1-796406-2 - ACTIVE

AMP | AMP CPC TE Internal #: 1-796406-2 AMP CPC, Circular Power Connectors, Connector Assembly, Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Sealable, Receptacle

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: Connector Assembly

Operating Voltage: 250 VDC

Connector System: Wire-to-Board, Wire-to-Panel

Number of Positions: **37** 

Sealable: Yes

### Features

### Product Type Features

Connector Product Type

Connector System

Sealable

**TE** connectivity

Connector Assembly

Wire-to-Board, Wire-to-Panel

Yes

	07/29/2021 06:4
Panel Mount Feature Type	Flange with Threaded Inserts
Mechanical Attachment	
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Features	
Contact Type	Pin
Reverse Gender	No
Contact Features	
Operating Voltage	250 VAC
Electrical Characteristics	
Number of Signal Positions	37
Number of Power Positions	0
Number of Positions	37
Configuration Features	
Circular Connector Shell Type	All Plastic
Connector & Housing Type	Receptacle

**C** For support call+1 800 522 6752

AMP CPC, Circular Power Connectors, Connector Assembly, Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Sealable, Receptacle



Housing Color     Black       Housing Material     PA 6.6       Circular Connector Shell Size     23       Dimensions     23       Assembly Length     71.88 mm[2.83 in]       Usage Conditions     55 – 105 °C[-67 – 221 °F]       Fuid Resistance     Immersion       Operating Temperature Range     -55 – 105 °C[-67 – 221 °F]       Fuid Resistance     Immersion       Operation/Application     Signal       Shielded     No       Industry Standards     UL Planmability Rating       UL Flammability Rating     UL 94V-0       Packaging Features     Forcoluct Compliance       Forcoluct Compliance     Forcoluct Size Size on Texom>       EU ReHS Directive 2011/65/EU     Compliant with Exemptions       EU REHS Directive MIT Order No 32, 2016     Restricted Materials Above Threshold       FU REACH Regulation (FC) No. 1907/2006     Current FCHA Candidate List JAN 202		
Mating Retention     With       Panel Mount Feature     With       Mating Alignment Type     Keyed       Mating Retention Type     Threaded Coupling       Housing Color     Black       Housing Color     Black       Housing Material     PA 6.6       Circular Connector Shell Size     23       Dimensions     23       Assembly Length     71.88 mr[2.83 in]       Usage Conditions     Immersion       Operating Temperature Range     55 105 °C[ 67 221 °F]       Tuid Resistance     Immersion       Operating Temperature Range     55 105 °C[ 67 221 °F]       Tuid Resistance     Immersion       Operating Temperature Range     55 105 °C[ 67 221 °F]       Tuid Resistance     Immersion       Operating Temperature Range     Signal       Shielded     No       Industry Standards     UL Farumability Rating       UL Flarumability Rating     UL 91/40       Packaging Method     Tray       Packaging Quantity     8       Product Compliance     Everoplance documentation, wat the product page on TEcono       EU ReHS Directive 2011/65/EU     Compliant with Exemptions       CUT IV Directive 2011/65/EU     Compliant with Exemptions       CUT IV Directive 2000/53/TC     Compliant with Exemptions       Ch	Connector Mounting Type	Panel Mount
Panel Mount FeatureWithMating Alignment TypeKeyedMating Retention TypeThreaded CouplingHousing ColorBlackHousing ColorBlackHousing MaterialPA 6.6Circular Connector Shell Size23Dimensions71.88 mm[2.83 in]Usage Conditions1.88 mm[2.83 in]Usage Conditions1.98 mm[2.83 in]Operating Temperature Range-55 – 105 °C[-67 – 221 °F]Fuid ResistanceImmensionOperation/ApplicationSignalCircular ApplicationSignalSheldedNoInternational StateVertex StateUt Thermability RatingUt 91/40Packaging Quantity8Product ComplianceSignalFor compliance documentation, whitthe product page on TEcoryCompliant with ExemptionsClirus Application Circular StateCompliant with ExemptionsClirus ApplicationTrayPackaging Quantity8Product ComplianceCompliant with ExemptionsClirus Application StateCompliant with ExemptionsClirus Ratis 2 Directive 2011/65/EUCompliant with ExemptionsClirus Ratis 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECI Na candidate List: JAN 2027 (211) Condidate List: JAN 2027 (211)	Mating Alignment	With
