

767094-6 ✓ ACTIVE

MICTOR

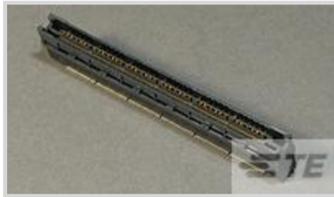
TE Internal #: 767094-6

PCB Mount Receptacle, Vertical, Board-to-Board, 228 Position, .64 mm [.025 in] Centerline, Fully Shrouded, Gold Flash over Palladium Nickel

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **228**

Centerline (Pitch): **.64 mm [.025 in]**

Features

Product Type Features

Ground Component Type	Ground Bus
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	6
Number of Columns	114
Number of Signal Positions	228
PCB Mount Orientation	Vertical
Number of Positions	228
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	2 MΩ
Impedance	50 Ω
Operating Voltage	6 VDC

Signal Characteristics



Differential Signaling	Yes
------------------------	-----

Data Rate	10 Gb/s
-----------	---------

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Layout	Inline
----------------	--------

Contact Shape & Form	Dual Beam
----------------------	-----------

Contact Underplating Material	Nickel
-------------------------------	--------

PCB Contact Termination Area Plating Material	Tin-Lead
-----------------------------------------------	----------

Contact Base Material	Copper Alloy
-----------------------	--------------

Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
--------------------------------------	----------------------------------

Contact Mating Area Plating Material Thickness	.12 μm [5 μin]
------------------------------------------------	---------------------------------------

Contact Type	Socket
--------------	--------

Contact Current Rating (Max)	11.5 A
------------------------------	--------

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
-----------------------------------------------	----------------

Rectangular Termination Post & Tail Width	.53 mm[.021 in]
-------------------------------------------	-----------------

Termination Method to Printed Circuit Board	Surface Mount
---------------------------------------------	---------------

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
--------------------------	----------------

Mating Retention	With
------------------	------

Mating Alignment	Without
------------------	---------

PCB Mount Retention	With
---------------------	------

PCB Mount Alignment	With
---------------------	------

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Mating Entry Location	Bottom
-----------------------	--------

Centerline (Pitch)	.64 mm[.025 in]
--------------------	-----------------

Housing Material	Liquid crystal polymer(LCP)
------------------	-----------------------------

Dimensions

Connector Length	88.9 mm[3.5 in]
------------------	-----------------

Connector Height	15.01 mm[.591 in]
------------------	-------------------



Connector Width	8 mm[.315 in]
Stack Height	15.62 mm, 18 mm, 20 mm, 21.6 mm, 27 mm, 27.8 mm, 29 mm, 31.9 mm[1.255 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Rating	Listed
Agency/Standard	CSA, UL
Approved Standards	CSA 1195944, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	6
Packaging Type	Box, Tube

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

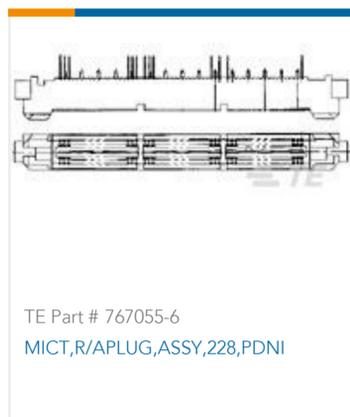
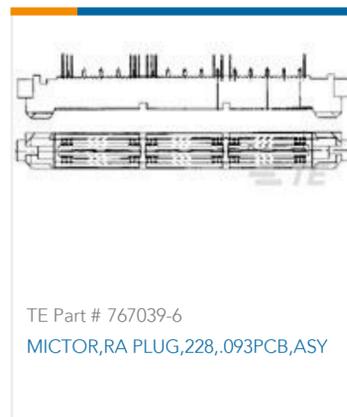
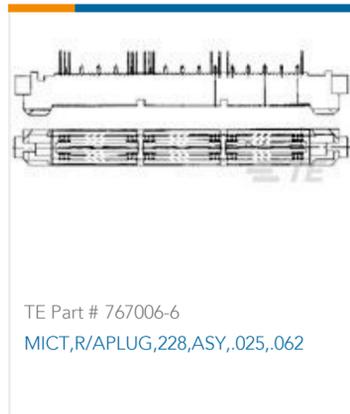
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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

MICT,RECPT,228,ASY,PDNI,EXTD



English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_767094-6_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_767094-6_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_767094-6_H.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[MICTOR Interconnection System](#)

English

Product Specifications

[Application Specification](#)

English