

87986-6 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 87986-6

PCB Mount Receptacle, Vertical, Board-to-Board, 6 Position, .156 in [3.96 mm] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU MOD 1

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Product Type Features

Applied Pressure	Standard
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	1.27 μm[50 μin]



Mating Tab Width	1.58 mm[.062 in]
Mating Tab Thickness	.79 mm[.031 in]
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μ m[30 μ in]
Contact Type	Socket
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	1.02 mm[.04 in]
Termination Post & Tail Length	2.85 mm[.112 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	PA66

Dimensions

Connector Height	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.4 – 1.78 mm[.055 – .07 in]

Usage Conditions

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

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

Approved Standards	CSA LR16455, UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	21
Packaging Type	Tube

Product Compliance

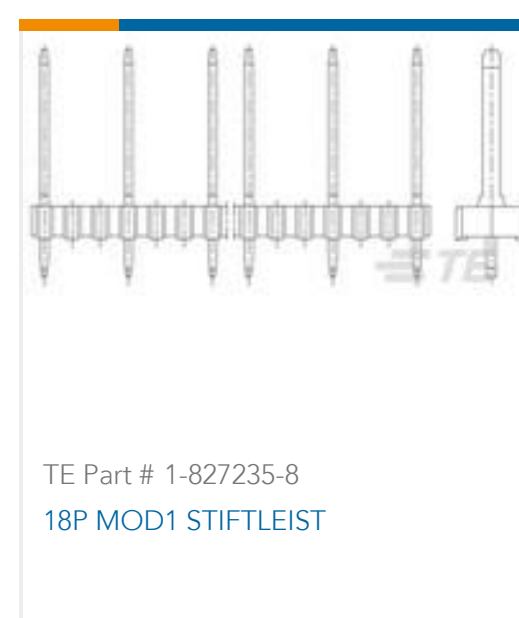
[For compliance documentation, visit the product page on TE.com>](#)

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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

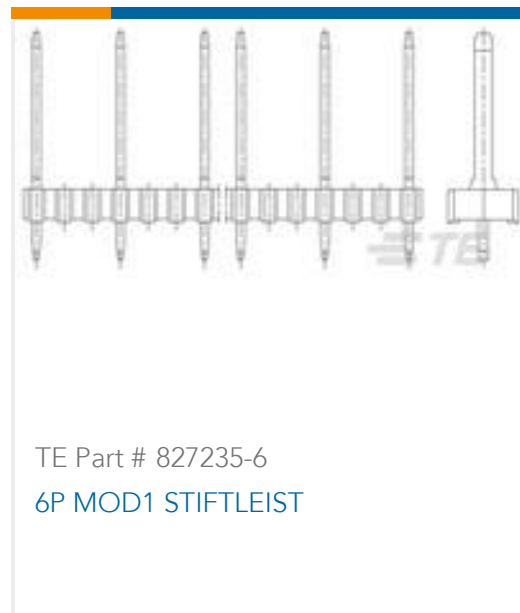
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-87654-8
18 MOD1 HDR SRRA .156CL