Mating Alignment Type         Keyed           Mating Retention Type         Threaded Coupling           Housing Color         Black           Housing Color         Black           Housing Material         PA 6.6           Circular Connector Sholl Size         23           Dimensions         71.88 mm[2.83 in]           Usage Conditions         55.105 °C[ 67 - 221 °F]           Operating Temperature Range         55.105 °C[ 67 - 221 °F]           Fluid Resistance         Immersion           Operating/Application         Signal           Circuit Application         Signal           Shielded         No           Packaging Features         Version           Packaging Features         Version           Packaging Quantity         8           Packaging Quantity         Compliant with Exemptions           EU RoHS Directive 2000/53/EC         Compliant with Exemptions           EU ROHS Directive MIII Order No 32, 2016         Restricted Materials Above Threshold	Mating Retention	With
Nating Retention TypeThreaded CouplingHousing ColorBlackHousing ColorBlackHousing MaterialPA 6.6Circular Connector Shell Size23DimensionsTil 88 mm[2.63 in]Usage Conditions55 - 105 °C[-67 - 221 °T]Fluid ResistanceImmensionOperating Temperature Range-55 - 105 °C[-67 - 221 °T]Fluid ResistanceImmensionOperating Temperature Range-55 - 105 °C[-67 - 221 °T]Fluid ResistanceSignalOperation/ApplicationSignalCircuit ApplicationSignalSheldedNoIndustry StandardsUL 94V 0UL Flammability RatingUL 94V 0Packaging MethodTrayPackaging Quantity8Packaging QuantityCompliant with ExemptionsEU ROHS Directive 2011/65/EUCompliant with ExemptionsEU ROHS Directive 2000/SJ/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Current ECHA Candidate List. JAN 202 (211) Candidate List Declared Against: JAN 202 (21	Panel Mount Feature	With
Housing Color Housing Material Housing Hous	Mating Alignment Type	Keyed
Housing ColorBlackHousing MaterialPA 6.6Circular Connector Shell Size23Dimensions71.88 mm[2.83 in]Assembly Length71.88 mm[2.83 in]Usage Conditions55 – 105 °C[-67 – 221 °L]Poperating Temperature Range-55 – 105 °C[-67 – 221 °L]Fluid ResistanceImmensionOperation/ApplicationSignalCircult ApplicationSignalShieldedNoNoNoIndustry StandardsUL 94V-0UL Flammability RatingUL 94V-0Packaging MethodTrayPackaging Quantity8Ev ComplianceCompliant with ExemptionsEU ROHS Directive 2011/65/EUCompliant with ExemptionsEU ROHS Directive MILF Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 202 2(211) Candidate List Declared Against: JAN 202	Mating Retention Type	Threaded Coupling
Housing MaterialPA 6.6Circular Connector Shell Size23Dimensions3Assembly Length71.88 mm[2.83 in]Usage Conditions55 – 105 °C[-67 – 221 °F]Fluid ResistanceImmersionOperation/Application55 – 105 °C[-67 – 221 °F]Fluid ResistanceImmersionOperation/ApplicationSignalCircuit ApplicationSignalShieldedNoIndustry StandardsUL 94V 0UL Flarimability RatingUL 94V 0Packaging MethodTrayPackaging Quantity8For compliance documentation, with the product page on TEcomologyCompliant with ExemptionsFU FLY Directive 2010/53/FCCompliant with ExemptionsFU FLY Dire	Housing Features	
Circular Connector Shell Size23Dimensions3Assembly Length71.88 mm[2.83 in]Usage Conditions755 – 105 °C[-67 – 221 °F]Uuid ResistanceImmersionOperation Temperature Range-55 – 105 °C[-67 – 221 °F]Tuid ResistanceImmersionOperation/ApplicationSignalCircuit ApplicationSignalShieldedNoIndustry StandardsUL 944-0Packaging FeaturesPackaging MethodPackaging Quantity8Poduct Compliance For compliance documentation, teit the product page on TExon>FU RoHS Directive 2011/65/FUCompliant with ExemptionsEU LUV Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2022' (211) Candidate List Declared Against: JAN 2021' (211)	Housing Color	Black
