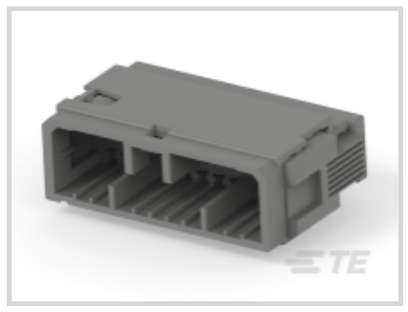
# 282994-4 ✔ ACTIVE

TE Internal #: 282994-4

12 V, 20 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 3.5 mm [.13 in] Centerline, Gray, Wire & Cable, Power

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

Connector & Housing Type: **Housing for Male Terminals**

Number of Positions: **20**

Sealable: **No**

Operating Temperature Range: **-30 – 105 °C [ -22 – 221 °F ]**

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | No |
| Primary Locking Feature | On the Terminal |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 20 |
| Number of Rows | 2 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 24 VDC |
| Nominal Voltage Architecture | 12 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180 ° |

| | |
|---|---|
| Primary Product Color | Gray |

## Contact Features

| | |
|---|---|
| Contact Size | 1.8mm |
| Contact Type | Tab |
| Mating Tab Width | 1.8 mm[.071 in] |
| Contact Current Rating (Max) | 14 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PA 66 GF30 |
| Centerline (Pitch) | 3.5 mm[.13 in] |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 5.9 mm[.23 in] |
| Product Width | 31.4 mm[1.24 in] |
| Product Length | 49.5 mm[1.95 in] |
| Connector Height | 19.5 mm[.77 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
| Operating Temperature (Max) | 105 °C[221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 700 |
| Packaging Method | Box |

## Other

| | |
|---|---|
| Serviceable | Yes |
| Connector Position Assurance Capable | No |

## 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 1745069-1
HOLDER FOR 070 NEW GEN. 6-21 POS JPT/MCP

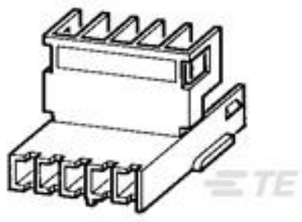


TE Part # 282991-4
20 P.070 NEW GENERATION ASSY C

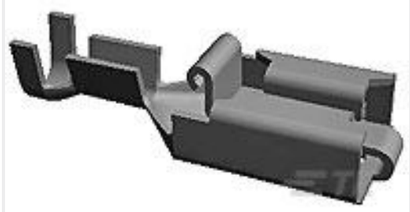
## Customers Also Bought



TE Part #NB11586001
ATUM-6/2-0-45MM



TE Part #142680-4
PL MK III 2 POS HOUSING YELLOW RAL 1016



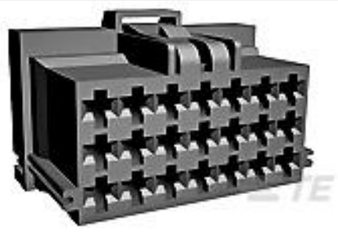
TE Part #1-160759-1
250 PL MKI REC. 20-15AWG PTBR



TE Part #CAT-M9194-CH8172
Multilock Connector Housing



TE Part #953119-1
20POS MQS REC



TE Part #7-968975-1
MCP2,8 GEH ASSY 21P



TE Part #8688933001
55A0121-16-2/4



TE Part #281888-1
POSITIVE LOCK HOUSING RECEPTACLE

## Documents

### Product Drawings

20 POS. .070 NEW GEN. ASSY - G

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_282994-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_282994-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_282994-4_B.3d_stp.zip

English

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

### Product Specifications

NEW GENERATION 070 MULTILOCK CONNECTORS

English

Product Specification

English

### Instruction Sheets

MULTILOCK 070 NEW GENERATION CONNECTORS

English

## Instruction Sheet (non U.S.)

English