

66564-6 ✓ ACTIVE



AMP | Circular Plastic Connectors Series 1, AMP Type III+

TE Internal #: 66564-6

Pin Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Tin (Sn), Size 16,
Crimp, Brass, Power & Signal, -55 – 150 °C [-67 – 302 °F], AMP Type
III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

Features

Contact Features

Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Retention Within Housing	With
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel



Contact Underplating Material Thickness	1.27 µm[50 µin]
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Termination Features

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

Mechanical Attachment

Wire Insulation Support	With
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Dimensions

Wire Size	.2 – .6 mm ²
Compatible Insulation Diameter Range	1.52 – 3.05 mm[.06 – .12 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Contact Color Code	Yellow
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Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

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	Compliant with Exemptions
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: JAN 2025 (247)</p> <p>Candidate List Declared Against: JAN 2025 (247)</p> <p>SVHC > Threshold:</p> <p>Pb (13% in 4690948374)</p> <p>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.</p>
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 # 5-2151669-1
OCEAN-2.0-APPLICATOR-S-062F120O-RSM



TE Part # 7-2151669-7
OCEAN_2.0_SPARE_PART_KIT-062F120O



TE Part # 305183
EXTRACT TOOL TYPE 2 20-16



TE Part # 2151669-1
OCEAN-2.0-APPLICATOR-S-062F120O-RSM



TE Part # 91542-1
CCII TYPE III+ PIN SKT 24-22 ASSY



TE Part # 5-2151669-2
OCEAN-2.0-APPLICATOR-S-062F120O-RSA



TE Part # 539972-1
EXTRACTION TOOL



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 2151669-2
OCEAN-2.0-APPLICATOR-S-062F120OA-RSA



TE Part # 200893-2
INSERTION TOOL CONT

Also in the Series | **AMP Type III+**



Connector Contacts(260)



Insertion & Extraction Tools(4)



Power Contacts(260)

Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



TE Part #650137-000
D-436-0097



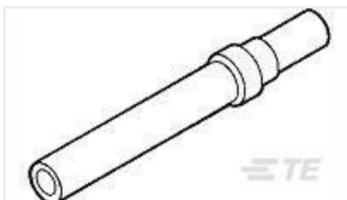
TE Part #GA10K3A1B
DISCRETE 10K OHMS, +/-0.2C FROM
0C TO 70C



TE Part #2-36152-1
PIDG 22-16 22-18 MIL R 6; TAPE



TE Part #66565-2
III+ SKT, 24-20, TIN-LEAD, LP



TE Part #206795-3
AMPLIMITE, SKT CONT ASY, SZ 20



TE Part #323011
TERMINAL, PIDG R SLTD 26-22 6



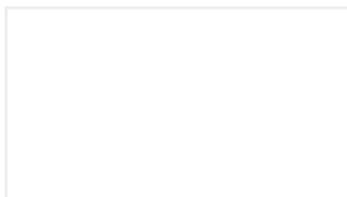
TE Part #323063
TERMINAL, SOLIS R HR 12-10 1/4



TE Part #796207-1
SLD CPC RCPT ASSY, 23-16, STD SX



TE Part #8-1437627-4
G12KA=BUTTON GUARD KNURL
ALUM



TE Part #GA5K3B1
DISC-DISCRETE



Documents

Product Drawings

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

English

CAD Files

Customer View Model

[ENG_CVM_CVM_66564-6_AC.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_66564-6_AC.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_66564-6_AC.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

Japanese

[Instruction Sheet \(U.S.\)](#)

English