Dimensions       71.88 mm[2.83 in]         Assembly Length       71.88 mm[2.83 in]         Usage Conditions       55 - 105 °C[ 67 - 221 °F]         Operating Temperature Range       55 - 105 °C[ 67 - 221 °F]         Fluid Resistance       Immension         Operation/Application       Immension         Operation/Application       Signal         Circuit Application       Signal         Shielded       No         Industry Standards       V         VL Flammability Rating       UL 94V-0         Packaging Method       Tray         Packaging Quantity       8         Poduct Compliance       Compliant with Exemptions         For compliance documentation, wit the product page on TEcom>       Compliant with Exemptions         EU RO IS Directive 2011/65/EU       Compliant with Exemptions         EU EU V Directive 2000/53/EC       Compliant with Exemptions         EU REACH Regulation (EC) No. 1907/2006       Current ECHA Candidate List: JAN 202 (211)	Housing Material	PA 6.6
Assembly Length 71.88 mm[2.83 in] Usage Conditions Operating Temperature Range -55 - 105 °C[-67 - 221 °T] Fluid Resistance Immersion Operation/Application Circuit Application Circuit Application Circuit Application Circuit Application UL Flammability Rating UL 94V-0 Industry Standards UL Flammability Rating UL 94V-0 Packaging Method Tray Packaging Method Tray Packaging Quantity 8 Product Compliance For compliance decumentation, viet the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC Compliant with Exemptions China RoHS 2 Directive MIIT Order No 32, 2016 EU REACH Regulation (EC) No. 1907/2006 Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211)	Circular Connector Shell Size	23
Usage Conditions       -55 - 105 °C[-67 - 221 °F]         Fluid Resistance       Immersion         Operation/Application       Signal         Circuit Application       Signal         Shielded       No         Internationality Standards       UL Flammability Rating         UL Flammability Rating       UL 94V-0         Packaging Method       Tray         Packaging Quantity       8         Product Compliance       Singliant with Exemptions         EU RoHS Directive 2011/65/EU       Compliant with Exemptions         China RoHS 2 Directive MIIT Order No 32, 2016       Restricted Materials Above Threshold         EU REACH Regulation (EC) No. 1907/2006       Current ECHA Candidate List: JAN 2027 (211)	Dimensions	
Operating Temperature Range-55 – 105 °C[-67 – 221 °F]Fluid ResistanceImmersionOperation/ApplicationSignalCircuit ApplicationSignalShieldedNoIndustry StandardsUL 94V-0UL Flammability RatingUL 94V-0Packaging FeaturesTrayPackaging Quantity8For compliance documentation, visit the product page on TE.com>Compliant with ExemptionsEU RoHS Directive 2011/65/EUCompliant with ExemptionsEU RoHS Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU RACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List: Declared Against: JAN 2027 (211)	Assembly Length	71.88 mm[2.83 in]
Fluid ResistanceImmersionFluid ResistanceImmersionOperation/ApplicationSignalCircuit ApplicationSignalShieldedNoIndustry StandardsUL 94V-0UL Flammability RatingUL 94V-0Packaging FeaturesTrayPackaging Quantity8Product ComplianceCompliant with ExemptionsEU RoHS Directive 2011/65/EUCompliant with ExemptionsEU RoHS Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211) Candidate List Declared Agains	Usage Conditions	
