

1761482-1 ✓ ACTIVE



MRJ21

TE Internal #: 1761482-1

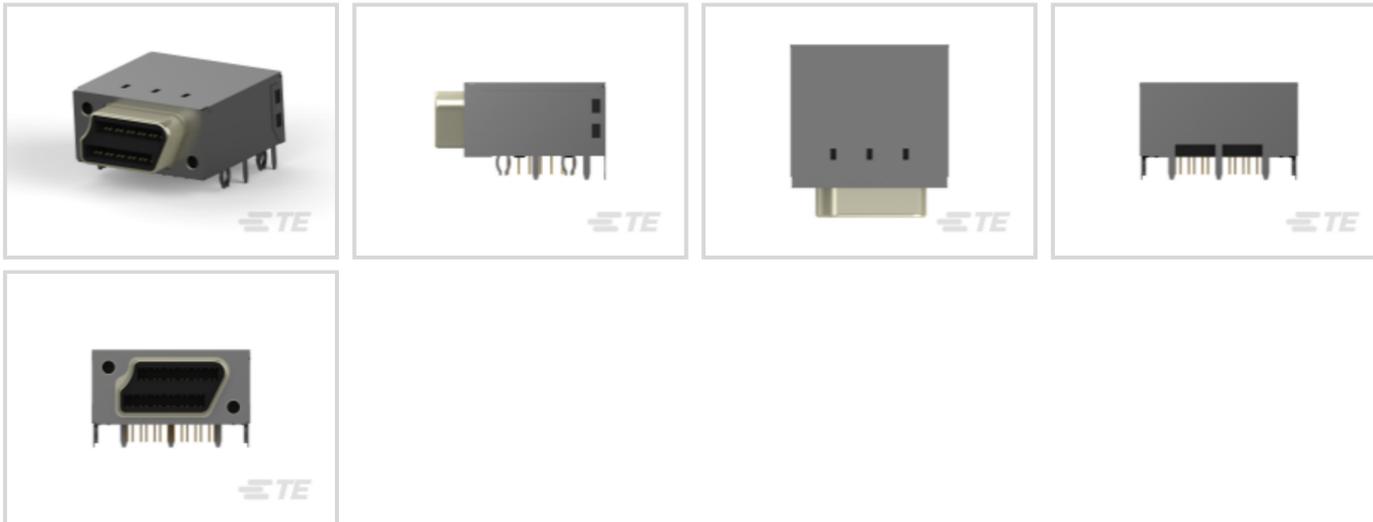
MRJ21 Connectors, Right Angle, MRJ21, Standard Connector

Contact Density, Jack, Shielded, Cat 5e, Cable-to-Board, 48

Position, Through Hole - Solder

[View on TE.com >](#)

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



PCB Mount Orientation: **Right Angle**

Modular Jacks & Plugs Products: **MRJ21**

Connector Contact Density: **Standard**

Modular Connector Style: **Jack**

Shielded: **Yes**

[All MRJ21 Connector Assemblies: 48 Position \(6\)](#)

Features

Product Type Features

Connectors & Connector Components Type	Connector
Panel Stops	Without
Modular Jack & Plug Interface Type	MRJ21
Grounding Options	None
Modular Jacks & Plugs Products	MRJ21
Modular Connector Style	Jack
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Status Indicator Type	None
Port Matrix Configuration	1 x 1
Port Configuration	Single Port
PCB Mount Orientation	Right Angle



Connector Contact Density	Standard
Number of Positions	48
Number of Loaded Positions	48

Body Features

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

Contact Features

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

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Tail Length	3 mm[.118 in]
Connector Height	13.56 mm[.534 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]

Usage Conditions

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

Shielded	Yes
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Circuit Application

Signal

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: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (.35% 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

Wave solder capable to 265°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

[MRJ21 48POS RCPT ASSY, W/O PAN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1761482-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1761482-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1761482-1_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

[Application Specification](#)

English

Product Environmental Compliance

[MD_1761482-1_080920171149_dmtec](#)

English

[MD_1761482-1_080920171149_dmtec](#)

English

Agency Approvals

[UL Report](#)



English

[UL Report](#)

English