



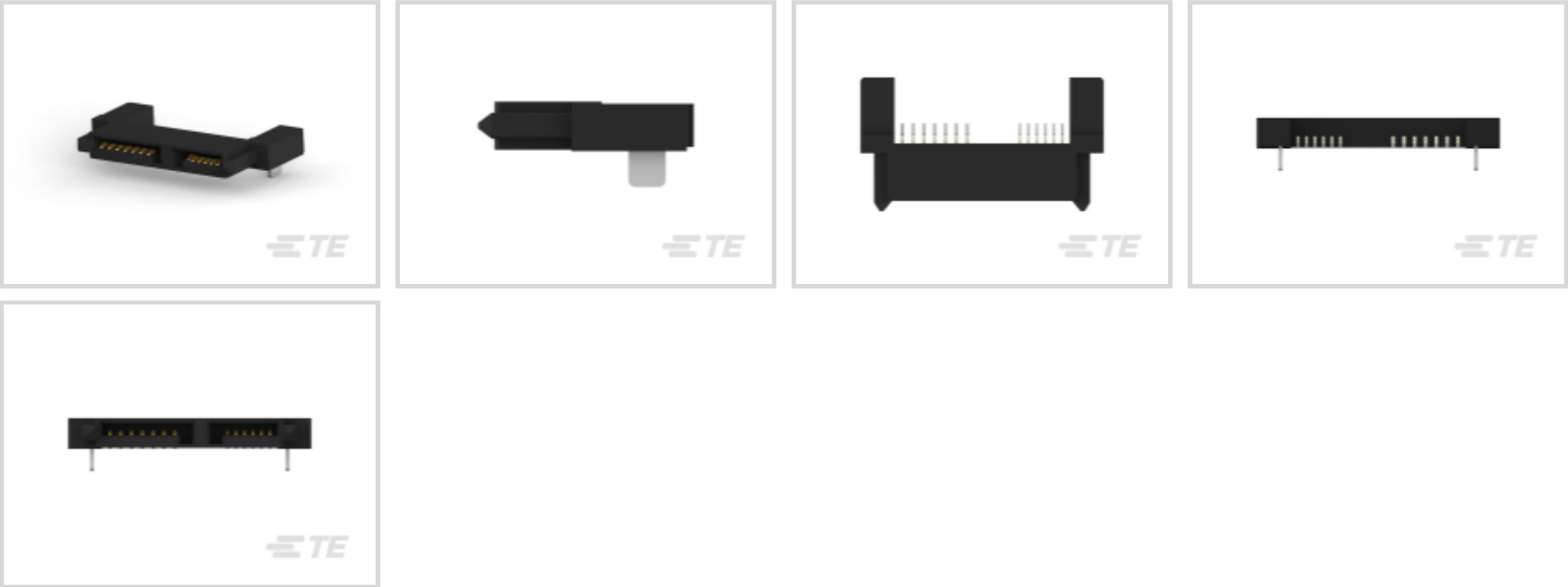
TE Internal #: 1-1735413-3

SATA, Receptacle, Cable-to-Board, 13 Position, 6P + 7P, Slimline

Connector Profile, Right Angle, Surface Mount, Height Above PC Board .142 in [3.6 mm]

[View on TE.com >](#)

Connectors > Audio & Video Connectors > SATA & Micro SATA



SATA Connector Type: **SATA**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **13**

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

Features

Product Type Features

Shell	Without
SATA Connector Type	SATA
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
Number of Positions	13
PCB Mount Orientation	Right Angle
Number of Rows	1
Number of Ports	2

Body Features

Connector Profile	Slimline
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Contact Features

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Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Configuration	6P + 7P
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Retention Feature Length	2.9 mm[.114 in]
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Retention Type	Solder Peg
PCB Mount Location	Top
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.2 mm[.048 in]
Height Above PC Board	3.6 mm[.142 in]

Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F][-40 – 185 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	400
Packaging Method	Tape & Reel



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 2021 (211) Candidate List Declared Against: JAN 2017 (173) SVHC > Threshold: Not Yet Reviewed
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 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.

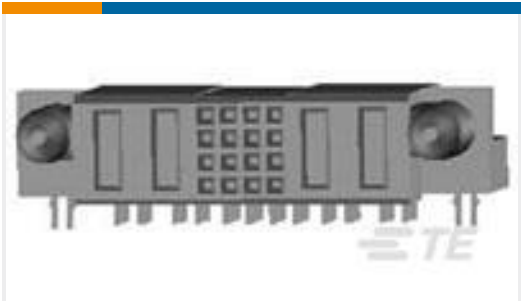
Compatible Parts



Customers Also Bought



TE Part #2007852-3
IMP100S,H,V5P10C,UG,OEW39,5.5



TE Part #3-6450170-1
MBXL R/A RCPT 2P+16S+2P



TE Part #2170695-1
ZQSFP+ 2X3, THERMAL 2LP LU
INNER, AU



TE Part #1658470-1
MSB0.80PL30ASY040FL,-,30,-TY



TE Part #2007855-3
IMP100S,H,V5P10C,UG,REW39,5.5



TE Part #2007857-2
IMP100S,H,V5P16C,LG,OEW39,4.9



TE Part #2013310-3
SEMI-HARD TRAY DDR3 204P 9.2H
STD Au0.76



TE Part #2170207-2
1X6 QSFP CAGE ASSEMBLY THRU
BEZEL WITH



TE Part #2180463-1
SFP+ Enhanced 1x4 Cage, Heatsink
Opening



TE Part #7-6450550-1
MBXL VERT RCPT 2P+24S+2P

Documents

Product Drawings

Assembly Slimline SATA Receptacle 7P+6P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1735413-3_C2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1735413-3_C2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1735413-3_C2.3d_stp.zip

English

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Product Specifications



Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English