

4-794632-4 ✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

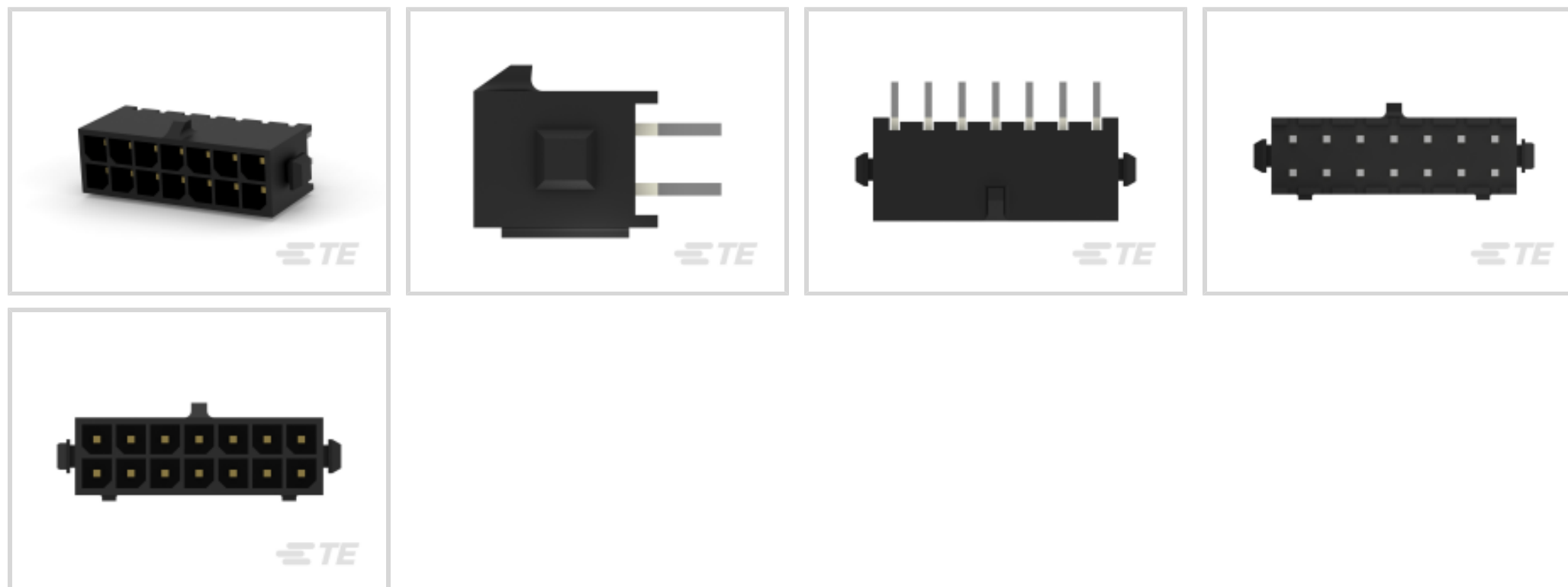
TE Internal #: 4-794632-4

PCB Mount Header, Vertical, Wire-to-Board, 14 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Micro MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **14**

Number of Rows: **2**

## Features

### Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

### Dimensions

Row-to-Row Spacing	3 mm[.118 in]
Connector Width	8.67 mm[.341 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.24 mm[.364 in]
Connector Length	25 mm[.984 in]

### Packaging Features

Packaging Quantity	143
Packaging Method	Tray

### Industry Standards

Compatible With Agency/Standards Products	USR, CNR
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476



Glow Wire Rating	GWT 750°C (Without Flame)
------------------	---------------------------

UL Flammability Rating	UL 94V-0
------------------------	----------

### Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
-----------------------------	----------------

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
-----------------------------	----------------------------

### Mechanical Attachment

Panel Mount Feature	Without
---------------------	---------

Mating Retention Type	Locking Tab
-----------------------	-------------

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

Mating Alignment Type	Polarization
-----------------------	--------------

PCB Mount Retention Type	Retention Bump
--------------------------	----------------

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

PCB Mount Alignment	Without
---------------------	---------

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

Mating Alignment	With
------------------	------

### Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
--------------------------------	------------------

Square Termination Post & Tail Dimension	.64 mm[.025 in]
--	-----------------

Termination Method to PCB	Through Hole - Solder
---------------------------	-----------------------

### Contact Features

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

Contact Underplating Material Thickness	1.27 – 2.54 µm[50 – 100 µin]
---	------------------------------

Contact Size	.64mm
--------------	-------

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
--	----------------

Mating Square Post Dimension	.64 mm[.025 in]
------------------------------	-----------------

PCB Contact Termination Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
---	-------------------------------

Contact Shape & Form	Square
----------------------	--------

Contact Layout	Matrix
----------------	--------

Contact Mating Area Length	4.15 mm[.163 in]
----------------------------	------------------

Contact Base Material	Brass
-----------------------	-------

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

Contact Mating Area Plating Material	Gold
--------------------------------------	------



Contact Type	Tab
--------------	-----

Contact Current Rating (Max)	5 A
------------------------------	-----

### Housing Features

Mating Entry Location	Top
-----------------------	-----

Housing Material	High Temperature Nylon
------------------	------------------------

