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

Number of Positions: **20**

Centerline (Pitch): **2.54 mm [ .1 in ]**

PCB Mount Retention: **Without**

PCB Mount Retention Type: **Screw Mount**

Features

Product Type Features

|                                   |                                |
|-----------------------------------|--------------------------------|
| Header Type                       | Universal Ejection Pin Headers |
| Connector System                  | Board-to-Board                 |
| Connector & Housing Type          | Receptacle                     |
| Connector & Contact Terminates To | Printed Circuit Board          |

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 20          |
| PCB Mount Orientation | Right Angle |
| Number of Rows        | 2           |

Body Features

|                   |          |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

|                                               |                  |
|-----------------------------------------------|------------------|
| Contact Type                                  | Pin              |
|                                               | 30 – 30 µin      |
| Contact Mating Area Plating Material          | Gold Flash, Gold |
| Contact Shape & Form                          | Square           |
| Contact Underplating Material                 | Nickel           |
| PCB Contact Termination Area Plating Material | Tin-Lead         |
| Contact Current Rating (Max)                  | 1 A              |

Termination Features

|  |  |
|--|--|
|  |  |
|--|--|



|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 2.79 mm[.11 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |                             |
|--------------------------|-----------------------------|
| Mating Alignment         | With                        |
| PCB Mount Alignment      | With                        |
| Panel Mount Feature      | Without                     |
| PCB Mount Retention      | Without                     |
| PCB Mount Retention Type | Screw Mount                 |
| Mating Alignment Type    | Center, Dual Polarizing Bar |
| Mating Retention         | Without                     |
| Connector Mounting Type  | Board Mount                 |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Thermoplastic  |
| Housing Color      | Black          |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 8.53 mm[.34 in]  |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 70   |
| Packaging Method   | Tray |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                              |               |
|------------------------------|---------------|
| EU RoHS Directive 2011/65/EU | Not Compliant |
|------------------------------|---------------|

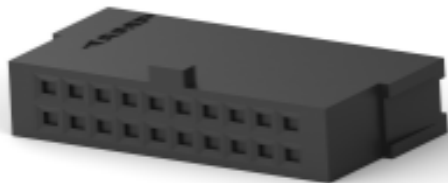


|                                               |                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| EU ELV Directive 2000/53/EC                   | Not Compliant                                                                                                                |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUL 2019 (201)<br>Candidate List Declared Against: JUL 2019 (201)<br>Pb (13% in Component Part) |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUL 2019 (201)<br>Candidate List Declared Against: JUL 2019 (201)                               |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                               |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                 |

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 487223-5  
020 HOUSING FFC RCPT  
100CL DR

Also in the Series | AMP-LATCH Universal Headers