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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **22**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	22
PCB Mount Orientation	Vertical
Number of Power Positions	22
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Chamfered Edges
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Connector Height	13.49 mm
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	9.83 mm
Product Length	47.09 mm



Wire Size	100.5 – 2853 CMA
Row-to-Row Spacing	4.14 mm[.163 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	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 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 # 770586-1
22P MINI UMN1 PLUG HSG

TE Part # 794212-1
22P MINI UMN12 PLUG HSG UL94V0

Also in the Series | Mini-Universal MATE-N-LOK

Connector Contacts(8)

Connector Seals & Cavity Plugs(17)

Connector Strain Relief(4)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(1)

Power Contacts(84)

Rectangular Connector Keying Plugs(2)

Rectangular Connector Locking(2)

Rectangular Power Connectors(244)



Customers Also Bought



TE Part #5747844-6
09 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #3-5332070-5
SOCKET,MIN-SPR W/KO SN-AU S-4



TE Part #1761606-9
IDC LOW PRO HDR 26P VERT LG LA



TE Part #1-794072-0
24P MINI UMNL HDR W/DH SN



TE Part #350789-1
03P UMNL PIN HDR ASSY 94VO



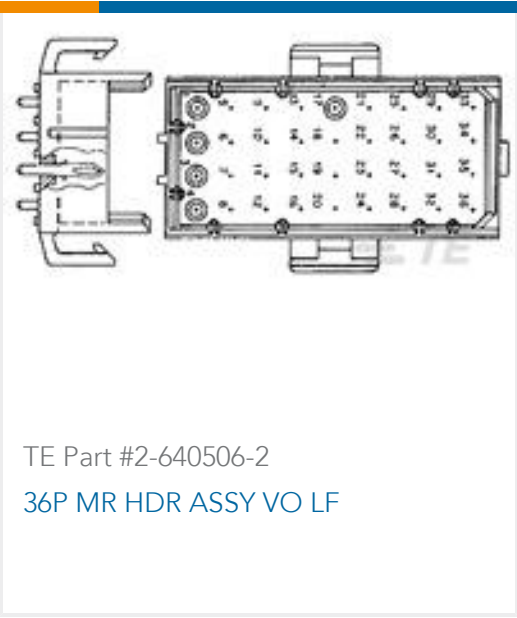
TE Part #1857989-1
Z-PACK/A F-HDR.110P EON



TE Part #2-1879215-8
CPF 0402 7K87 0.1% 25PPM 1K RL



TE Part #7-2176088-3
RP 1J 0.166W 5K11 0.1% 25PPM 1K RL



TE Part #2-640506-2
36P MR HDR ASSY VO LF



TE Part #2-1393659-6
V42254B1201R480=PC612 MESSERLE

Documents

Product Drawings
22P MINI UMNL HDR W/DH AU LF
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-794071-1_E.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-794071-1_E.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-794071-1_E.3d_stp.zip
English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1-794071-1_02262016930_dmtec](#)

English

[MD_1-794071-1_02262016930_dmtec](#)

English

Instruction Sheets

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

English