3-87456-9 ✔ ACTIVE

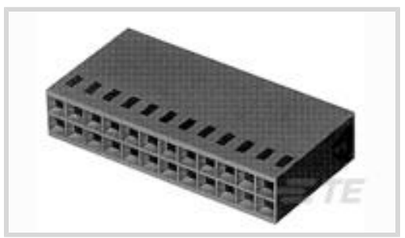
AMPMODU | AMPMODU IV/V

TE Internal #: 3-87456-9

AMPMODU IV/V, Housing, Receptacle, Wire-to-Board, 50 Position, 2.54mm [.1in] Centerline, Crimp, 2 Row, Row-to-Row Spacing .1 in [2.54 mm]

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

Centerline (Pitch): **2.54 mm [.1 in]**

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	50
Number of Rows	2

Electrical Characteristics

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

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Mating Retention	Without

Housing Features

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

Dimensions

Connector Length	63.63 mm[2.51 in]
Connector Height	6.1 mm[.24 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

Glow Wire Rating	Standard Part - Not Glow Wire
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Other

Comment	Contact Extraction/Lance Reset Tool No. 843996-3., No marking on this part number., Strain reliefs are available and may be purchased separately.

Product Compliance

For compliance documentation, visit the product page on TE.com>

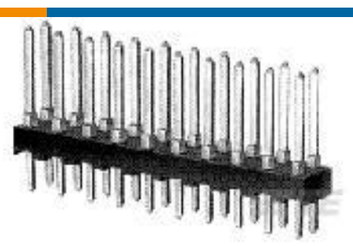
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Out of Scope - excluded from Halogen requirements
Solder Process Capability	Not applicable for solder process capability

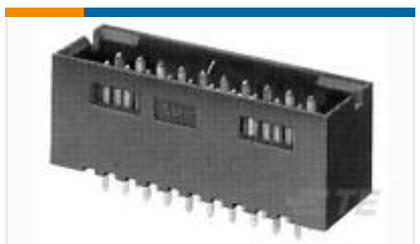
Product Compliance Disclaimer

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

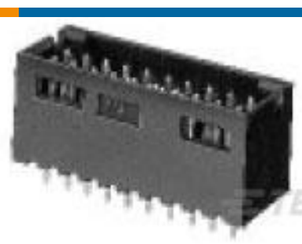
Compatible Parts



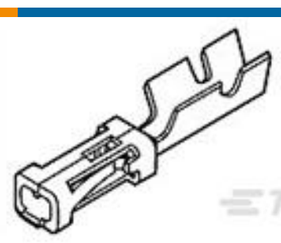
TE Part # 2-87215-5
50 MODII HDR DRST UNSHRD .100



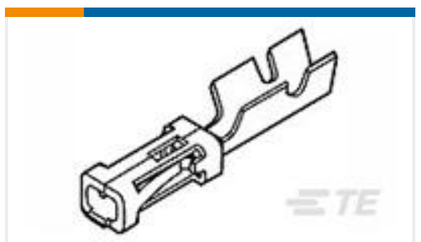
TE Part # 7-103169-3
50 MODII HDR DRST SHRD .100CL



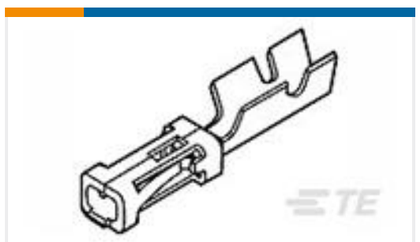
TE Part # 2-102618-3
50 MODII HDR DRST SHRD .100CL



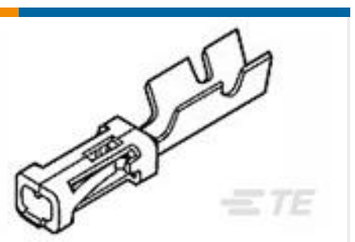
TE Part # 87666-2
MOD IV RECP PLTD 30 SEL



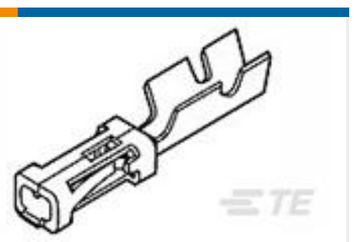
TE Part # 6-87756-7
MOD IV REC STP INT'L SPEC REEL



