

2-171822-3 ✓ ACTIVE

TE Internal #: 2-171822-3

Housing, Receptacle, Wire-to-Board, 3 Position, .098 in [2.5 mm]  
Centerline, Crimp, 1 Row, Black, Mating Retention, Wire & Cable,  
Power & Signal

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Centerline (Pitch): **2.5 mm [ .098 in ]**

## Features

### Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Housing       |
| Connector & Housing Type          | Receptacle    |
| Connector System                  | Wire-to-Board |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |

### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 3 |
| Number of Rows      | 1 |

### Electrical Characteristics

|                       |                |
|-----------------------|----------------|
| Insulation Resistance | 500 M $\Omega$ |
| Operating Voltage     | 250 VAC        |

### Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Black    |

### Contact Features

|                              |        |
|------------------------------|--------|
| Contact Layout               | Inline |
| Contact Type                 | Socket |
| Contact Current Rating (Max) | 2 A    |



### Termination Features

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

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Strain Relief           | Without                    |
| Panel Mount Feature     | Without                    |
| PCB Mount Retention     | Without                    |
| Mating Retention Type   | Lock                       |
| Mating Retention        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

|                             |                  |
|-----------------------------|------------------|
| Housing Entry Configuration | Both Ends Closed |
| Housing Material            | Nylon 6/6        |
| Centerline (Pitch)          | 2.5 mm [.098 in] |

### Dimensions

|                  |         |
|------------------|---------|
| Connector Length | 14 mm   |
| Connector Height | 5.75 mm |

### Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 95 °C [-4 – 203 °F] |
|-----------------------------|---------------------------|

### Operation/Application

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

### Industry Standards

|                        |          |
|------------------------|----------|
| Agency/Standard        | UL       |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method   | Bag  |

### 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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

Melamine (3% in Component Part)

**Article Safe Usage Statements:**

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 170204-4  
170262-4 LP E1CRIMP SNAP IN



