

# MRJ21 Connector

## Assemblies: 48 Position



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### MRJ21 Connector Assemblies: 48 Position



Modular Jacks & Plugs Products: **MRJ21**

Connector Contact Density: **Standard**

Modular Connector Style: **Jack**

Shielded: **Yes**

Performance Category: **Cat 5e**

### Features

#### Product Type Features

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

#### Configuration Features

Number of PCB Ground Tabs	7
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

PCB Ground Tab Location (mm)	18.1, 21.47, 8.8
PCB Ground Tab Location (in)	.346, .712, .845
Shield Plating Material	Tin over Nickel
Shield Material	Brass

Modular Jack Latch Orientation	Standard - Latch Down
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#### Contact Features

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

#### Termination Features

Termination Post & Tail Length (mm)	3, 3.05, 4.5
Termination Post & Tail Length (in)	.118, .12, .177
Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder

#### 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) (mm)	2.5
Centerline (Pitch) (in)	.098

#### Dimensions

Connector Height (mm)	13.56
Connector Height (in)	.534
PCB Thickness (Recommended) (mm)	1.6, 2.36, 3.81
PCB Thickness (Recommended) (in)	.063, .093, .15

#### Usage Conditions

Operating Temperature Range (°C)	-55 - 85
Operating Temperature Range (°F)	-67 - 185

#### Operation/Application

Circuit Application	Signal
Shielded	Yes

#### Industry Standards



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

TE Internal Number	CAT-M8704-C76264
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 2)



MRJ21 48POS RCPT ASSY, W /O PAN

MRJ21 48POS RCPT ASSY, W /PANEL

MRJ21 48POS RCPT ASSY PRESS FI

MRJ21 48POS RCPT ASSY, INULATIO

TE Part #	1761482-1	1761482-2	1761482-4	1761715-1
Termination Method to Printed Circuit Board	Through Hole - Solder	Through Hole - Solder	Through Hole - Press-Fit	Through Hole - Solder
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant with Exemptions	EU ELV Compliant with Exemptions	EU ELV Compliant with Exemptions	EU ELV Compliant
Product Families	MRJ21	MRJ21	MRJ21	MRJ21

**\*EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**\*\*EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

## Products (2 of 2)



## MRJ21 48POS RCPT ASSY,PRESS FI

TE Part #	1761715-2
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
EU RoHS Directive 2011/65/EU	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	EU ELV Compliant
Product Families	MRJ21

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