1-1586039-4 ✔ ACTIVE

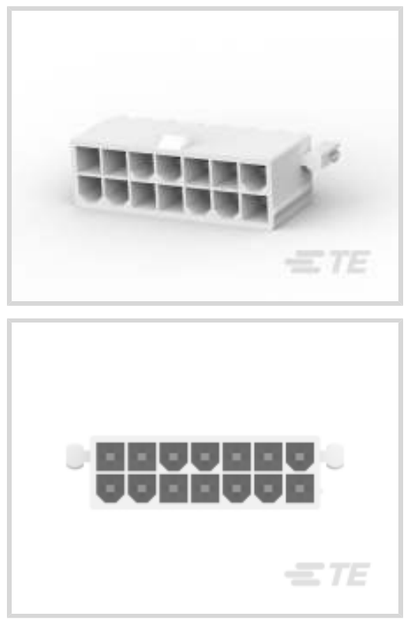
VAL-U-LOK

TE Internal #: 1-1586039-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 14 Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-2

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors




Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **14**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	14
PCB Mount Orientation	Vertical
Number of Power Positions	14
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Inline, Matrix

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	9 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	PA 66

Dimensions

Compatible Insulation Diameter (Max)	2.39 mm[2.39 in]
Connector Height	12.8 mm[.504 in]
PCB Thickness (Recommended)	.07 mm[1.78 in]
Product Width	9.75 mm[.384 in]
Product Length	30.6 mm[1.204 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Identification Marking

Circuit Identification Feature	With

Industry Standards

CSA Rating	208567
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	165
Packaging Method	Box & Tray, Tray

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	Out of Scope
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: JUL 2021 (219) 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

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

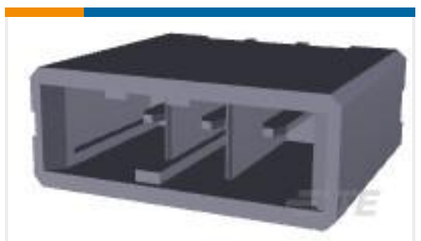
Compatible Parts

TE Part # 1-794954-4
14P RCPT VAL-U-LOK V2

TE Part # 1-1969605-4
14P PM PLUG VAL-U-LOK PM GW

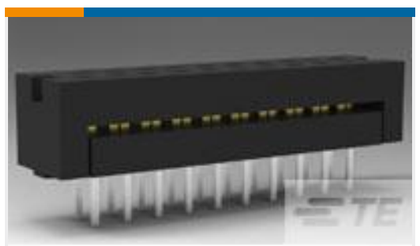
TE Part # 1-1969604-4
14P FH PLUG VAL-U-LOK FH GW

Customers Also Bought

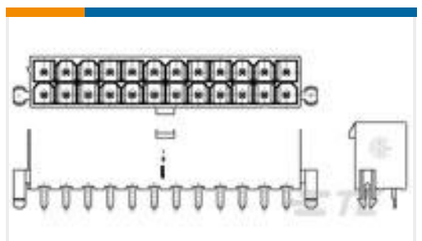


TE Part #1-178136-3
DYNAMIC D3200 HDR V ASSY 3P

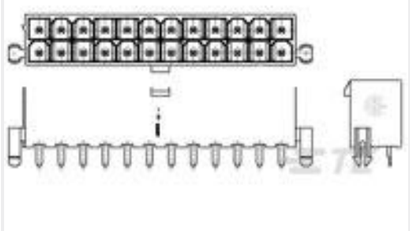
TE Part #1462041-3
IMB06CGR=IM RELAY 140mW 12V HDV



TE Part #1-746610-9
40 DIP PLUG, 100CL, LEAD FREE



TE Part #1586039-4
4P VAL-U-LOK VRT HDR W/P V2



TE Part #2-1586039-4
24P VAL-U-LOK VRT HDR W/P V2

TE Part #5555153-6
MJ,LPF,R/A,8P,PCBG,PSTP.09TTR

TE Part #2-2319847-2
END STACK DIP 1P G RAISED T&R

TE Part #9-2176093-8
RP 2A 0.25W 110K 0.1% 25PPM 1K RL

Documents

Product Drawings

14P VAL-U-LOK VRT HDR W/P V2

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-1586039-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_1-1586039-4_B.3d_stp.zip

English

Customer View Model

ENG_CVM_1-1586039-4_B.2d_dxf.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English