TE Part # 170205-1  
E.I. SERIES CONTACT LP



TE Part # 170204-1  
EIS RECPT CONTACT



TE Part # 170205-2  
E.I. SERIES CONTACT LP



TE Part # 170204-2  
EIS CONTACT



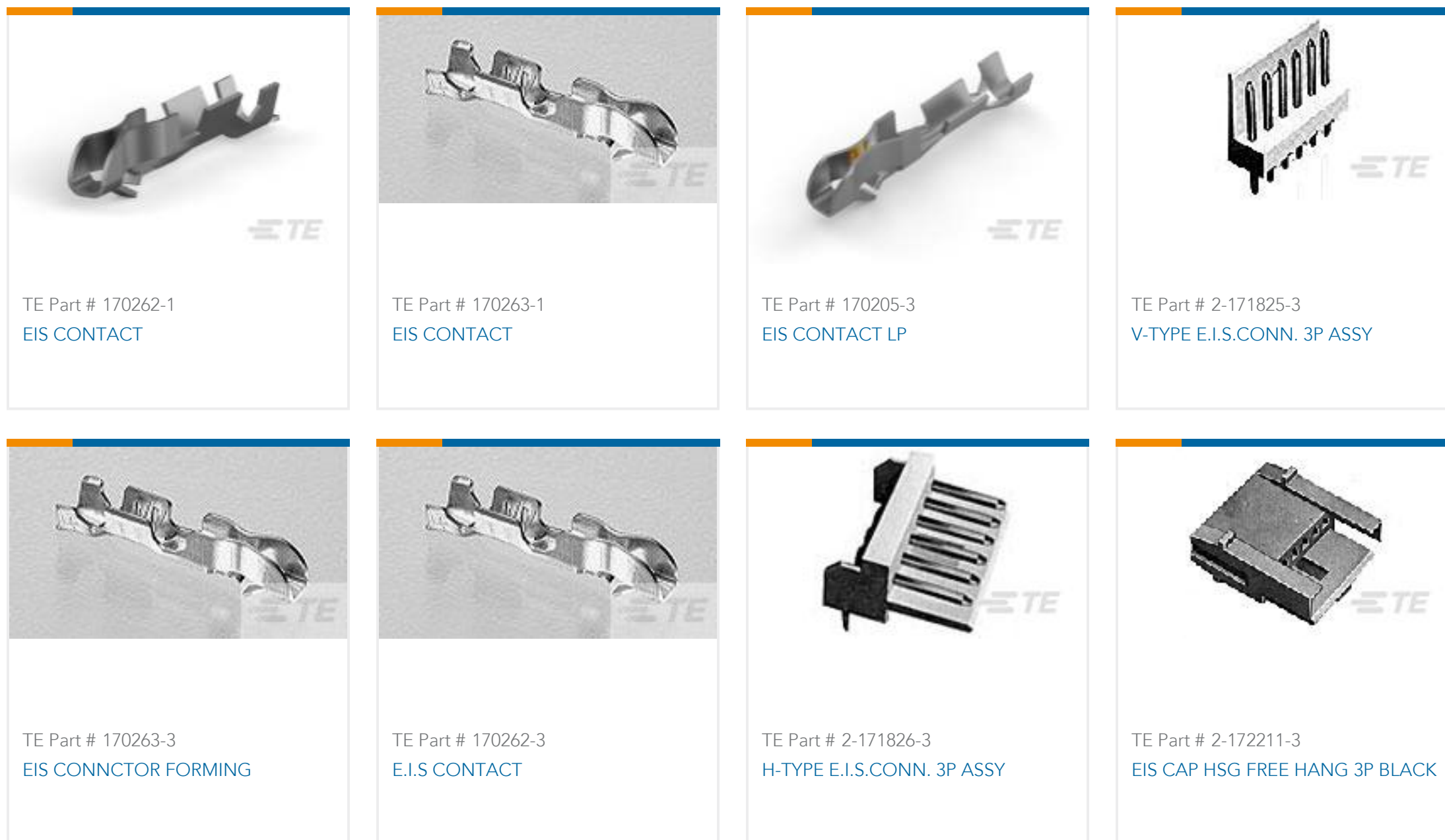
TE Part # 170263-2  
E.I.S. CONTACT



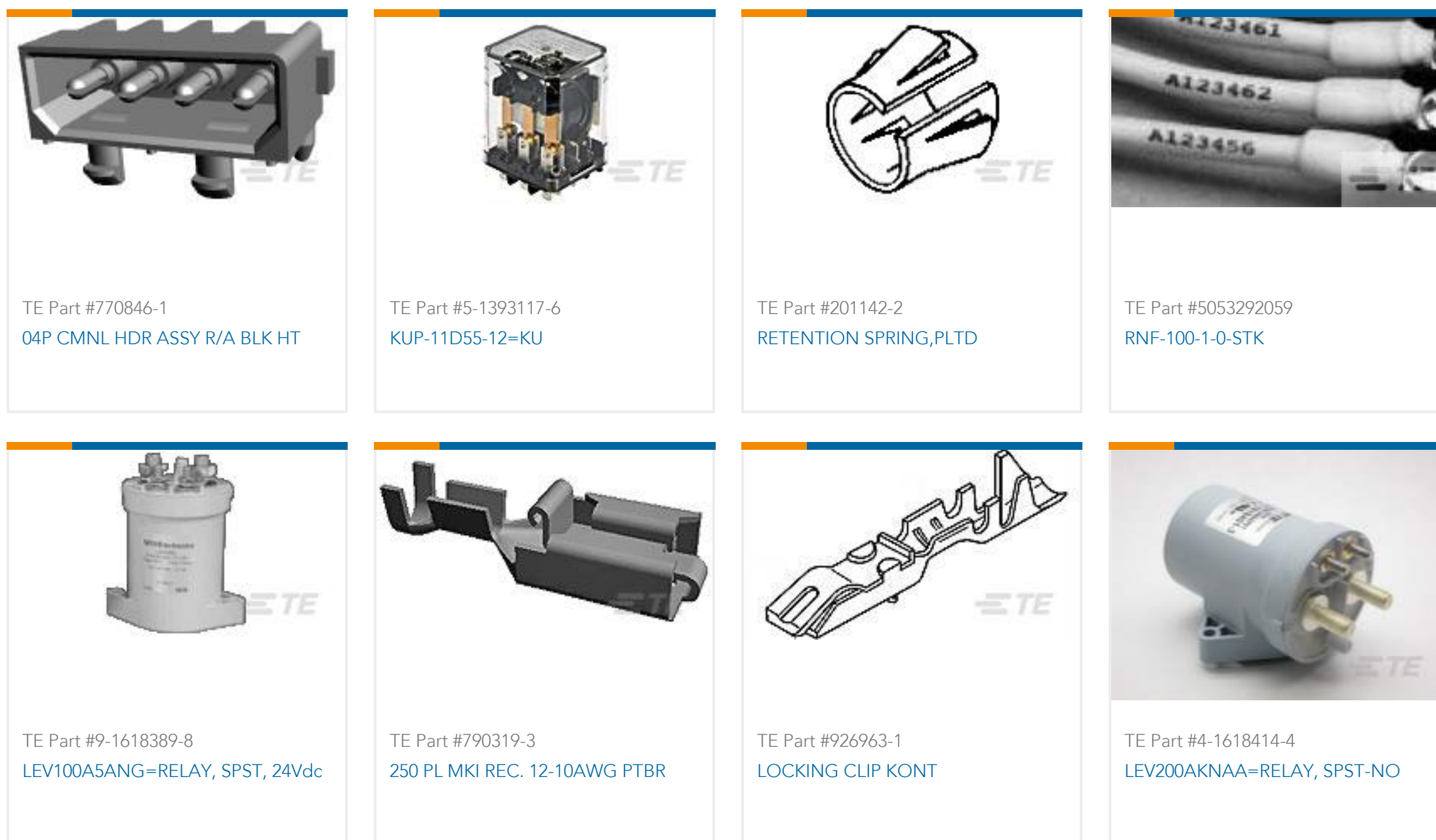
TE Part # 170262-4  
EIS CONNCTOR FORMING



TE Part # 170262-2  
EIS CONTACT



### Customers Also Bought



### Documents

**CAD Files**

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-171822-3\\_R.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-171822-3\\_R.3d\\_igs.zip](#)

English



**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-171822-3\\_R.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-171822-3\\_L.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-171822-3\\_L.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-171822-3\\_L.2d\\_dxf.zip](#)

English

**3D PDF**

English

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

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**Datasheets & Catalog Pages**

[1-1773972-5\\_EIS\\_Connectors\\_Brochure](#)

English

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**Product Specifications**

[Crimping of AMP EI Series Connector Contacts](#)

Japanese

[Application Specification](#)

Japanese

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**Product Environmental Compliance**

[TE Material Declaration](#)

English

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**Agency Approvals**

[Agency Approval Document](#)

English