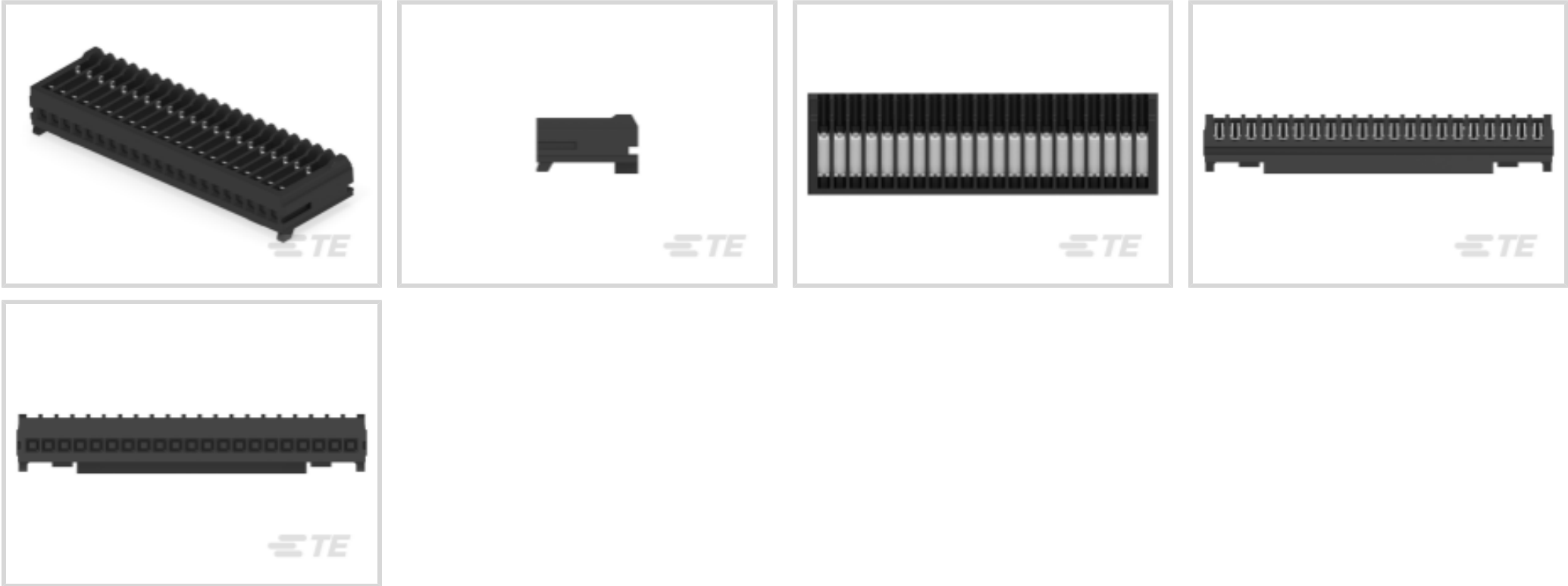




TE Internal #: 2-2355088-1
Connector Assembly, Receptacle, Wire-to-Board, 21 Position, 1.2 mm [.047 in] Centerline, Insulation Displacement (IDC), 1 Row, Black, Wire & Cable
[View on TE.com >](#)

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



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**
Number of Positions: **21**
Centerline (Pitch): **1.2 mm [.047 in]**

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Connector Product Type | Connector Assembly |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 21 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|---------------------------------------|---------|
| Operating Voltage | 50 VDC |
| Termination Resistance | 20 mΩ |
| Insulation Resistance | 100 MΩ |
| Dielectric Withstanding Voltage (Max) | 250 VAC |

Body Features

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



Contact Features

| | |
|----------------------------------|-----------------|
| Contact Retention Within Housing | With |
| Contact Layout | Inline |
| Contact Base Material | Phosphor Bronze |
| Contact Type | Receptacle |
| Contact Current Rating (Max) | 2 A |

Termination Features

| | |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

| | |
|---------------------------------------|-----------------|
| Strain Relief | With |
| Mating Retention Type | Detent Latching |
| Contact Retention Type Within Housing | Press-Fit |
| Locking Latch Between Cavity Number | None |
| Mating Retention | With |

Housing Features

| | |
|-----------------------------|------------------|
| Housing Material | Nylon 66 GF |
| Housing Entry Configuration | Both Ends Open |
| Centerline (Pitch) | 1.2 mm [.047 in] |

Dimensions

| | |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | .86 – .9 mm [.033 – .035 in] |
| Connector Width | 7.65 mm [.301 in] |
| Connector Height | 4.47 mm [.175 in] |
| Wire Size | 26 – 28 AWG |
| Connector Length | 26.4 mm [1.039 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 85 °C [-22 – 185 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

| | |
|---|----------|
| Compatible With Agency/Standards Products | UL |
| RAST Version | None |
| UL Flammability Rating | UL 94V-0 |



Compatible With Approved Standards Products

UL E28476

Packaging Features

| | |
|------------------|------------|
| Packaging Method | Bag/Carton |
|------------------|------------|

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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

| | | | |
|--|--|---|--|
|  <div>TE Part # 2-2355091-1 MICRO CT CONN SINGLE ROW HDR ASSY(M)21p</div> |  <div>TE Part # 2388700-2 DECAM 7A, MICRO CT, CT</div> |  <div>TE Part # 2374779-1 MANUAL PRESS, MICRO CT</div> |  <div>TE Part # 2388630-1 PISTOL TOOL, MICRO CT</div> |
|--|--|---|--|

Customers Also Bought



TE Part #3-292215-2
MINI CT SGL RELAY 12P BLACK

TE Part #1-2355088-7
MICRO CT CONN MT REC ASSEMBLY 17P

TE Part #CAT-AM7053-D797R
MINI CT DRAWER RECEPTACLE HOUSINGS

TE Part #4-292249-2
1.5 MINI CT LATTICE PLUG/KIT K

TE Part #4-292254-6
CT RELAY HDR ASSY 6P YELLOW

TE Part #179322-3
HYBRID MINI DRAWER TAB CONT.#2

TE Part #1-2355088-9
MICRO CT CONN MT REC ASSEMBLY 19P

TE Part #8-292155-8
SGL HDR PANEL MOUNT ASSY

TE Part #9-292112-4
MT REC ASSY (#26,28)

Documents

Product Drawings
MICRO CT CONN MT REC ASSEMBLY 21P
English

CAD Files
Customer View Model
ENG_CVM_CVM_2-2355088-1_C2.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2-2355088-1_C2.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_2-2355088-1_C2.2d_dxf.zip
English
3D PDF
3D

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

Datasheets & Catalog Pages



1.2mm AMP Micro CT Connector Series

English

Product Specifications

Application Specification

Japanese

Agency Approvals

UL

English