



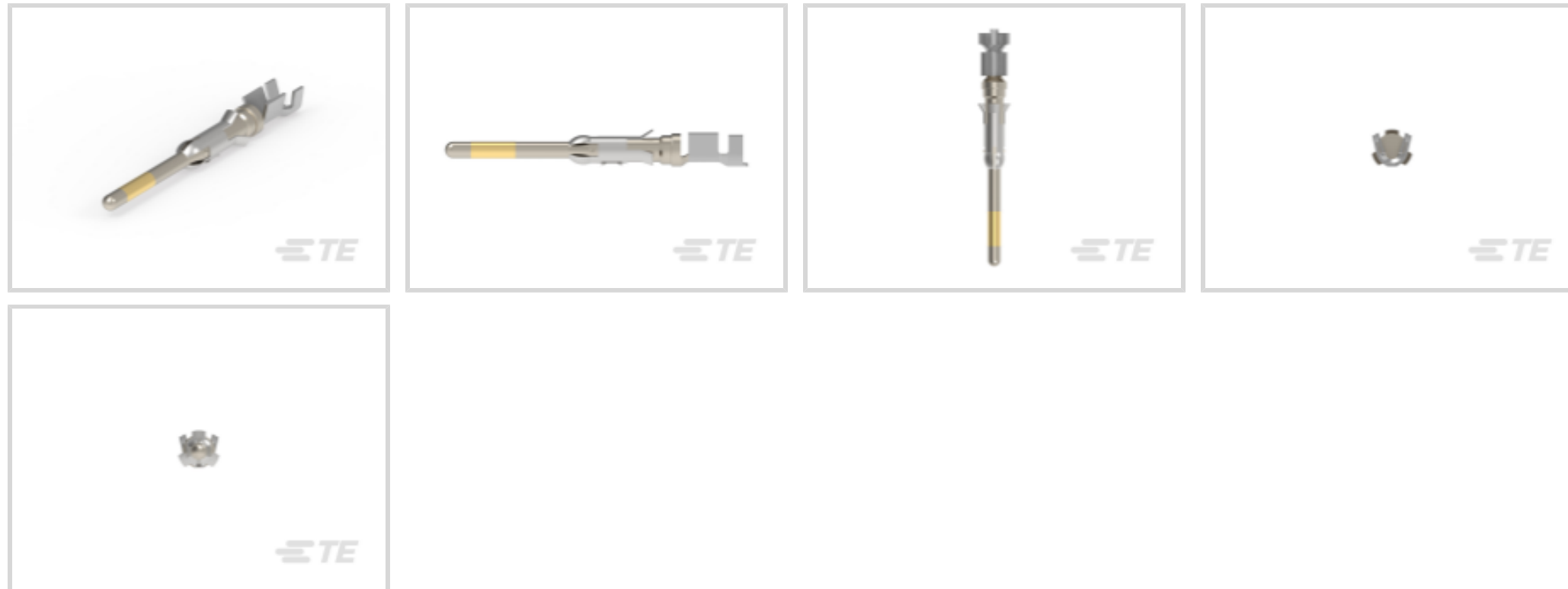
AMP | AMP Type III+

TE Internal #: 164161-4

Power Contacts, Contact, Precious Metal, 18 – 16 AWG Wire Size, .75 – 1.5 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power & Signal, Pin, AMP Type III+

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Precious Metal**

Wire Size: **.75 – 1.5 mm<sup>2</sup>**

Connector & Contact Terminates To: **Wire & Cable**

### Features

#### Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Power Contact Type                | Contact      |
| Connector & Contact Terminates To | Wire & Cable |

#### Electrical Characteristics

|              |      |
|--------------|------|
| Test Current | 13 A |
|--------------|------|

#### Contact Features

|   |                  |
|---|------------------|
| Contact Shape & Form                            | Round            |
| Contact Mating Area Plating Material            | Precious Metal   |
| Contact Current Rating (Max)                    | 13 A             |
| Contact Type                                    | Pin              |
| Contact Retention Within Housing                | With             |
| Mating Pin Diameter                             | 1.58 mm[.062 in] |
| Contact Base Material                           | Brass            |
| Contact Mating Area Plating Material Thickness  | .76 μm[30 μin]   |
| Wire Contact Termination Area Plating Thickness | 1.01 μm[40 μin]  |
| Wire Contact Termination Area Plating Material  | Tin              |

|   |                 |
|---|-----------------|
| Contact Orientation                     | Straight        |
| Contact Underplating Material           | Nickel          |
| Contact Underplating Material Thickness | 1.27 μm[50 μin] |
| Barrel Type                             | Open Barrel     |
| Contact Size                            | 16              |

### Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

### Mechanical Attachment

|                                       |         |
|---------------------------------------|---------|
| Contact Retention Type Within Housing | Snap-In |
| Wire Insulation Support               | With    |

### Dimensions

|  |                            |
|--|----------------------------|
| Wire Size                              | .75 – 1.5 mm <sup>2</sup>  |
| Accepts Wire Insulation Diameter Range | 2 – 2.5 mm[.079 – .098 in] |
| Overall Length                         | 29.4 mm[1.157 in]          |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -50 – 150 °C[-58 – 302 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Identification Marking

|            |      |
|------------|------|
| Color Code | Blue |
|------------|------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Reel |
| Packaging Quantity | 5000 |

### Other

|                 |  |
|-----------------|--|
| Wire/Cable Type | Discrete Wire  |
| Wire Type       | Regular Wire   |
| For Use With    | CPC Series 1 and 4 Connectors, G Series, M Series, Metrimate Drawer, Metrimate, Special M Series                                       |
| Comment         | Leading Pin (1.8mm longer than standard pins), Overall insulation crimp diameter, including crimp barrel, must not exceed 3.18 [.125]. |