TE Part # 87756-6
MOD IV RECP PLTD SN

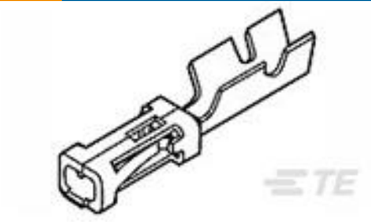


TE Part # 2-87195-4
MOD IV RECP PLTE 15 DPLX

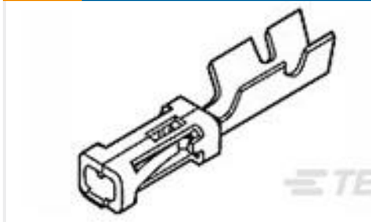


TE Part # 87809-1
MOD V RECP PLTD 30 AU

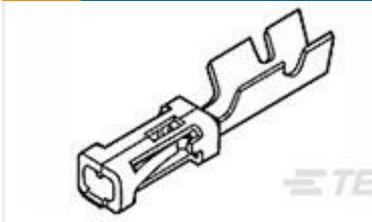
AMPMODU IV/V, Housing, Receptacle, Wire-to-Board, 50 Position, 2.54mm [.1in] Centerline, Crimp, 2 Row, Row-to-Row Spacing .1 in [2.54 mm]



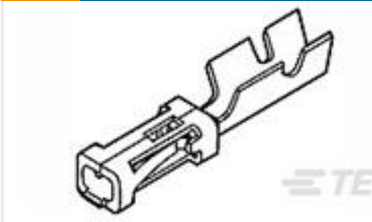
TE Part # 6-87756-2
MOD IV RECP PLTD 15 DPLX LF



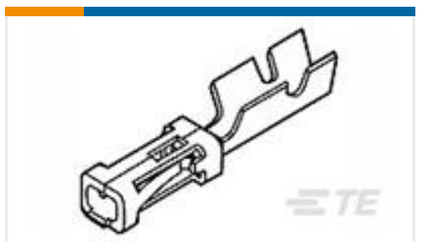
TE Part # 87309-9
MOD V RECP PLTD 30 AU



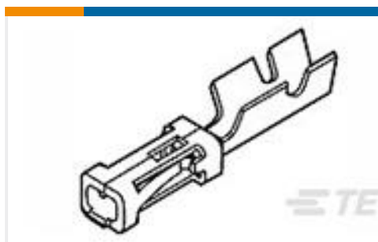
TE Part # 102917-5
MOD IV RECP PLTD 15 SEL



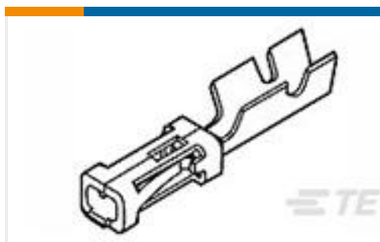
TE Part # 87523-5
MOD IV RECP PLTD SN



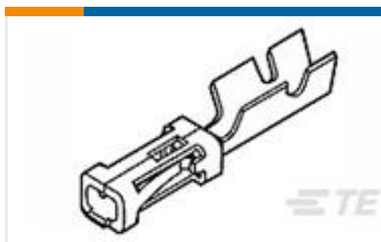
TE Part # 102548-5
MOD IV RECP PLTD 30 SEL



TE Part # 87309-8
MOD V RECP PLTD SN



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



TE Part # 87666-3
MOD IV RECP PLTD SN



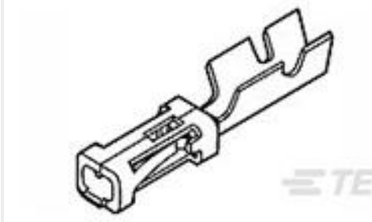
TE Part # 2-87230-5
50 MODII HDR DRRA UNSHRD .100



TE Part # 7-87589-1
50 MODII HDR DRST SHRD .100CL



TE Part # 2-86479-9
50 MODII HDR DRRA UNSHRD .100



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

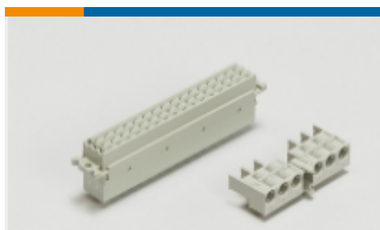
Also in the Series | AMPMODU IV/V



Automotive Headers(2)



