



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel, Perpendicular
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	10 A

Termination Features

Termination Post & Tail Length	4.15 mm[.163 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Mating Entry Location	Top
Housing Material	Polyester
Centerline (Pitch)	3 mm[.118 in]

Dimensions

Connector Width	11.35 mm[.447 in]
PCB Thickness (Recommended)	1.8 mm[.07 in]
Connector Height	12.15 mm[.478 in]



Connector Length	9.5 mm[.374 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	60
Packaging Method	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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 5223990-1
UNIV POWER MOD, R/A HEADER



TE Part # 5120912-1
UPM MALE ASSEMBLY, SEQUENCED



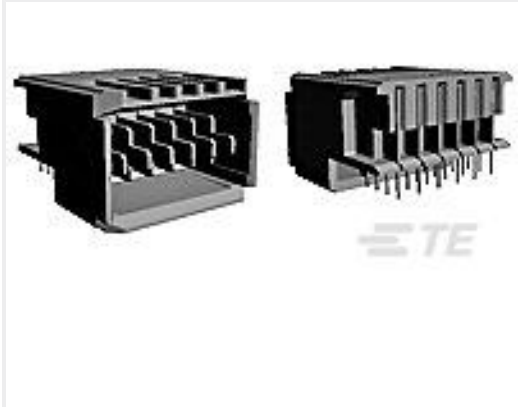
TE Part # 5223981-1
UNIV POWER MODULE R/A HEADER



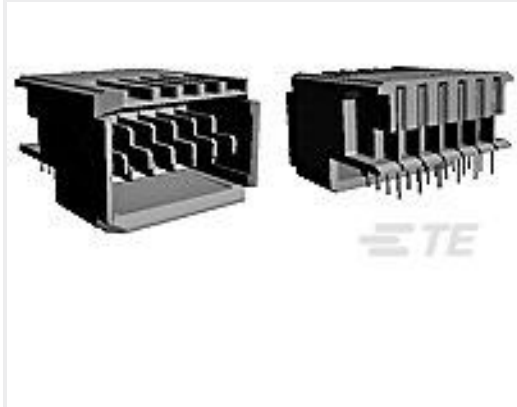
TE Part # 5223963-1
TE UPM R/A Header 3P STD Power, MLM



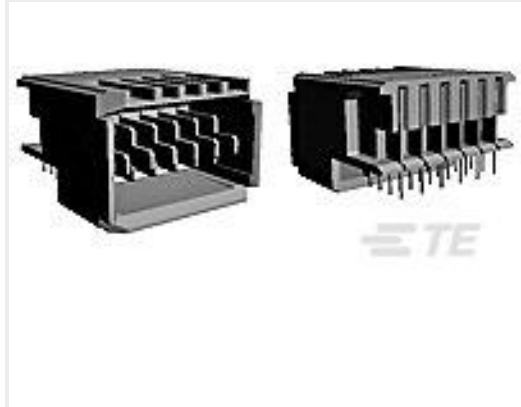
TE Part # 5223961-1
TE UPM R/A Header 3P STD Power, LLL



TE Part # 5223975-1
UNIV POWER MOD R/A HEADER



TE Part # 5223993-1
UNV,PWR,MDL,ASY,R/A,HDR



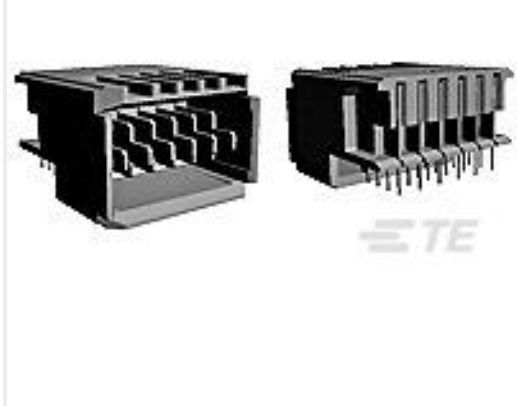
TE Part # 5120938-1
UPM R/A Header STD 3P Conn, Sequence SLL



