87654-6 ✔ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 87654-6

AMPMODU MOD 1, PCB Mount Header, Right Angle, 6 Position, 3.96mm [.156in] Centerline, Unshrouded, Gold, Printed Circuit Board

View on TE.com >

Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Number of Positions: **6**

Centerline (Pitch): **3.96 mm [.156 in]**

Header Type: **Unshrouded**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Header Type	Unshrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	1
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	6

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1200 VAC
Contact Resistance	12 mΩ

Contact Features

Contact Mating Area Length	8.76 mm[.345 in]
Mating Tab Width	1.58 mm[.062 in]
Mating Tab Thickness	.79 mm[.031 in]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Brass

Contact Mating Area Plating Material	Gold
	30 µin
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.79 mm[.031 in]
Rectangular Termination Post & Tail Width	1.58 mm[.062 in]
Termination Post & Tail Length	6.99 mm[.275 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Keyed
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Black
Housing Material	Thermoplastic

Usage Conditions

Operating Temperature Range	-65 – 105 °C

Industry Standards

Approved Standards	CSA LR16455, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	128
Packaging Method	Carton

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	

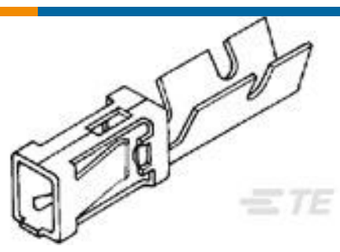
	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 240°C

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 85493-4
MOD I RECP LP

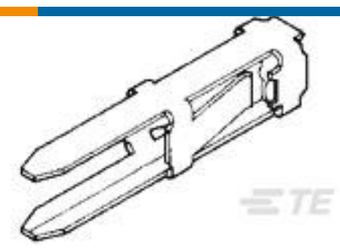


TE Part # 102099-2
MOD I RECP PLTD 30 SEL

TE Part # 87986-6
06 MODI BDMNT RCPT SR .156CL

TE Part # 85487-4
MOD I RECP PLTD 30 SEL

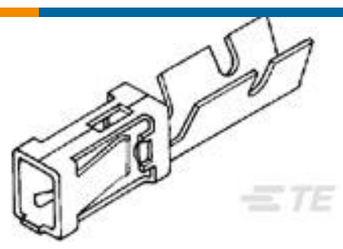
TE Part # 86432-8
MOD I RECP PLTD 30 SEL



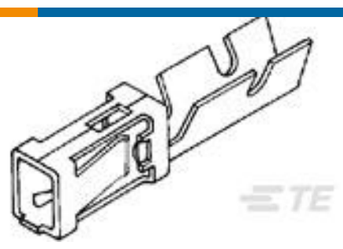
TE Part # 87772-2
MOD I RECP STMPD

TE Part # 87984-6
06 MODI BDMNT RCPT SR .156CL

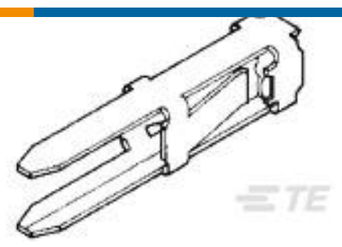
TE Part # 87988-6
06 MODI BDMNT RCPT SR .156CL



TE Part # 102103-2
MOD I RECP LP

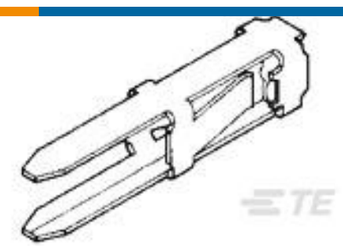


TE Part # 102106-2
MOD I RECP LP

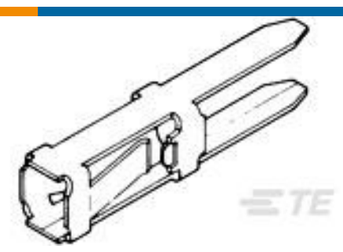


TE Part # 86480-2
MOD I RECP LP

TE Part # 102706-1
06 MODI BDMNT RCPT SR .156CL



TE Part # 86477-2
MOD I RECP PLTD 30 SEL



TE Part # 87003-1
MOD I RECP PLTD 30 SEL

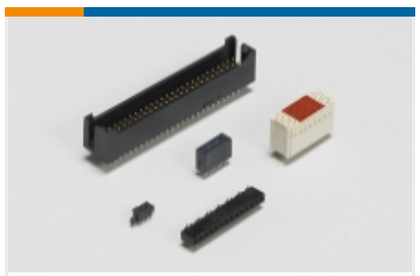
TE Part # 87982-6
06 MODI BDMNT RCPT SR .156CL

TE Part # 87989-6
06 MODI BDMNT RCPT SR .156CL

Also in the Series | AMPMODU MOD 1

Automotive Terminals(6)

Board-to-Board Connector Contacts (104)



Board-to-Board Headers & Receptacles(372)

Board-to-Board Jumpers & Shunts(5)

Insertion & Extraction Tools(1)

PCB Connector Keying(2)

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

Wire-to-Board Connector Contacts(2)

Customers Also Bought

TE Part #2-5499376-2
AMP-LATCH UNIVERSAL HEADERS

TE Part #3-641212-8
Polyester Right Angle PCB Header: 2.54mm, Unshrouded, MTA 100

TE Part #1-87159-3
14 MODI CRMP S-I HSG SR .156CL

TE Part #1-87633-8
18 MODI HDR SRST .156CL

TE Part #1-87654-8
18 MODI HDR SRRA .156CL

TE Part #2150607-2
OCEAN_2.0_Applicator-E-070F

TE Part #2836275-1
OCEAN_2.0_Applicator-S-140F220F

TE Part #5415487-2
PLUG,CBL,MINI-75 OHM SMB,NO PB

TE Part #8-33465-2
TERMINAL,SOLIS R 6 1/4

Documents

Product Drawings

06 MODI HDR SRRA .156CL

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION_6_7AND8

English

Product Environmental Compliance

TE Material Declaration

English