1-87977-0 ✔ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 1-87977-0

24 Position, Receptacle, Housing, Crimp, Wire-to-Board, UL 94V-0, 2.54 mm [.1 in] Centerline, 2 Row, 250 VAC, Wire & Cable, Signal, AMPMODU IV/V

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Detent Latching**

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

UL Flammability Rating: **UL 94V-0**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	24
Number of Rows	2

Electrical Characteristics

Termination Resistance	12 mΩ
Dielectric Withstanding Voltage (Max)	750 V
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Base Material	Beryllium Copper
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Mating Retention Type	Detent Latching
Mating Retention	With

Housing Features

Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Nylon GF

Dimensions

Connector Height	6.1 mm[.24 in]
Connector Length	30.48 mm[1.2 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Package
Packaging Quantity	1

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

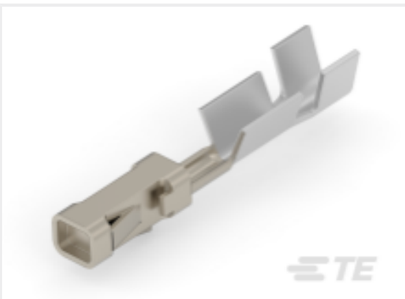
Compatible Parts

TE Part # 5-103167-9
24 MODII HDR DRRA SHRD LF

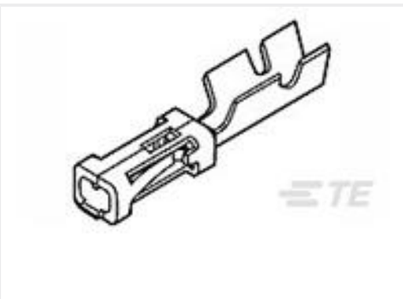
TE Part # 5-102920-1
MOD IV RECP PLTD 30 DPLX LF

TE Part # 1-103168-0
24 MODII HDR DRST SHRD .100CL

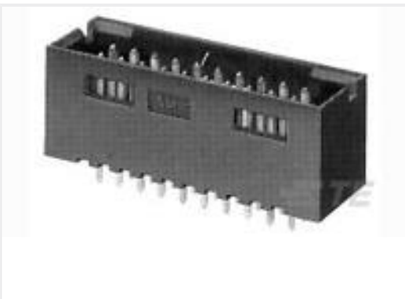
TE Part # 102548-5
MOD IV RECP PLTD 30 SEL



TE Part # 6-87756-2
MOD IV RECP PLTD 15 DPLX LF



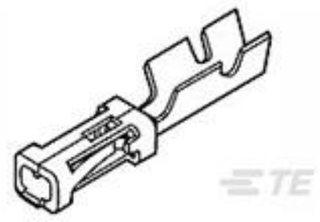
TE Part # 102917-5
MOD IV RECP PLTD 15 SEL



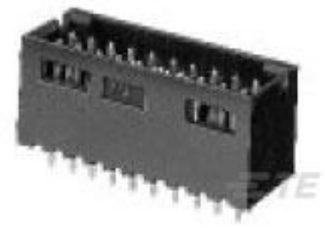
TE Part # 6-103169-0
24 MODII HDR DRST SHRD .100CL

TE Part # 87309-9
MOD V RECP PLTD 30 AU

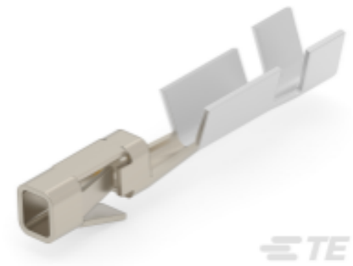
TE Part # 87666-2
MOD IV RECP PLTD 30 SEL



TE Part # 102316-6
MOD IV RECP PLTD 15 DPLX



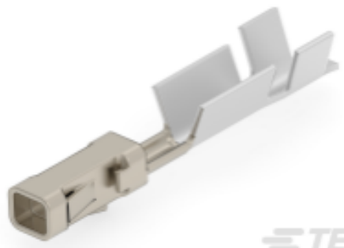
TE Part # 1-102618-0
24 MODII HDR DRST SHRD .100CL



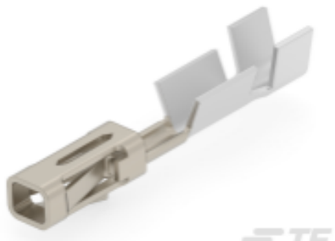
TE Part # 2-87195-4
MOD IV RECP PLTE 15 DPLX

