



Smart Card

TE Internal #: 5145300-2

Smart Card Connectors, Connector, 8 Position, .1 in [2.54 mm]

Centerline, Printed Circuit Board, Signal, Board Mount, -40 – 194 °F

[-40 – 90 °C]

[View on TE.com >](#)

[Connectors](#) > [PCB Connectors](#) > [Memory Card Connectors](#) > [Smart Card Connectors](#)



Smart Card Connector Product Type: **Connector**

Number of Positions: **8**

Accepts Card Thickness: **.76 mm [.03 in]**

Pre-Installed Wire & Cable: **Without**

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

Features

Product Type Features

Card Type	Smart Card
Card Guide Slots	Without
Card Scoop	Without
Switch Style	Unsealed
Smart Card Connector Product Type	Connector
Connector & Contact Terminates To	Printed Circuit Board
Strain Relief	Without
Profile	Standard

Configuration Features

Card Detection Switch	With
Card Detection Switch Position	No
Cover	With
Number of Signal Positions	8
Number of Positions	8
Pre-Installed Wire & Cable	Without

Contact Features

Number of Switch Contacts	2
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.2 A
Contact Mating Area Plating Thickness	30 µin
Contact Mating Area Plating Material	Gold

Termination Features

Termination Type	IDC
------------------	-----

Mechanical Attachment

PCB Mounting Style	Surface Mount
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Profile Height from PCB	3.65 mm[.144 in]
Accepts Card Thickness	.76 mm[.03 in]

Usage Conditions

Operating Temperature Range	-40 – 90 °C[-40 – 194 °F]
-----------------------------	---------------------------

Operation/Application

Durability Rating	50000 Cycles
Circuit Application	Signal

Packaging Features

Packaging Method	Carton
Packaging Quantity	448

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: JUNE 2022
(224)

Candidate List Declared Against: JUNE
2022 (224)

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



Documents

Product Drawings

[SMT CARD RCPT, 8 POS, W/ COVER](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5145300-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5145300-2_B.3d_stp.zip](#)

English

Customer View Model



[ENG_CVM_CVM_5145300-2_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

[Product Specifications](#)

[Application Specification](#)

English