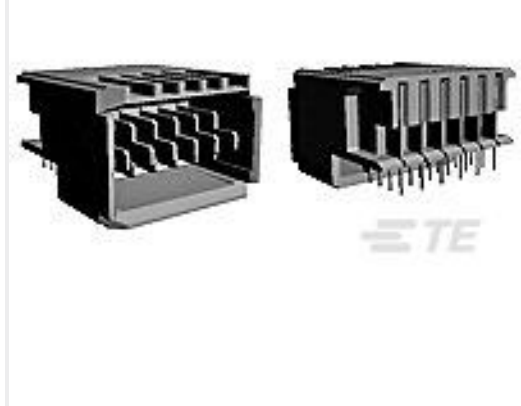
TE Part # 5223964-1
UNV,PWR,MDL,HDR,SEQ



TE Part # 5223977-1
UNIV. POWER MODULE R/A HEADER



TE Part # 5223972-1
UNIV. POWER MODULE R/A HEADER



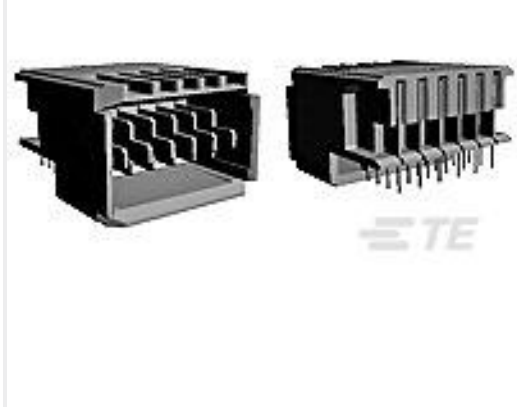
TE Part # 5223968-1
TE UPM R/A Header 3P STD Power, LMM



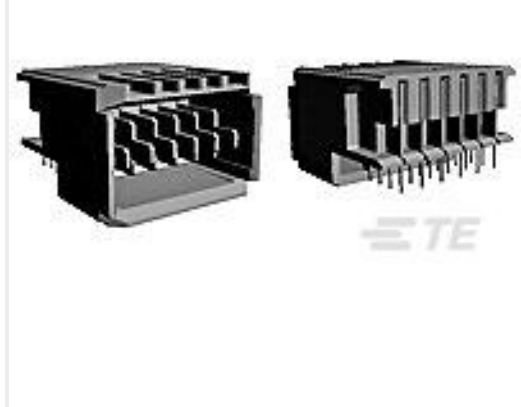
TE Part # 5223974-1
UNV,PWR,MDL,ASY,HDR,LEV 2



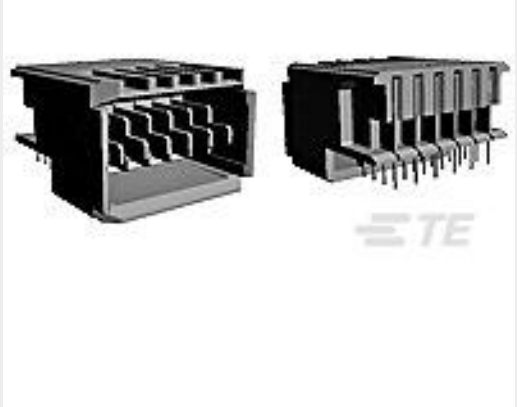
TE Part # 5-1645618-1
UPM R/A Header 3P HC Power Conn. LLL



TE Part # 5223965-1
UNV PWR MDL ASY HDR SEQ



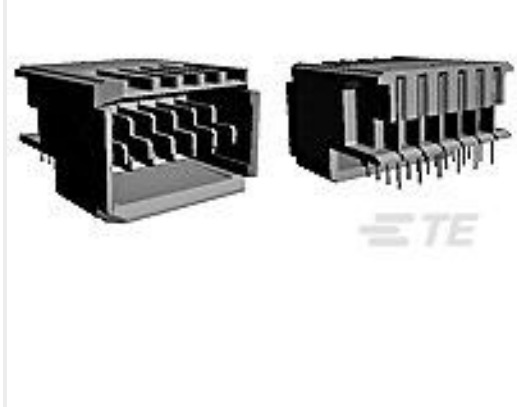
TE Part # 5223962-1
UNV PWR MDL ASY HDR SEQ