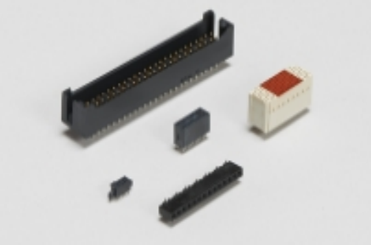
Automotive Housings(4)



Backplane Connector Housings(1)



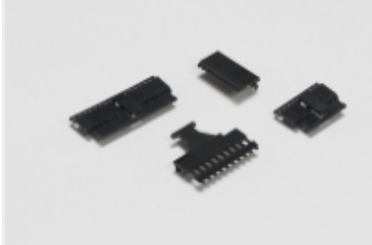
Board-to-Board Connector Contacts(6)



Board-to-Board Headers & Receptacles(937)



Insertion & Extraction Tools(4)



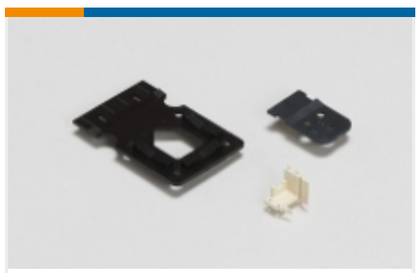
PCB Connector Covers(18)



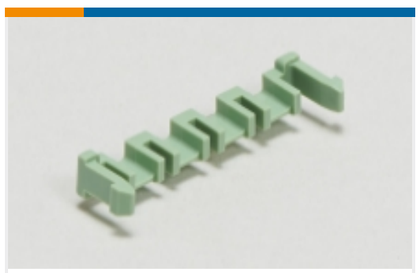
PCB Connector Keying(6)



PCB Connector Mounting(1)



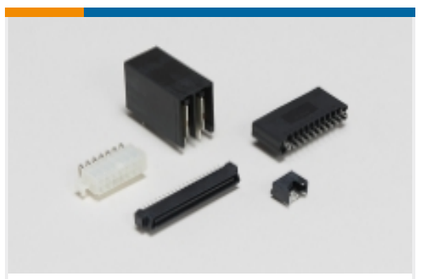
PCB Connector Strain Relief(3)



PCB Latches, Locks & Retainers(9)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(472)



Wire-to-Board Connector Contacts (328)

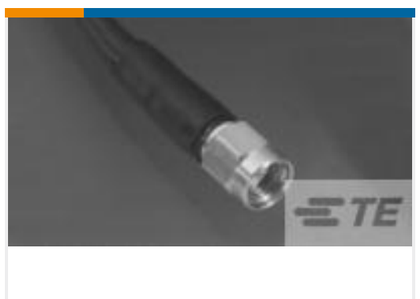
Customers Also Bought



TE Part #1-5499374-0
AMP-LATCH UNIVERSAL HEADERS



TE Part #1-480424-9
04P CMNL PLUG HSG F/H BLK



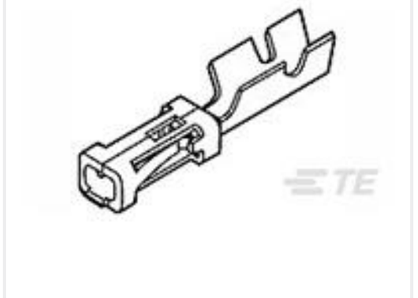
TE Part #1051654-1
2031 5006 00 KIT, OSM STR PLUG



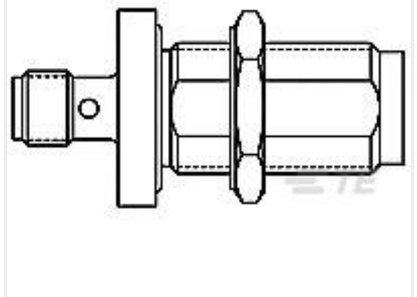
TE Part #103328-7
14 MODII HDR DRST B/A .100CL



TE Part #DTS26F09-35PB
Straight Plug: D38999, 09-35 Insert, Electroless Nickel Plating



TE Part #102548-6
MOD IV RECP LP



TE Part #1057908-1
3184 2240 00

TE Part #11030572-00
BL CLS 2, 8'SENSOR/300'

TE Part #11029080-00
BL CLS 1, 6'SENSOR/300' CABLE

TE Part #10206533-00

Documents

Product Drawings

50 MODIV HSG COMP DR .100CL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_3-87456-9_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_3-87456-9_P.3d_igs.zip

English

Customer View Model

ENG_CVM_3-87456-9_P.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Product Specifications

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English