Centerline (Pitch)	3 mm [.118 in]
--------------------	----------------

### Configuration Features

Number of Columns	7
-------------------	---

Number of Loaded Positions	14
----------------------------	----

Number of Power Positions	14
---------------------------	----

Connector Contact Load Condition	Fully Loaded
----------------------------------	--------------

PCB Mount Orientation	Vertical
-----------------------	----------

Number of Positions	14
---------------------	----

Number of Rows	2
----------------	---

### Product Type Features

Mixed & Hybrid Header	No
-----------------------	----

Connector Shape	Rectangular
-----------------	-------------

PCB Connector Assembly Type	PCB Mount Header
-----------------------------	------------------

Connector System	Wire-to-Board
------------------	---------------

Header Type	Fully Shrouded
-------------	----------------

Sealable	No
----------	----

Connector & Contact Terminates To	Printed Circuit Board
-----------------------------------	-----------------------

### Body Features

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

### Operation/Application

Circuit Application	Power
---------------------	-------

### Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

### 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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>

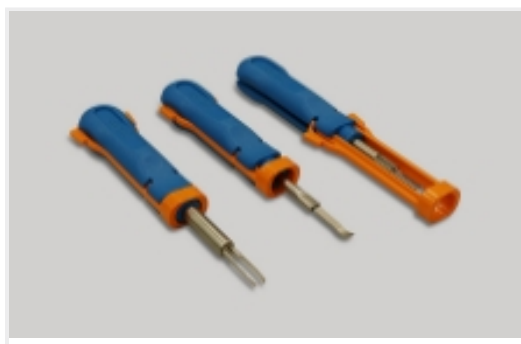
## Compatible Parts



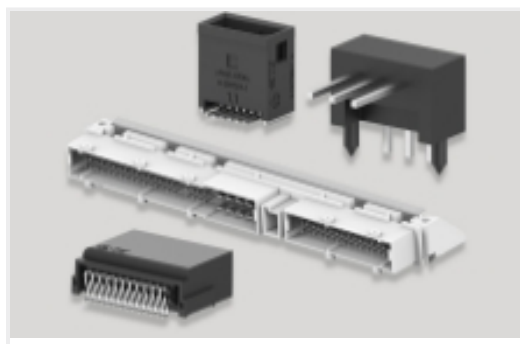
## Also in the Series | [Micro MATE-N-LOK](#)



Connector Contacts(27)



Insertion & Extraction Tools(1)



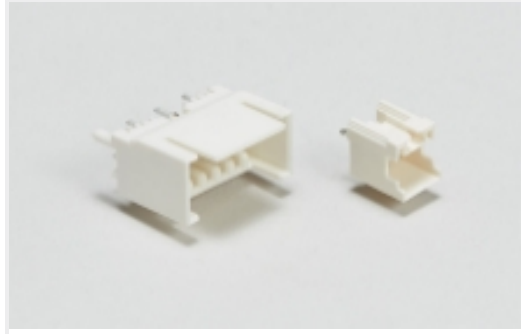
PCB Headers & Receptacles(371)



Power Contacts(27)

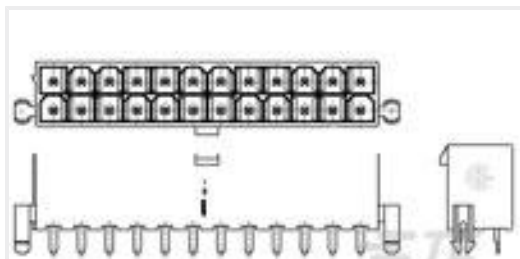


Rectangular Power Connectors(98)



Wire-to-Board Headers & Receptacles (371)

## Customers Also Bought



TE Part #1586039-8  
8P VAL-U-LOK VRT HDR W/P V2



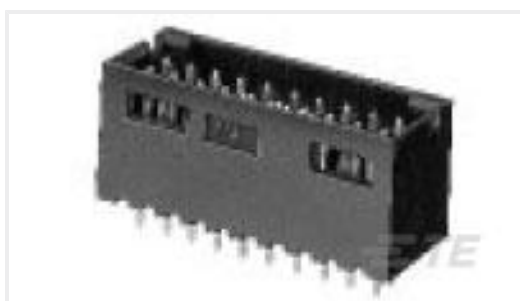
TE Part #640445-7  
07P MTA156 HDR ASSY FL/STR SN



TE Part #6-1415054-1  
SR4M4110



TE Part #4-794619-6  
16P MICRO MNL ASSY,R/A,HDR LF



TE Part #6-103168-1  
26 MODII HDR DRST SHRD .100CL



TE Part #5-104363-5  
06 MTE HDR SRST LATCH .100CL



TE Part #5499913-2  
A/L UNIV HDR 14P RA SHT LAT



TE Part #5-794632-0  
20P MICRO MNL ASSY,VRT,HDR,LF



TE Part #3-794632-6  
06P MICRO MNL ASSY,VRT,HDR,LF



TE Part #4-1393763-4  
V23100V4505A000

## Documents



### Product Drawings

[14P MICRO MNL ASSY,VRT,HDR,LF](#)

English

---

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794632-4\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794632-4\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794632-4\\_G.3d\\_stp.zip](#)

English

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

---

### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

---

### Product Specifications

[Application Specification](#)

English

---

### Agency Approvals

[VDE Certificate](#)

English