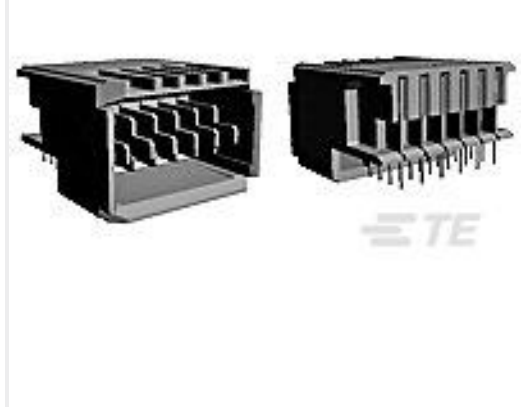
TE Part # 5223991-1
UNIV. POWER MODULE R/A HEADER



TE Part # 5223961-8
UNV,PWR,MDL,HDR,R-PEGS



TE Part # 5223987-1
UNV,PWR,MDL,RA,HDR



TE Part # 5223964-6
UNV,PWR,MDL,HDR,SEQ

Customers Also Bought





TE Part #1934346-1
Tin Man Header Assy 3x16 Double



TE Part #1367646-4
Heatsink clip Stamped and Form



TE Part #1473668-1
KIT D-5 (D-5 DYNA-CLAMP 3P)



TE Part #6469169-1
HMZD 2PR RA HDR 40P



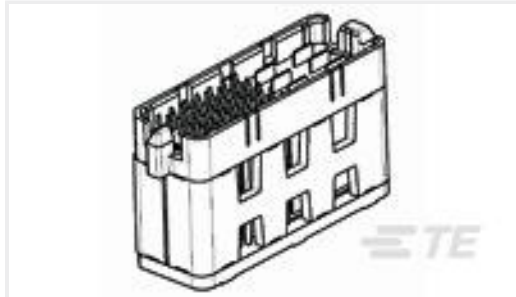
TE Part #6469076-1
HM-ZD 2PR HDR ASSY 1.8MM



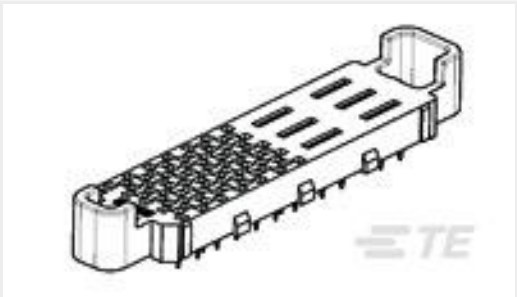
TE Part #2201945-1
RECEPTACLE ASSEMBLY, 5 PAIR, 8 COLUMN



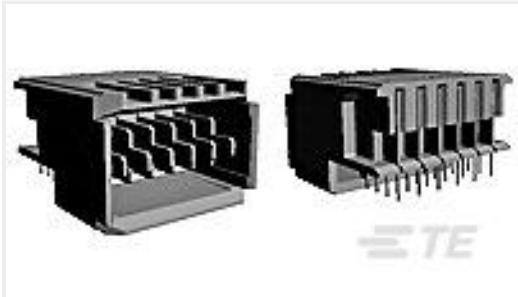
TE Part #1123829-1
DYNAMIC D-5200 HDR H ASSY 8P



TE Part #8-2180760-7
STRADA MESA,HD,HF,024,000,06,SN,Y,37



TE Part #5-2180761-1
STRADA MESA,RC,HF,024,000,06,SN,Y,NA



TE Part #5223972-1
UNIV. POWER MODULE R/A HEADER

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5223955-2_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5223955-2_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5223955-2_A2.3d_stp.zip

English

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

Datasheets & Catalog Pages

High Speed Backplane Connectors catalog - Z-PACK HS3 Connector

English

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English



2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English