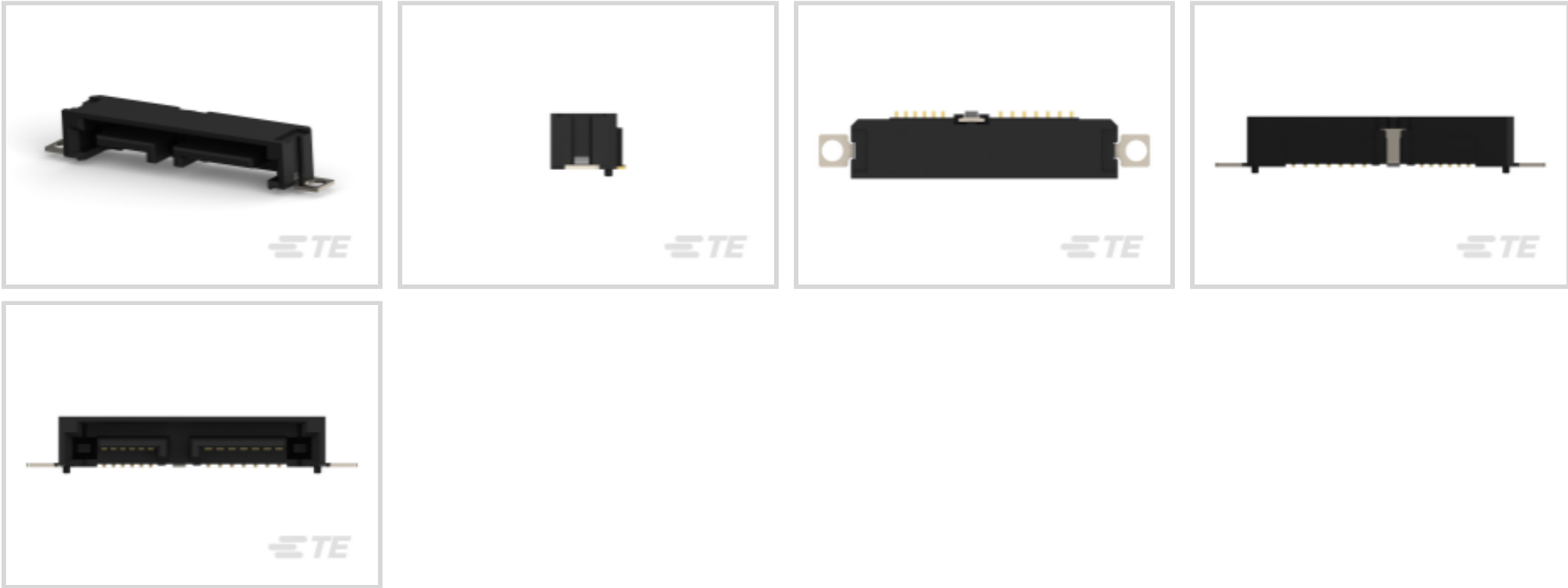




Connectors > Audio & Video Connectors > SATA & Micro SATA



SATA Connector Type: **SATA**

Connector & Housing Type: **Plug**

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

Number of Positions: **13**

Contact Configuration: **6P + 7P**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| SATA Connector Type | SATA |
| Connector & Housing Type | Plug |
| Connector System | Cable-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 13 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 1 |
| Number of Ports | 2 |

Body Features

| | |
|-------------------|----------|
| Connector Profile | Slimline |
|-------------------|----------|

Contact Features

| | |
|---|--------------|
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin |



| | |
|--|---------------|
| Contact Mating Area Plating Material Thickness | .05 µm[2 µin] |
| Contact Configuration | 6P + 7P |
| Contact Current Rating (Max) | 1.5 A |

Termination Features

| | |
|---------------------------|---------------|
| | .17 in |
| Termination Method to PCB | Surface Mount |

Mechanical Attachment

| | |
|------------------------------------|----------------|
| PCB Mount Retention Feature Length | .7 mm[.028 in] |
| Mating Alignment Type | Polarization |
| PCB Mount Retention Type | Solder Peg |
| PCB Mount Retention | With |
| PCB Mount Location | Top |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|--------------------------------|
| Housing Material | Thermoplastic |
| Housing Color | Black |
| Centerline (Pitch) | 1 mm, 1.27 mm[.039 in][.05 in] |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.2 mm[.048 in] |
| Profile Height from PCB | 5.4 mm[.212 in] |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

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

Industry Standards

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

Packaging Features

| | |
|--------------------|-------------|
| Packaging Method | Tape & Reel |
| Packaging Quantity | 650 |

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: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°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 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 # 1-1735413-2
Assembly Slimline SATA Receptacle 7P+6P




TE Part # 1-1735413-3
Assembly Slimline SATA Receptacle 7P+6P



TE Part # 1-1735413-1
Assembly Slimline SATA Receptacle 7P+6P











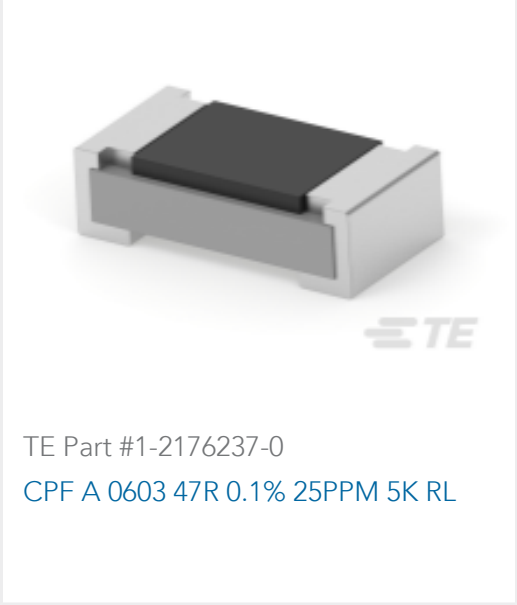

TE Part # 1735539-2
Slimline SATA Receptacle, Vertical, SMT



TE Part # 1735539-3
Slimline SATA Receptacle, Vertical, SMT

Customers Also Bought



| | | | |
|---|---|---|---|
|  <p>TE Part #1-2176307-8 RP 1E 0.1W 18K7 0.1% 25PPM 5K RL</p> |  <p>TE Part #2176054-3 RLP73M 2A R062 5% 5K RL</p> |  <p>TE Part #6-2176370-8 RQ 0603 2K15 0.1% 10PPM 5K RL</p> |  <p>TE Part #5-2176603-0 RLC73K 3A R182 1% 1K RL</p> |
|  <p>TE Part #2176495-1 BMC 1210 31R 25% A Gen C</p> |  <p>TE Part #2176091-4 RP 2A 0.25W 61R9 0.1% 25PPM 1K RL</p> |  <p>TE Part #7-2176453-7 CPF 0201 35K7 0.1% 25ppm 1K RL</p> |  <p>TE Part #9-2176067-7 CRG0201 1% 1K0</p> |
|  <p>TE Part #1-2176237-0 CPF A 0603 47R 0.1% 25PPM 5K RL</p> |  <p>TE Part #5-104693-7 70 50/50 HDR DRST SFMNT.390 SN</p> | | |

Documents

Product Drawings
Assembly Slimline SATA Plug 7P+6P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1735471-3_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1735471-3_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1735471-3_B.3d_stp.zip
English

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

Product Specifications



Product Specification

English

Product Specification

English

Agency Approvals

UL Report

English