103167-3 ✔ ACTIVE

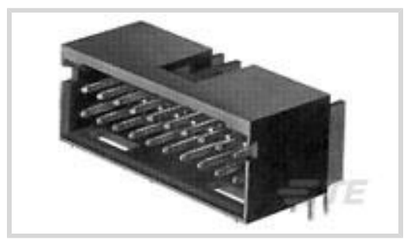
AMPMODU | AMPMODU Headers

TE Internal #: 103167-3

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Not Compliant**

EU ELV Compliance: **Not Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Not Compliant

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Detent Window
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

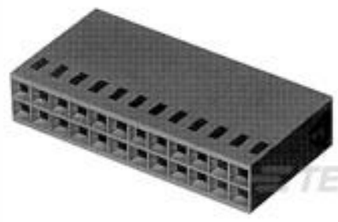
Packaging Quantity	208
Packaging Method	Tray

Product Compliance

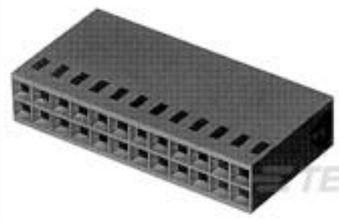
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (40% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°C

Compatible Parts



TE Part # 1-86177-3
12 MODIV HSG COMP DR .100CL



TE Part # 87456-7
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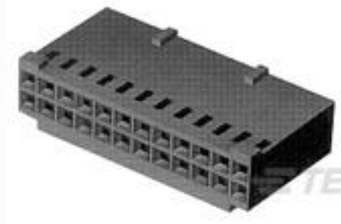
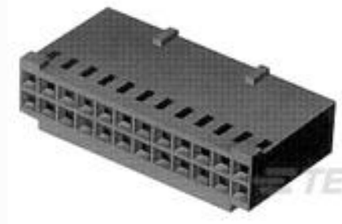


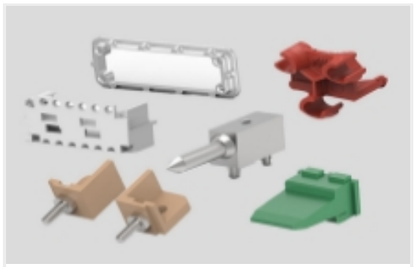
TE Part # 3-87977-1
12 MODIV HSG COMP DR .100 POL



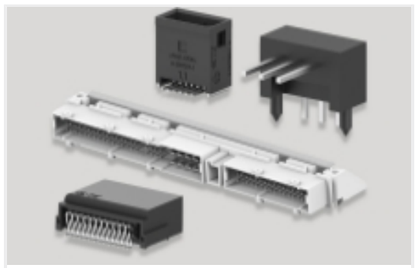
TE Part # 87977-4
12 MODIV HSG DR MRKD .100 POL

Also in the Series | AMPMODU Headers

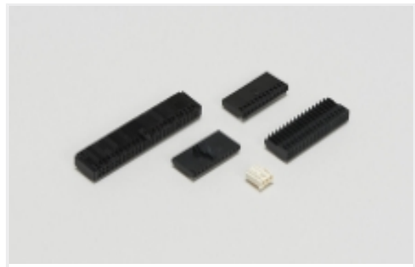
Connector Contacts(52)



Connector Hardware(1)



PCB Headers & Receptacles(1618)

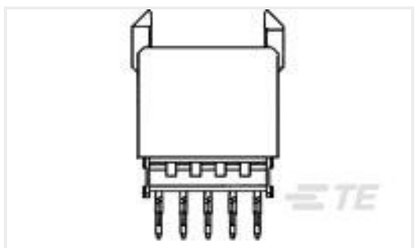


Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought

TE Part #1658640-2
RECP. ASSEMBLY SIZE 5

TE Part #1658641-3
PLUG ASSY SIZE 5



TE Part #5352269-1
Z-PACK/B19 VF 95P

TE Part #103361-4
06 MODII HDR SRRA SHRD .100CL

TE Part #826936-3
3P AMPMODU II STIFT LEI

TE Part #234067-E
STVBTL BUT 100 CSI 2428 207 * J 2 34093

TE Part #NB14474001
VERSAFIT-3/8-0-FSP

TE Part #EK7277-000
202S142-25C-0

TE Part #1055419-1
TORQUE WRENCH

Documents

Product Drawings

12 MODII HDR DRRA SHRD .100CL

English

CAD Files

Customer View Model

ENG_CVM_CVM_103167-3_R.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_103167-3_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_103167-3_R.3d_stp.zip

English

Product Specifications

Product Specification

English