86566-2 ✔ ACTIVE

TE Internal #: 86566-2

FFC Contacts, Cable-to-Cable, 2.54mm [.1in] Centerline, Discrete Wire Compatible With Wire & Cable Type, Socket

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FFC Contacts > 2.54mm FFC Connectors Socket Contacts



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

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

Compatible With Wire & Cable Type: **Discrete Wire**

Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold Flash/Palladium Nickel or Gold/Nickel**

All 2.54mm FFC Connectors Socket Contacts (35)

Features

Product Type Features

Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Contact Features

	15 µin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Gold Flash/Palladium Nickel or Gold/Nickel
Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Accepts Conductor Width	1.27 mm, 1.82 mm
Wire Size	.12 – .4 mm^2
Accepts Wire Insulation Diameter Range	1.02 – 1.42 mm[.04 – .056 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	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	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 2021 (211) Candidate List Declared Against: JAN 2018 (181) 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	Not applicable 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

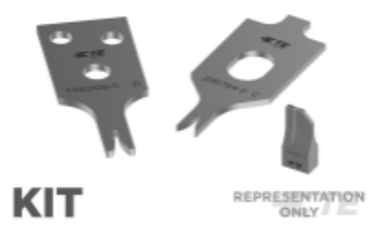
Compatible Parts



TE Part # CAT-F439-R2435254
2.54mm FFC Connectors Receptacle Housing



TE Part # 2305570-1
TERMINAL CUTTER, SIDE FEED



TE Part # 7-2151980-7
OCEAN_2.0_SPARE_PART_KIT-055F062O



TE Part # 2-2151980-1
OCEAN_2.0_Applicator-S-055F062O



TE Part # 2-2151980-2
OCEAN_2.0_Applicator-S-055F062O-A



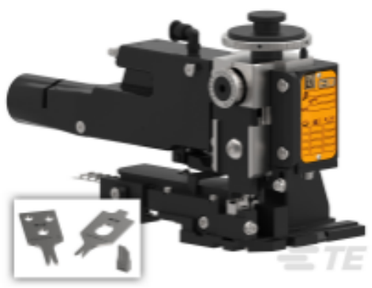
TE Part # 2151980-1
OCEAN_2.0_Applicator-S-055F062O



TE Part # 2151980-2
OCEAN_2.0_Applicator-S-055F062O-A



TE Part # 7-2151980-1
OCEAN_2.0_Applicator-S-055F062O



TE Part # 7-2151980-2
OCEAN_2.0_Applicator-S-055F062O-A

Customers Also Bought



TE Part #1658538-1
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



TE Part #1-2308319-1
FULL METAL HOODS SIZE 1 (1)



TE Part #2-34157-1
TERMINAL,PG R 16-14 4



TE Part #1-350589-0
STR/REL CLAMP NATL



TE Part #1-66583-0

TYPE VI PIN,MULTI-MATE



TE Part #1776089-1

CMC SERIES 4



TE Part #1-86557-4

2.54mm FFC Connectors Pin Contacts



TE Part #ZPF000000000099684

DMC-M 99-01 PN



TE Part #1-51692-6

N SERIES PLUG RG 217

TE Part #1478884-6

METRIC EMC GLAND M40X1.5

Documents

Product Drawings

FFC RECP CONT PLTD 1 FULL AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_86566-2_AN.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_86566-2_AN.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_86566-2_AN.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Extraction Tools

English

Instruction Sheet (U.S.)

English

Extraction Tool for Flexible Flat Cable (FFC)

English