

06P UMNL HDR ASSY POL 94VO

✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

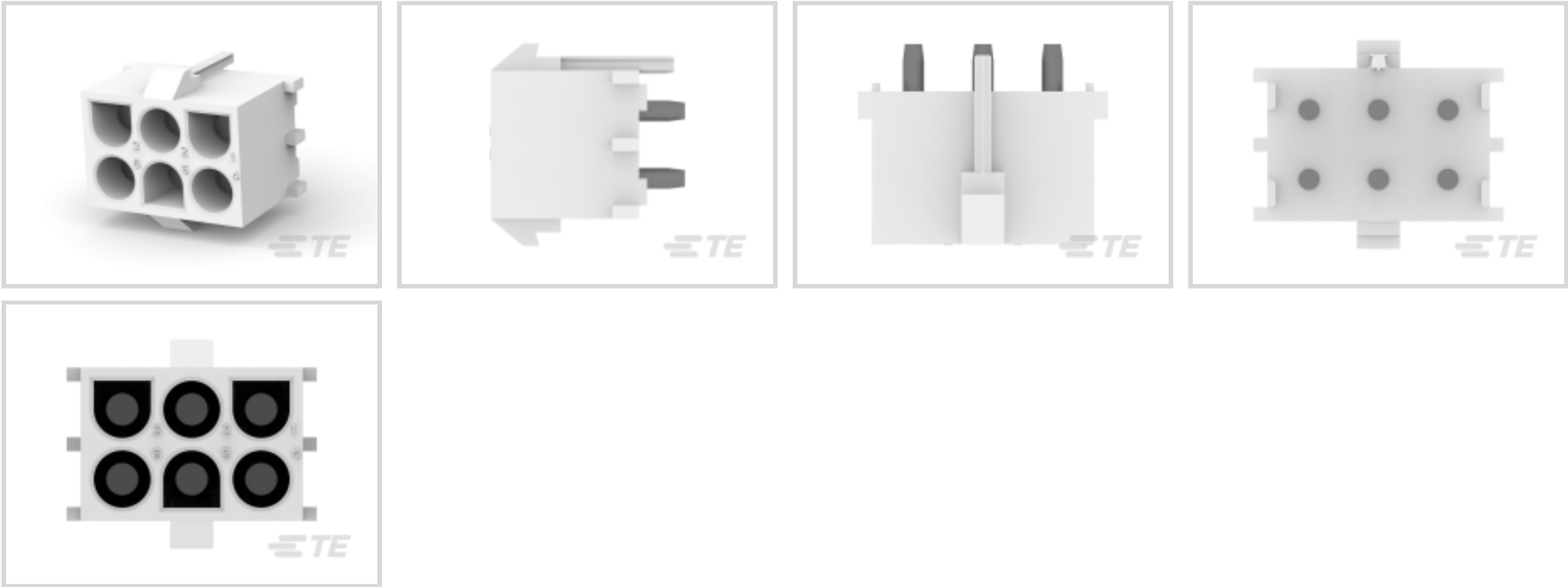
TE Part # 643424-1

TE Internal #: 643424-1

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Product Type	Header
Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Pin

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Rows	2
Row-to-Row Spacing	.25 mm[6.35 in]

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Contact Layout	Matrix
Multiple Contact Types	Without
Contact Current Rating (Max)	12 A
Contact Retention	Without
Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Post & Tail Length	3.81 mm[.149 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
PCB Mount Alignment Type	Standard Polarized Tail
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Positive Lock

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
UL Flammability Rating	UL 94V-0
Housing Color	Natural
Housing Material	Nylon

Dimensions

Width	20.32 mm
PCB Thickness (Recommended)	3.18 mm[.125 in]
Height	13.97 mm
Length	20.32 mm

Usage Conditions

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

Assembly Integration Feature	Without
Circuit Application	Power

Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	Yes

Packaging Features

Packaging Method	Bag/Box
Packaging Quantity	100

Other

For Use With	Mates with Plug Housing (Using Pin Contacts)
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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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

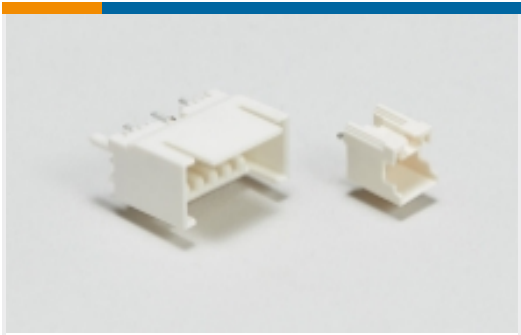
TE Part # 350848-6 06P UMNL PLUG TEST ASSY 94VO	TE Part # 770020-1 06P UMNLI IN-LNE PLUG HSG KIT	TE Part # 350715-1 06P UMNL PLUG HSG

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors (2)	Connector Contacts(11)	Power Contacts(208)	Rectangular Boots & Strain Relief(35)
Rectangular Connector Adapters(7)	Rectangular Connector Housings(3)	Rectangular Connector Keying Plugs(3)	Rectangular Connector Seals(26)



Rectangular Power Connectors(717)



Wire-to-Board Headers & Receptacles(3)

Customers Also Bought



TE Part #106081-1
2MM HM, HEADER, TYPE C



TE Part #641970-1
06P UMNL PIN HDR ASSY 94VO



TE Part #643414-1
03P UMNL HDR ASSY POL 94VO



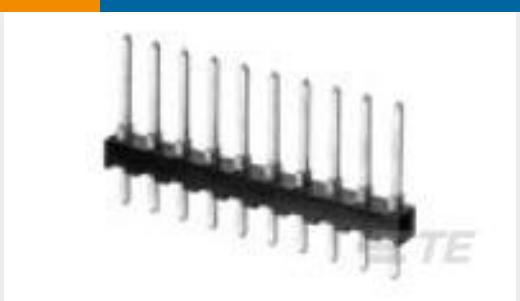
TE Part #643426-1
09P UMNL SOK HDR ASSY POL 94VO



TE Part #786585-3
50SR SCREWLOCK KIT, BULK,FEMAL



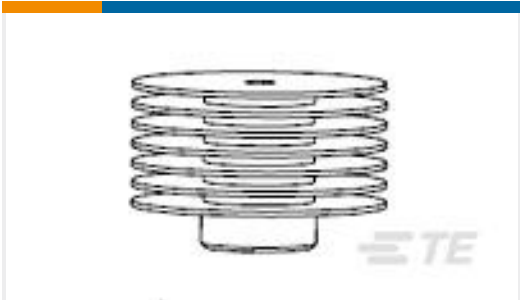
TE Part #499141-3
016 UNIV HDR RA 4S 30DP STD L1



TE Part #5-87348-2
02 MODII HDR SRST UNSHRD .100



TE Part #102154-8
034 UNIV HDR SP 4S 30DP STD



TE Part #5-1542007-9
29MM HS ASSY ULTEM CLIP



TE Part #6116000-3
STK MJ,2X6,SHLD,PNL GND,CAT5

Documents

Product Drawings

06P UMNL HDR ASSY POL 94VO

English

CAD Files

Customer View Model

ENG_CVM_643424-1_H.3d_igs.zip

English

Customer View Model



[ENG_CVM_643424-1_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_643424-1_H.2d_dxf.zip](#)

English

3D PDF

English

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_643424-1_11062017115_dmtec](#)

English

[MD_643424-1_11062017115_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English