loose Piece

#### Product Compliance

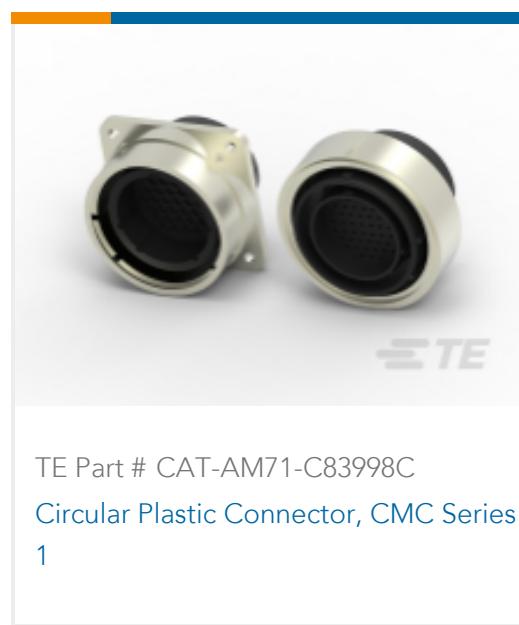
For compliance documentation, visit the product page on [TE.com](http://TE.com)>

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



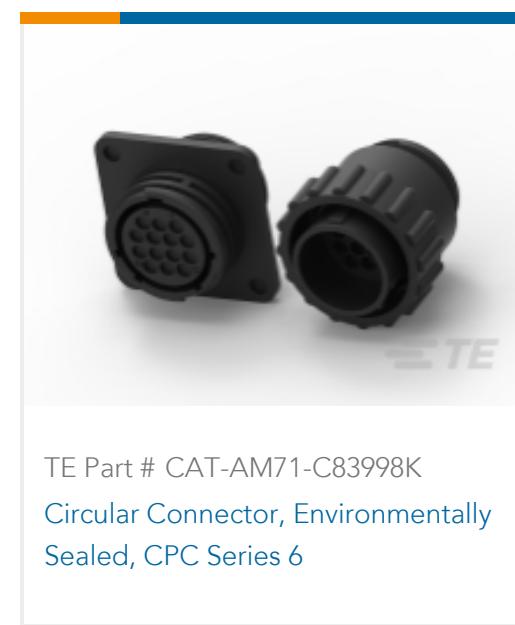
TE Part # CAT-AM71-C83998C  
Circular Plastic Connector, CMC Series 1



TE Part # CAT-AM71-C83998Y  
One-Piece Connector, Sealed, CPC Series 1



TE Part # CAT-AM71-C83998J  
Cable/Panel Mount Connector, CPC Series 1



TE Part # CAT-AM71-C83998K  
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part # 91515-1  
CCII TYPE III+ MNL PIN SKT 30-20 ASSY



TE Part # 58495-2  
PROCRIMPER DIE ASSY MULTIMATE



TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY



TE Part # 200893-2  
INSERTION TOOL CONT



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



TE Part # 539972-1  
EXTRACTION TOOL

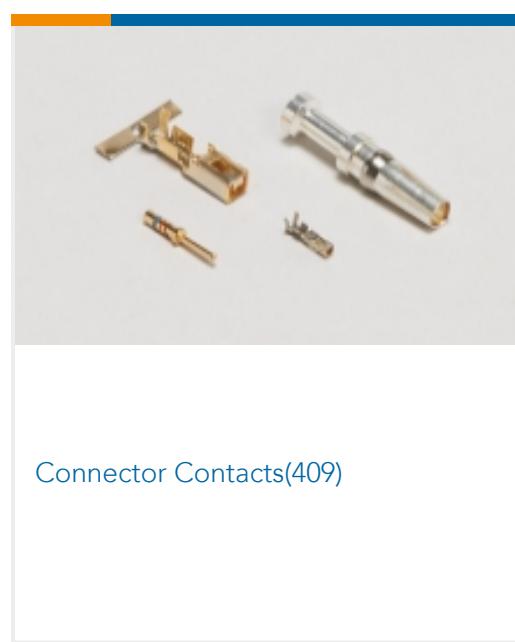


TE Part # 305183  
EXTRACT TOOL TYPE 2 20-16

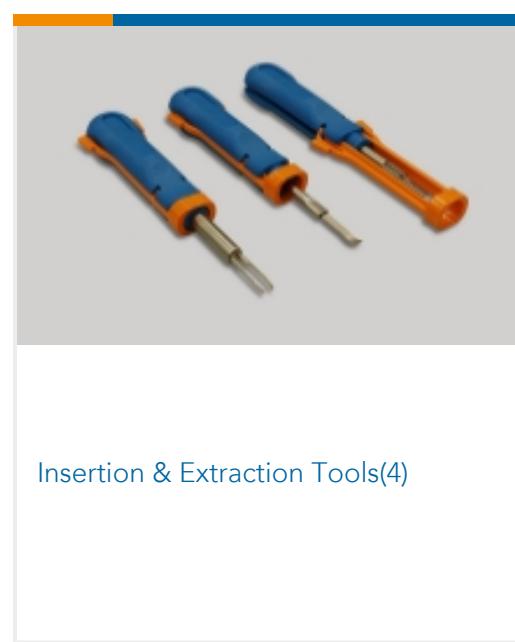


TE Part # 169400  
CERTI-LOK FRAME W/O DIES

## Also in the Series | AMP Type III+



Connector Contacts(409)



Insertion &amp; Extraction Tools(4)

## Customers Also Bought

TE Part #206305-1  
Circular Connector, Environmentally Sealed, CPC Series 6TE Part #182655-1  
17 SIZE CPC STD CLAMPTE Part #182649-1  
17-14 CPC PLUG RSTE Part #206070-8  
CPC Cable ClampsTE Part #1-66101-9  
III+ SKT,18-16,TIN ,LPTE Part #206036-1  
RECEPT, SZ 17-16 CPC

## Documents

### Product Drawings

[III+ PIN,24-20,TIN,LP](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-8\\_AL.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-8\\_AL.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-66103-8\\_AL.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

**Signal Contacts**

English

[M\\_SERIES\\_PIN\\_AND\\_SOCKET\\_CONNECTORS](#)

English

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**Product Specifications**

[Application Specification](#)

English