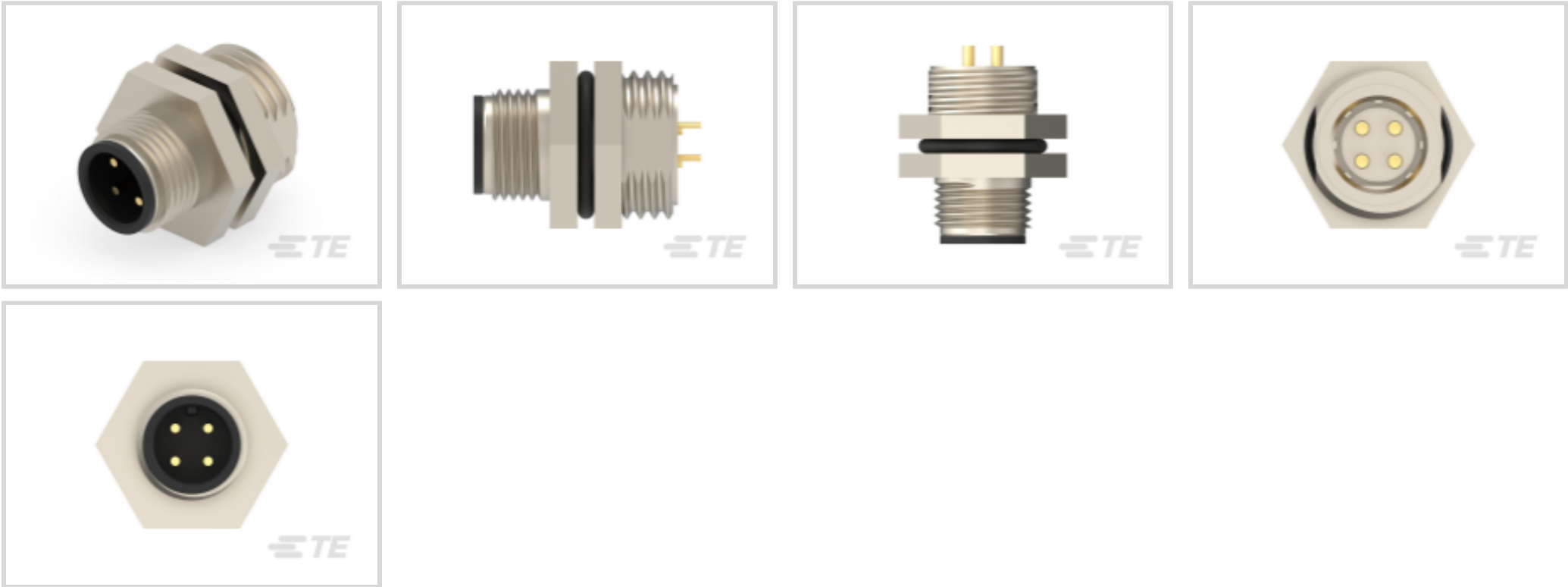# 1838893-2 ✓ ACTIVE

M12 Connector

TE Internal #: 1838893-2

4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors

Number of Positions: **4**

Connector System: **Wire-to-Panel**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **5 A**

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	No
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plastic

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	With
Number of Positions	4

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4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	500 VAC

Body Features

O-Ring Material	EPDM
Environmental Protection	IP67
Environmental Protection Type	Sealed
Primary Product Color	Black
Shell Base Material	Plastic
Circular Connector Insulation Material Type	Polyamide
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	5 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Solder

Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Threaded
PCB Mount Retention	With
Panel Mount Feature Type	Screw Nut
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	18

4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

Dimensions

Wire Size	24 – 20 AWG

Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

Compatible With Approved Standards Products	IEC

Packaging Features

Packaging Quantity	50

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (2.95% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

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4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

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 # T4133012051-000

M12,FRONT MOUNT,FEMALE,A,5P, SOLDER WIRE

Also in the Series | M12 Connector

Connector Hardware(11)

Connector Seals & Cavity Plugs(4)

M8/M12 Cable Assemblies(230)

Standard Circular Connectors(793)

Customers Also Bought

TE Part #1618408-2

LEV100H5CNG = CONTACTOR WITH AUX SPST

TE Part #1SNG626038R0000

EP-SGL-M20-GR-C
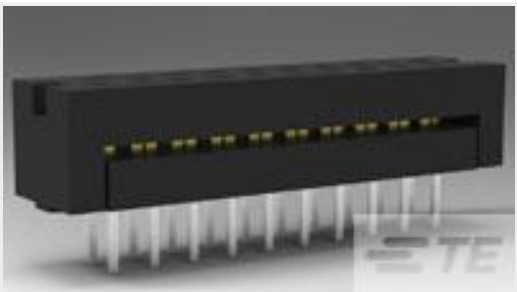
TE Part #2176070-3

3521 12R 1% 2W

TE Part #1-1623774-3

C14 100K 5% (LOOSE)

TE Part #T4110001041-000

M12,FEMALE,STRAIGHT,A CODE,4P, PG7,GOLD

TE Part #T4111001041-000

RPC-M12-MS-4CON-PG7-MU

TE Part #1838891-2

M12 Mtl FEMALE PNL CONN. Sldr Rear (Hex)

TE Part #1838893-3

M12 Mtl MALE PNL CONN. Sldr Re

4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

TE Part #2-746610-4
060 DIP PLUG 100CL TIN

TE Part #5-1676915-7
YR1 0.1% 110R

Documents

Product Drawings

M12 Mtl MALE PNL CONN. Sldr Rear (Hex)

English

CAD Files

Customer View Model

ENG_CVM_1838893-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_1838893-2_C.3d_stp.zip

English

Customer View Model

ENG_CVM_1838893-2_C.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_CVM_1838893-2_D.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1838893-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1838893-2_D.3d_igs.zip

English

3D PDF

3D

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

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4 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel
Mount, Reverse Gender, Plastic, A Code, Polyamide, M12 Connector

Product Specifications

Application Specification

English