TE Part # 6-103168-0
24 MODII HDR DRST SHRD .100CL

TE Part # 6-102618-0
24 MODII HDR DRST SHRD .100CL

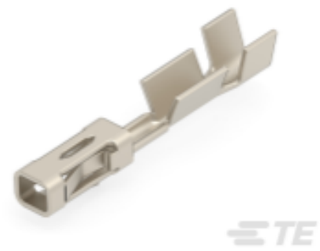


TE Part # 2-87523-3
MOD IV RECP PLTD 15 DPLX

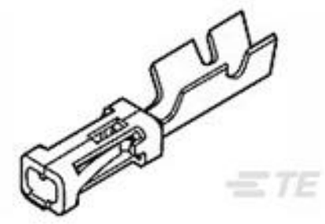


TE Part # 5-103171-4
MOD IV RECP PLTD 30 DPLX LF

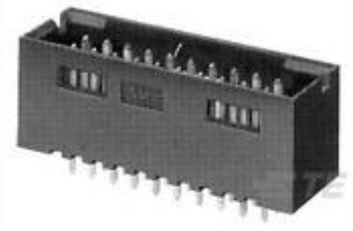
TE Part # 87756-6
MOD IV RECP PLTD SN



TE Part # 87809-1
MOD V RECP PLTD 30 AU

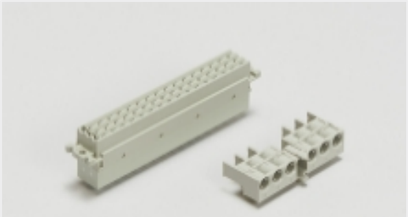


TE Part # 85969-8
MOD IV RECP PLTD 30 SEL



TE Part # 1-103169-0
24 MODII HDR DRST SHRD .100CL

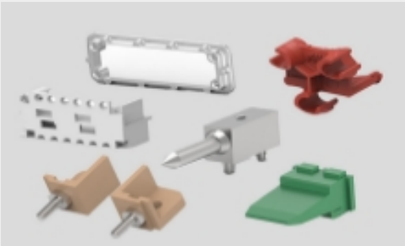
Also in the Series | AMPMODU IV/V



Backplane Connector Housings(1)

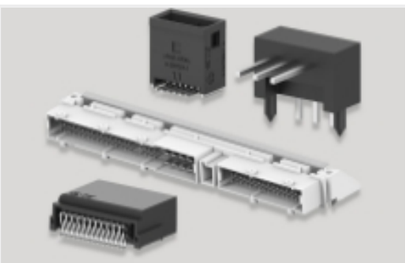
Connector Caps & Covers(5)

Connector Contacts(179)



Connector Hardware(8)

Insertion & Extraction Tools(4)



PCB Headers & Receptacles(125)

Power Contacts(140)

Customers Also Bought

TE Part #CM9834-000
MT-LWA-.047-X-SP

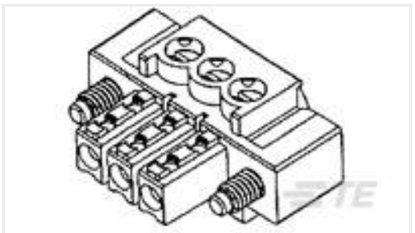
TE Part #7755894002
MT2000-1.0-X-SP

TE Part #1966954002
MT2000-2.0-X-SP

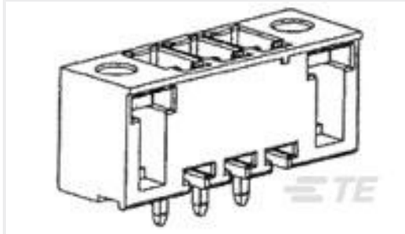
TE Part #CM9833-000
MT-LWA-.063-X-SP

TE Part #66565-7
III+ SKT,24-20,TIN,LP

TE Part #5-104071-4
20 SYSTEM 50 HDR SRST SHRD SN



TE Part #284510-2
2P TERMI-BLOK PLUG CON VITI



TE Part #284516-2
2P TERMIBLOK HDR DIR C VITI

TE Part #2-487545-2
025 HOUSING FFC RCPT 050CL SR

TE Part #2013595-1
INDUSTRIAL MINI I/O PLUG KIT D1

Documents

CAD Files

3D PDF

English

Customer View Model
ENG_CVM_1-87977-0_S.2d_dxf.zip

English

Customer View Model
ENG_CVM_1-87977-0_S.3d_igs.zip

English

Customer View Model
ENG_CVM_1-87977-0_S.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_1-87977-0_AC.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-87977-0_AC.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-87977-0_AC.2d_dxf.zip

English

3D PDF

3D

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English