



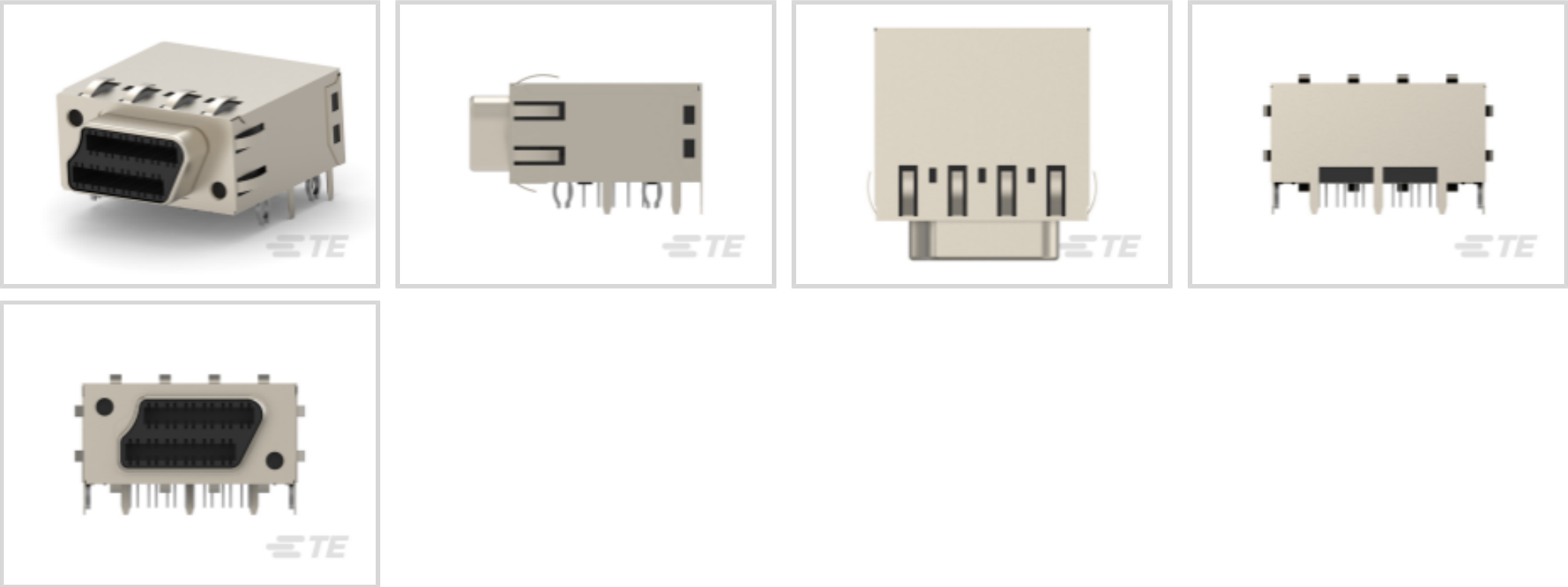
MRJ21

TE Internal #: 1761482-4

MRJ21, Jack, Shielded, Cat 5e, Through Hole - Press-Fit, MRJ21 Connectors

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Connectors > Modular Jacks & Plugs > MRJ21 Connectors > MRJ21 Connector Assemblies: 48 Position



Modular Jacks & Plugs Products: **MRJ21**

Connector Contact Density: **Standard**

Modular Connector Style: **Jack**

Shielded: **Yes**

Performance Category: **Cat 5e**

[All MRJ21 Connector Assemblies: 48 Position \(2\)](#)

Features

Product Type Features

Grounding Options	None
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Cable-to-Board
Modular Jacks & Plugs Products	MRJ21
Modular Connector Style	Jack

Configuration Features

Number of Positions	48
Port Matrix Configuration	1 x 1
PCB Mount Orientation	Right Angle
Port Configuration	Single Port
Connector Contact Density	Standard
Number of Loaded Positions	48

Body Features



Modular Jack Latch Orientation	Standard - Latch Down
Shield Plating Material	Tin over Nickel
Shield Material	Brass

Contact Features

Contact Current Rating (Max)	.5 A
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount, Panel Mount
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Centerline (Pitch)	2.5 mm[.098 in]
Mating Entry Location	Side

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	13.56 mm[.534 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 5e

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	Compliant with Exemptions
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: JAN 2025 (247) SVHC > Threshold: Pb (.35% in 74025572) 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 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-M8704-C76264

[MRJ21 Connector Assemblies: 48](#)

[Position](#)

Customers Also Bought



TE Part #1623436-1
CRG1206 1% 180R

TE Part #ZPF000000000015449
DMC-MD 40 W 01

TE Part #2213775-7
AV16 SPM 0.4VA POWER LED GREEN
12V

TE Part #ZPF000000000015320
DMC-M 20-22 SNE

TE Part #2007251-1
SFP+ 1x6 Cage Assembly

TE Part #2176162-8
UPF25 0.1% 5PPM 350R

TE Part #3-2176070-1
3521 180R 1% 2W

TE Part #5055323-9
06 POWER TAP ASSY .125

TE Part #6450863-5
MBXLE VERT RCPT 7ACP

TE Part #374218-E
ERMBGR FBUK GSE * M4 9999
ERMET-BAUSATZ

Documents

Product Drawings
MRJ21 48POS RCPT ASSY PRESS FI
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1761482-4_G.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1761482-4_G.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1761482-4_G.3d_stp.zip
English

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

Datasheets & Catalog Pages



[82066 - Modular Jacks and MRJ21 Product catalog - High Density MRJ21 Product section](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English