Operation/ApplicationSignalCircuit ApplicationSignalShieldedNoIndustry StandardsUL 94V-0Packaging FeaturesVolumePackaging MethodTrayPackaging Quantity8Product ComplianceSignal with ExemptionsFor compliance documentation, visit the product page on TEcom>Compliant with ExemptionsEU RoHS Directive 2011/65/EUCompliant with ExemptionsFor Compliance documentation, visit the product page on TEcom>Compliant with ExemptionsEU RoHS Directive 2011/65/EUCompliant with ExemptionsEU RoHS Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU RACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211)	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Circuit ApplicationSignalCircuit ApplicationNoShieldedNoIndustry StandardsUL 94V-0UL Flammability RatingUL 94V-0Packaging FeaturesTrayPackaging Quantity8Poduct Compliance For compliance documentation, visit the product page on TE.com>EU ROHS Directive 2011/65/EUCompliant with ExemptionsEU ROHS Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211)	Fluid Resistance	Immersion
Shielded No   Industry Standards UL Plammability Rating   UL Flammability Rating UL 94V-0   Packaging Features Tray   Packaging Method Tray   Packaging Quantity 8   Product Compliance Substrate   For compliance documentation, visit the product page on TE.com> Compliant with Exemptions   EU RoHS Directive 2011/65/EU Compliant with Exemptions   EU RoHS 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 Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027	Operation/Application	
Industry Standards   UL Flammability Rating   UL Flammability Rating   Packaging Features   Packaging Method   Tray   Packaging Quantity   8   Product Compliance   For compliance documentation, visit the product page on TE.com>   EU ROHS Directive 2011/65/EU   Compliant with Exemptions   EU ROHS Directive 2011/65/EU   Compliant with Exemptions   China RoHS 2 Directive MIIT Order No 32, 2016   EU REACH Regulation (EC) No. 1907/2006   Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211) 	Circuit Application	Signal
UL Flammability RatingUL 94V-0Packaging FeaturesTrayPackaging MethodTrayPackaging Quantity8Product Compliance For compliance documentation, visit the product page on TE.com>Compliant with ExemptionsEU ROHS Directive 2011/65/EUCompliant with ExemptionsEU ROHS Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2	Shielded	No
Packaging Features         Packaging Method       Tray         Packaging Quantity       8         Product Compliance       S         For compliance documentation, visit the product page on TE.com>       Compliant with Exemptions         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       Current ECHA Candidate List: JAN 202* (211) Candidate List Declared Against: JAN 2	ndustry Standards	
Packaging MethodTrayPackaging Quantity8Product Compliance For compliance documentation, visit the product page on TE.com>EU RoHS Directive 2011/65/EUCompliant with ExemptionsEU LLV Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027	UL Flammability Rating	UL 94V-0
Packaging Quantity8Product Compliance For compliance documentation, visit the product page on TE.com>Compliant with ExemptionsEU RoHS Directive 2011/65/EUCompliant with ExemptionsEU ELV Directive 2000/53/ECCompliant with ExemptionsChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027 (211)	Packaging Features	
Product Compliance         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       Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2	Packaging Method	Tray
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       Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027	Packaging Quantity	8
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       Current ECHA Candidate List: JAN 2027 (211) Candidate List Declared Against: JAN 2027		
China RoHS 2 Directive MIIT Order No 32, 2016       Restricted Materials Above Threshold         EU REACH Regulation (EC) No. 1907/2006       Current ECHA Candidate List: JAN 2027 (211)         Candidate List Declared Against: JAN 2	EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU REACH Regulation (EC) No. 1907/2006 (211) Candidate List Declared Against: JAN 2027	EU ELV Directive 2000/53/EC	Compliant with Exemptions
(211) Candidate List Declared Against: JAN 2	China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
$( \geq 1 1 )$	EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211)