## 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)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| 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

|  |   |  |  |
|--|---|--|--|
| <p>TE Part # CAT-AM71-C83998C<br/>CMC SERIES 1</p> | <p>TE Part # CAT-AM71-C83998Y<br/>CPC SERIES 1 SEALED ONE-PIECE</p> | <p>TE Part # CAT-AM71-C83998J<br/>CPC SERIES 1</p> | <p>TE Part # CAT-AM71-C83998K<br/>CPC SERIES 6</p> |
|--|---|--|--|





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 # 2151023-1  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 2-2151023-1  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 2-2151023-2  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 2151023-2  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 5-2151023-1  
OCEAN\_2.0\_Applicator-S-080F1200




TE Part # 5-2151023-2  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 7-2151023-1  
OCEAN\_2.0\_Applicator-S-080F1200



TE Part # 7-2151023-2  
OCEAN\_2.0\_Applicator-S-080F1200



KIT REPRESENTATION ONLY


TE Part # 7-2151023-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-080F1200




KIT REPRESENTATION ONLY

TE Part # 7-2266601-7  
OC-080F1200-752-CRIMPTOOLINGKIT

Also in the Series | AMP Type III+

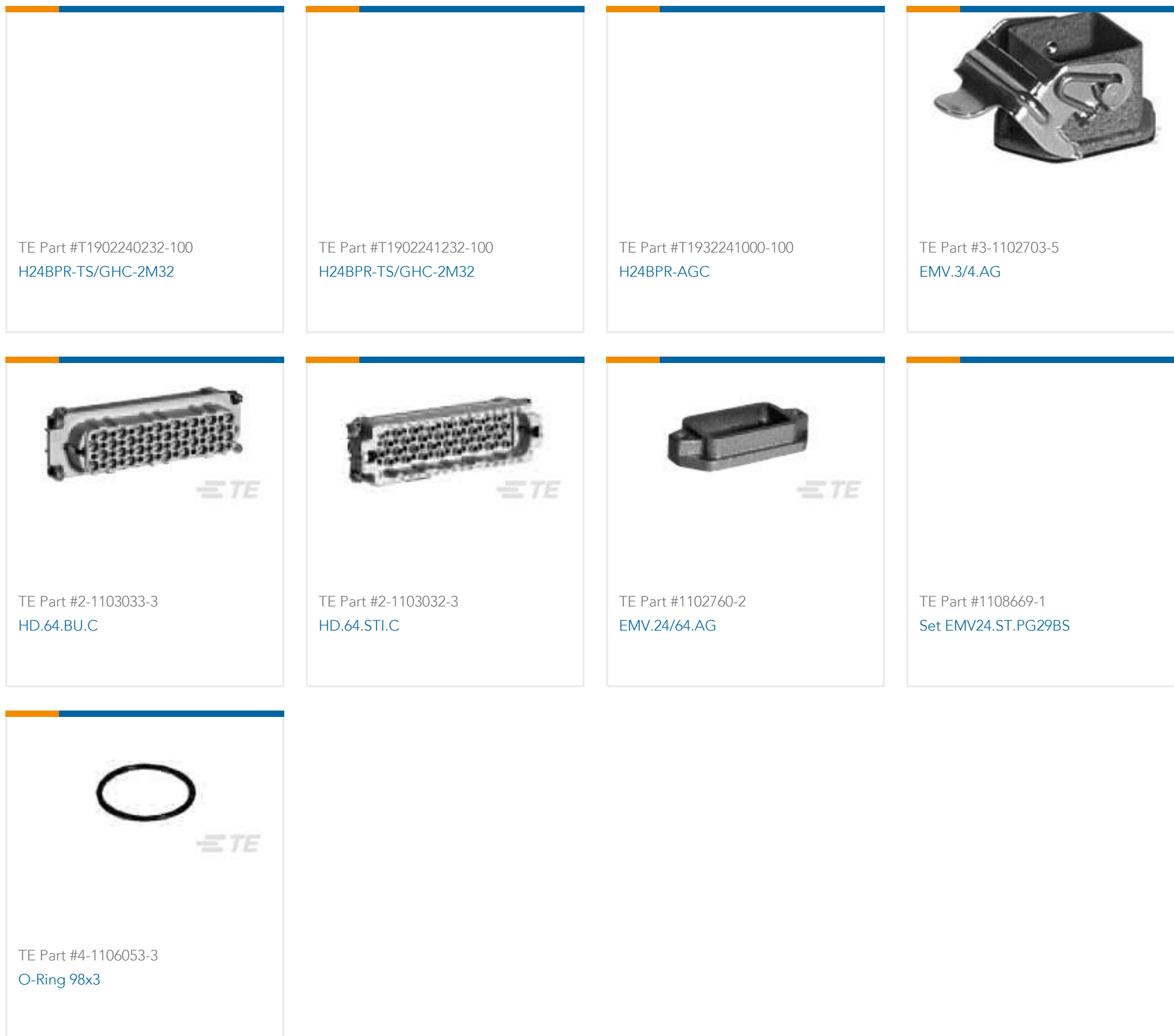


Insertion & Extraction Tools(4)



Power Contacts(414)

Customers Also Bought



## Documents

### Product Drawings

M-SRS.PIN BODY 3+

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_164161-4\\_W.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_164161-4\\_W.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_164161-4\\_W.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages





### Heavy Duty Connectors

English

### 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

#### Product Specification

English

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### Product Environmental Compliance

#### TE Material Declaration

English