



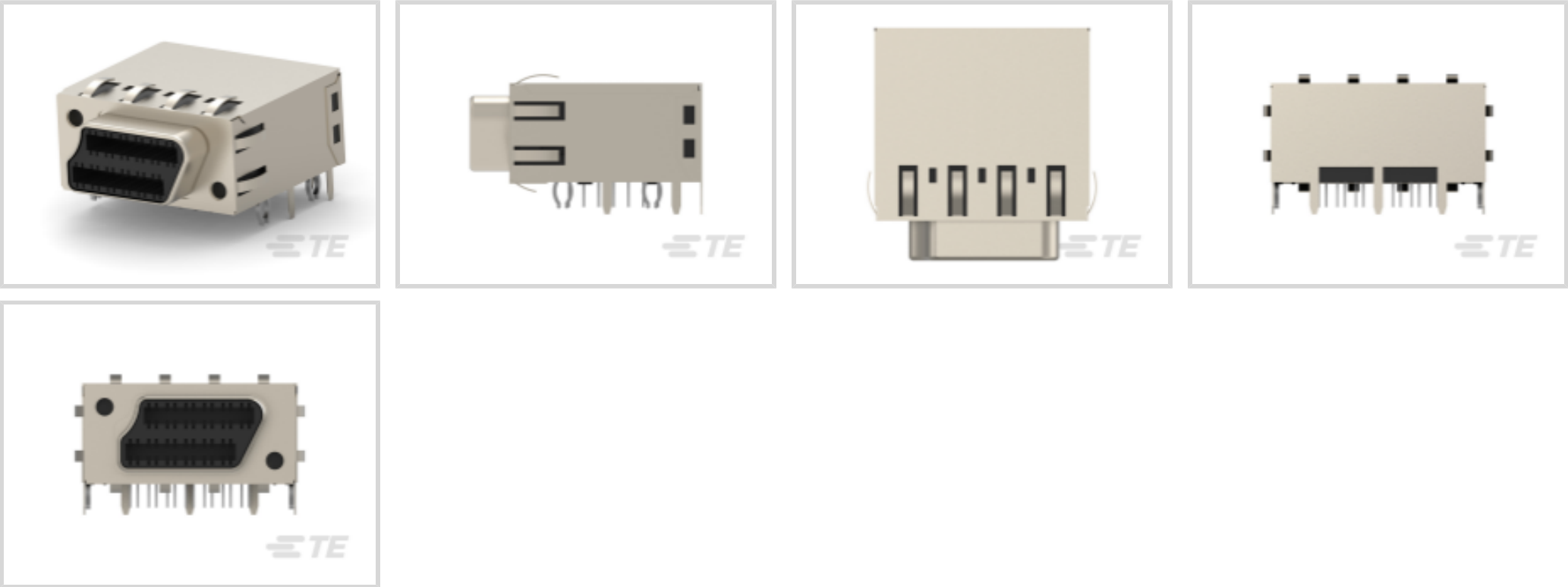
MRJ21

TE Internal #: 1761482-4

MRJ21, Standard Connector Contact Density, 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 \(3\)](#)

Features

Product Type Features

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

Configuration Features

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

Body Features



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

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	13.56 mm[.534 in]
PCB Thickness (Recommended)	1.6 mm[.063 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	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 #1-1337445-0
BNC Str PCB Skt 50Ohm Silver P



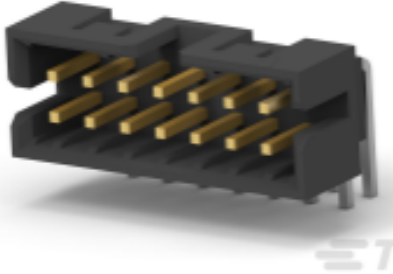
TE Part #1825258-2
SPDT SL SW R/A AU



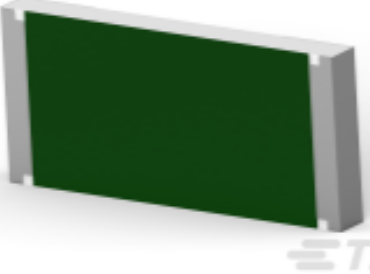
TE Part #1-1337452-0
BNC Ins BHSkt 50Ohm Nickel Gol



TE Part #4-1825136-9
A101SYZQ04



TE Part #1-2842250-4
14P,2MM,SHRD HDR,DRRT,0.76AU,TB



TE Part #8-2176403-2
3550 2K4 1%



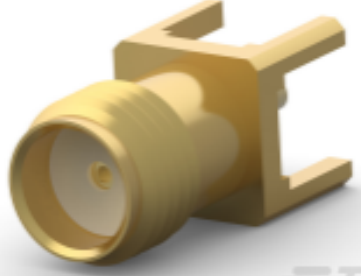
TE Part #5053052016
RNF-100-3/16-2-STK



TE Part #5070052031
RNF-100-3/16-X-STK



TE Part #1-1879445-7
TE 120W 22R 5% Bracket



TE Part #5-1814832-2
SMA Str PCB Skt GZD

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