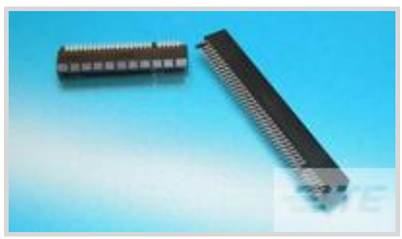
# 1-650728-9 × OBSOLETE

TE Internal #: 1-650728-9

TE Internal Description: CONN SEC II 19POS 150C/L

View on TE.com >

Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



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

Number of Positions: **38**

Centerline (Pitch): **3.81 mm [ .15 in ]**

Number of Dual Positions: **19**

Number of Rows: **2**

## Features

### Product Type Features

| | |
|---|---|
| Connector System | Board-to-Board |
| Connector & Housing Type | Receptacle |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 38 |
| Number of Dual Positions | 19 |
| Number of Rows | 2 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 400 VDC |

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

### Contact Features

| | |
|---|---|
| | 100 µin |
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Retention Within Housing | Without |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin-Lead |

| | |
|---|---|
| PCB Contact Termination Area Plating Material Finish | Bright |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | .76 µm |
| Contact Current Rating (Max) | 3 A |

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.43 mm[.135 in] |

### Mechanical Attachment

| | |
|---|---|
| Mating Retention | Without |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |
| Connector Mounting Type | Board Mount |

### Housing Features

| | |
|---|---|
| Centerline (Pitch) | 3.81 mm[.15 in] |
| Housing Material | Glass-Filled Polyester |

### Dimensions

| | |
|---|---|
| Card Slot Depth | 9.27 mm[.36 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height | 15.24 mm[.6 in] |
| Row-to-Row Spacing | 5.08 mm[.2 in] |

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Method | Package |
| Packaging Quantity | 104 |

## Product Compliance

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

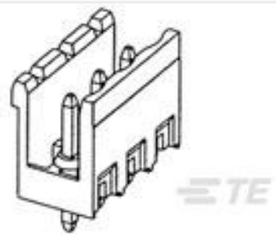
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |

| | |
|---|---|
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: DEC 2010 (44)<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 | Wave solder capable to 240°C |

Product Compliance Disclaimer

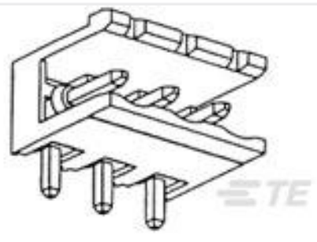
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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.

## Customers Also Bought



TE Part #282824-4

TERMI-BLOK HEADER,ASSY90 4P.5



TE Part #282815-5

TERMI-BLOK HEADER,ASSY90 5P.5



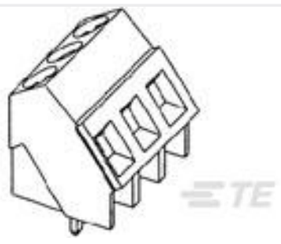
TE Part #1SNA230002R0000

RC55 1->10 (X10) HORIZONTAL

TE Part #102394-7

18 AMP MODU MT HSG DR .100CL

TE Part #7-2176414-4
7W STD M/OX 5% 22K



TE Part #796689-5
TERMI-BLOK PCB MOUNT 5P.



TE Part #1SNA230003R0100
RC55 11->20 (X10) HORIZONTAL

TE Part #3-284932-6
DUOPLUG MKI STD,6 POS, KEYED 4

TE Part #4-1534796-6
AMP DUOPLUG MARK II CONNECTOR 3-20POS

TE Part #1-1355181-6
DUOPLUG2,5GEH 6P 8X

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-650728-9_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-650728-9_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-650728-9_L.3d_stp.zip

English