AMP CPC, Circular Power Connectors, Connector Assembly, Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Sealable, Receptacle



SVHC > Threshold:

Pb (3.7% in Component Part)

#### 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.

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Wave solder capable to 265°C

Halogen Content

#### Solder Process Capability

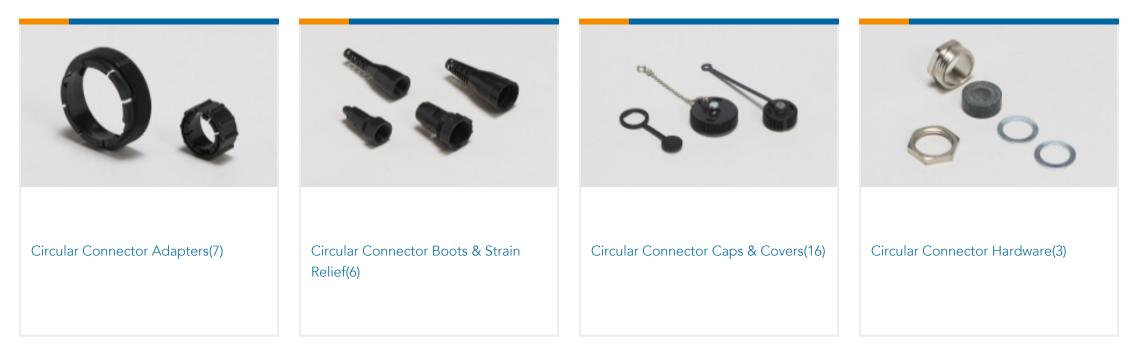
Product Compliance Disclaimer

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**



## Also in the Series AMP CPC



AMP CPC, Circular Power Connectors, Connector Assembly, Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Sealable, Receptacle

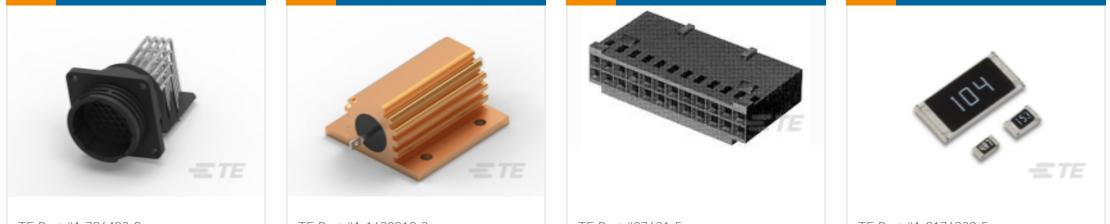




# Customers Also Bought

Power Contacts(5)

Sealing Sleeves(2)



Unscreened Circular Connector

Backshells & Clamps(56)

TE Part #1-796403-2 CPC SERIES 1 POSTED	TE Part #1-1630012-3 Power Resistors: Aluminum Housed, HSA	TE Part #87631-5 10 MODIV HSG COMP DR .100 POL	TE Part #1-2176339-5 CRGCQ 0603 150R 1%
		ETE	E TE
TE Part #1-1418362-1 LEAVYSEAL HEADERS	TE Part #130094 PIDG RING TONGUE TERMINALS	TE Part #1-206934-3 CPC RECPT ASSY SZ 23-37 W/ INS	TE Part #1-1879283-6 MELF SMA 2K74 0.1% 25PPM 0.25W

### Documents

Product Drawings CPC PSTD RCPT,23-37,R/A LF, inserts English CAD Files 3D PDF 3D Customer View Model ENG\_CVM\_CVM\_1-796406-2\_G.2d\_dxf.zip

**C** For support call+1 800 522 6752

AMP CPC, Circular Power Connectors, Connector Assembly, Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 37 Position, Sealable, Receptacle



English

Customer View Model ENG\_CVM\_CVM\_1-796406-2\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-796406-2\_G.3d\_stp.zip

English

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Product Specifications Application Specification

English

**Product Environmental Compliance** 

Product Compliance

English

**Product Compliance** 

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English