TE Part # 827235-6
6P MOD1 STIFTELEIST



TE Part # 85923-6
06 MOD1 HDR SRST .156CL



TE Part # 87632-6
06 MOD1 HDR SRRA .156CL

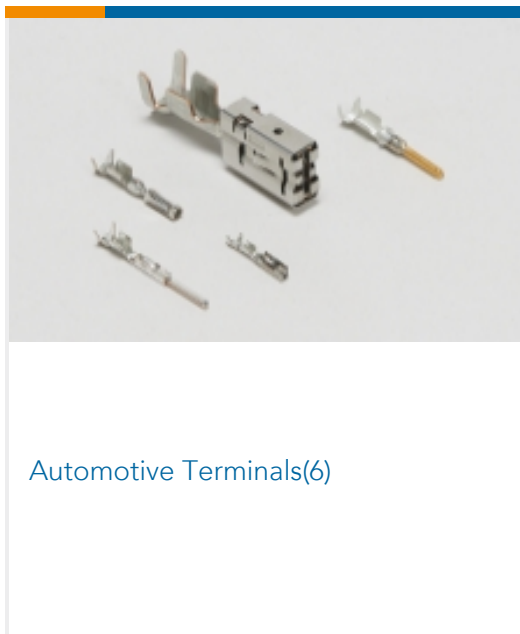


TE Part # 87633-6
06 MOD1 HDR SRST .156CL

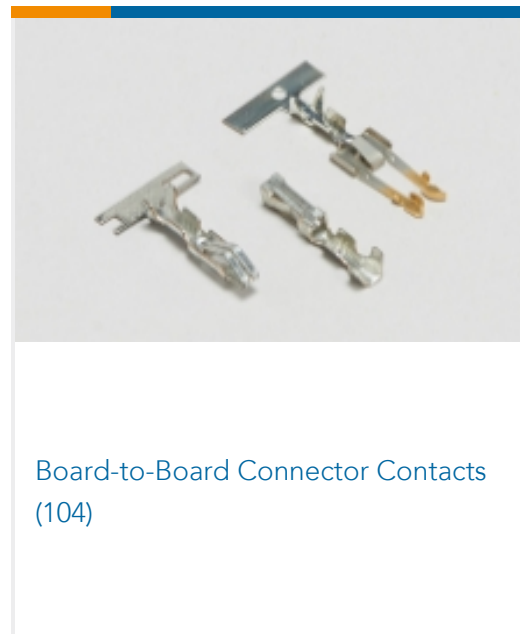


TE Part # 87654-6
06 MOD1 HDR SRRA .156CL

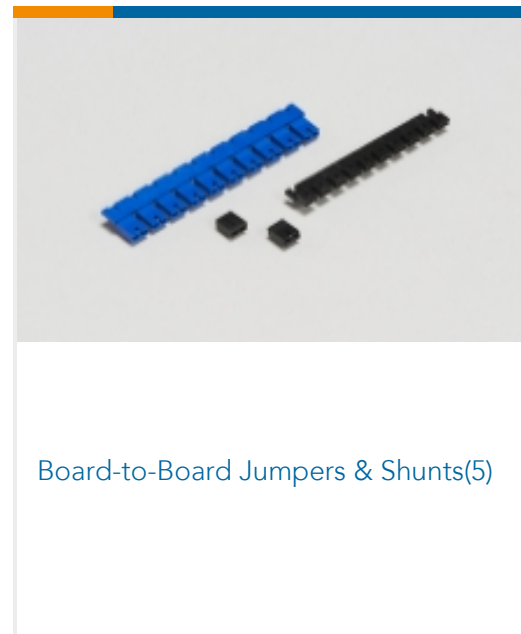
Also in the Series | AMPMODU MOD 1



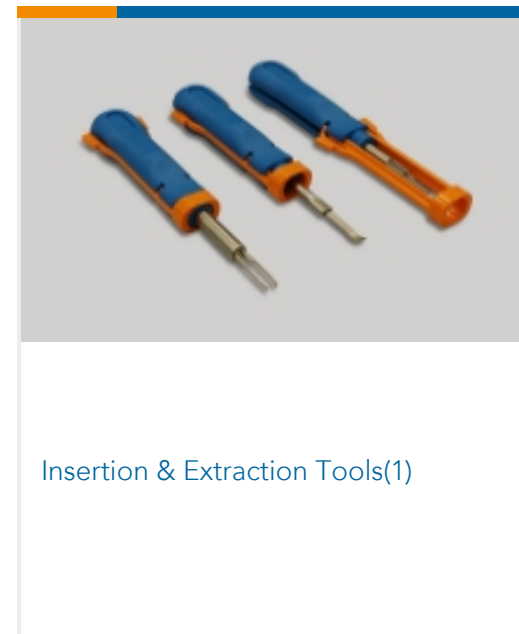
Automotive Terminals(6)



Board-to-Board Connector Contacts
(104)



Board-to-Board Jumpers & Shunts(5)



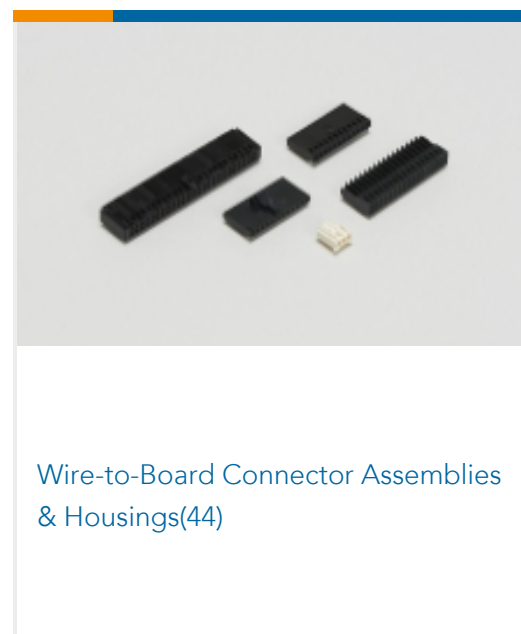
Insertion & Extraction Tools(1)



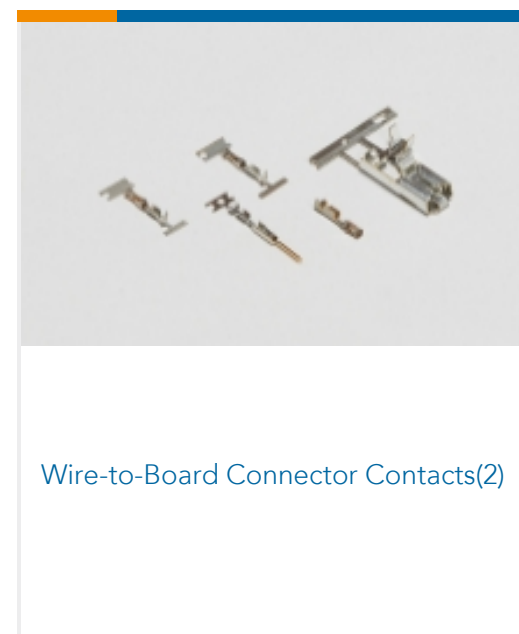
PCB Connector Keying(2)



PCB Headers & Receptacles(372)



Wire-to-Board Connector Assemblies
& Housings(44)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #173977-6
CT CONN MT REC ASSY 6P



TE Part #3-350980-1
SL156 RECEPTACLE



TE Part #5-103908-5
06 MTE HDR SRST LATCH W/HLDWN



TE Part #2-520194-2
ULTRAFast 187 ASSY REC 22-18
TPBR LP



TE Part #34148
PG R 22-16 COMM 22-18 MIL 8



TE Part #172161-1
9 CIR UNIV M-N-L CAP



TE Part #1-322249-1
PG SPDFLG 22-16COMM 22-18MIL 6



TE Part #62591-1
187 FASTON FLAG REC 20-16 AWG
TPBR



TE Part #170360-1
UNIV M-N-L PIN 22-18 AWG



TE Part #1-770849-8
18P SL156 HSG W/LCK RMP & TABS

Documents

Product Drawings

[06 MOD1 BDMNT RCPT SR .156CL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_87986-6_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87986-6_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87986-6_P.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION_6_7AND8](#)

English

Product Specifications

[Product Specification](#)

English