7-87579-2 ✔ ACTIVE

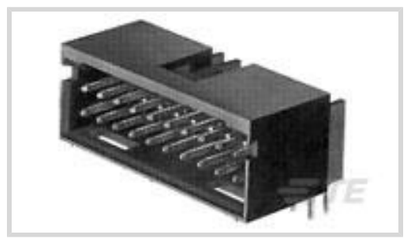
AMPMODU | AMPMODU Headers

TE Internal #: 7-87579-2

AMPMODU Headers, PCB Mount Header, Right Angle, Board-to-Board, 50 Position, 2.54mm [.1in] Centerline, Fully Shrouded, Tin, 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**

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

Number of Positions: **50**

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

Features

Product Type Features

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

Configuration Features

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	50

Electrical Characteristics

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

Body Features

Connector Profile	Standard

Contact Features

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 Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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

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

Approved Standards	CSA LE7189, UL E28476
UL Flammability Rating	UL 94V-0
CSA Certified	Yes
CSA File Number	LR7189
UL File Number	E28476

Packaging Features

Packaging Quantity	64
Packaging Method	Tray

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: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 240°C

Compatible Parts

TE Part # 2-146762-6
50 MODII RCPT VERT DR

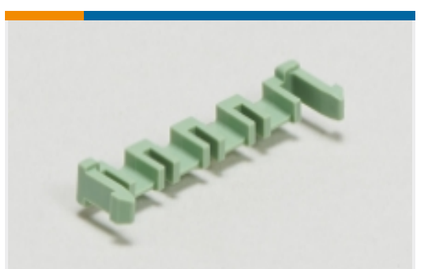
Also in the Series | AMPMODU Headers

Automotive Headers(10)

Board-to-Board Headers & Receptacles(7077)

PCB Connector Mounting(1)

PCB Connector Shrouds(1)



PCB Latches, Locks & Retainers(2)

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

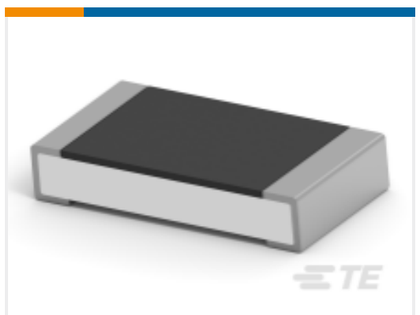
Wire-to-Board Connector Contacts(66)

Wire-to-Board Headers & Receptacles (79)

Customers Also Bought

TE Part #53400-1
PIDG RADIATION REST/150 C RINGS /SPADES

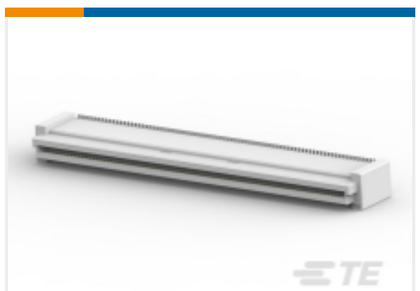
TE Part #2176052-9
Thick Film Resistor: Current Sense



TE Part #2-2176390-3
RQ 1206 1K96 0.1% 10PPM 5K RL

TE Part #7-102570-2
50 MODII HDR DRRA SHRD LF

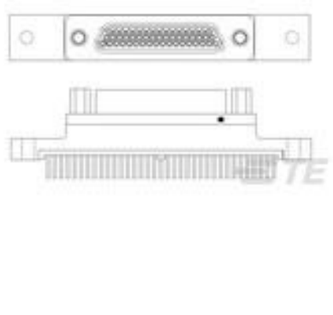
TE Part #1617756-5
FCA-410-CY4



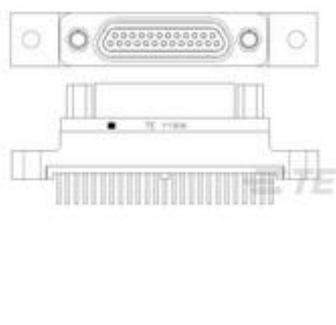
TE Part #5179229-8
Free Height Receptacle Conn: Board-Board, Vertical, 160, 0.8mm

TE Part #YDTS26Z25-61SAV001
D38999: Straight Plug, 25-61 Insert

TE Part #1532176-1
M83513/04-F01N, MCKS-N1-B-37S6G1-18.0



TE Part #1532272-5
M83513/23-G02CN = MCKS-C2-B-51PST1A



TE Part #1532277-1
M83513/25-D01CN = MCKS-C2-B-25SST1

Documents

Product Drawings

50 MODII HDR DRRA SHRD LF

English

CAD Files

3D PDF

3D

3D PDF

English

Customer View Model

ENG_CVM_7-87579-2_R.3d_igs.zip

English

Customer View Model

ENG_CVM_7-87579-2_R.3d_stp.zip

English

Customer View Model

ENG_CVM_7-87579-2_R.2d_dxf.zip

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English