

AMP COMMON TERMINATION HOUSINGS



AMP CT

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



Connector & Housing Type: **Receptacle**
Number of Rows: **1**
Connector & Contact Terminates To: **Wire & Cable**
Connector Mounting Type: **Cable Mount (Free-Hanging)**
Operating Temperature Range: **-30 - 105 °C**

Features

Product Type Features

Connector Product Type	Connector Assembly, Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
Number of Rows	1

Electrical Characteristics

Termination Resistance (mΩ)	10, 11, 12, 13, 14, 15, 2, 3, 4, 5, 6, 7, 8, 9
Dielectric Withstanding Voltage (Max) (VAC)	2000, 5000
Insulation Resistance (MΩ)	1000
Operating Voltage (VDC)	125
Operating Voltage (VAC)	125

Body Features

Primary Product Color	Black, Blue, Gray, Natural, Red, Yellow
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Contact Features

Contact Layout	Inline
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Contact Type	Receptacle, Socket
Contact Current Rating (Max) (A)	2, 3, 4

Termination Features

Termination Method to Wire & Cable	Crimp, Insulation Displacement (IDC)
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Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Lock
Mating Retention	With, Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	66 Nylon, 66Nylon, PBT GF, Thermoplastic
Centerline (Pitch) (mm)	2
Centerline (Pitch) (in)	.078, .079

Dimensions

Connector Length (mm)	10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 6, 8
Connector Length (in)	.189, .236, .314, .315, .393, .472, .551, .623, .63, .709, .787, .866, .945, 1.023, 1.024, 1.102, 1.181, 1.256, 1.26
Connector Height (mm)	4, 6.6
Connector Height (in)	.157, .26, 2
Connector Width (mm)	4.6, 5.1
Connector Width (in)	.181, .2
Wire Size (AWG)	30 - 22

Usage Conditions

Operating Temperature Range (°C)	-30 - 105
Operating Temperature Range (°F)	-22 - 221

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000
Packaging Method	Bag, Bag & Box

Reference Number

TE Internal Number	CAT-AM7017-H8172
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 5)



2MM CT MT REC ASSY 3P
GRAY



CT CONN MT REC ASSY
15P



CT CRIMP-2 REC HSG 15P
NATURAL



CT CONN MT REC ASSY 6P
BLACK

TE Part #	2-179694-3	1-173977-5	1-179228-5	6-173977-6
Connector Product Type	Connector Assembly	Connector Assembly	Housing	Connector Assembly
Connector System	Wire-to-Board	Wire-to-Board	Wire-to-Board, Wire-to-Wire	Wire-to-Board
Number of Positions	3	15	15	6
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Termination Method to Wire & Cable	Insulation Displacement (IDC)	Insulation Displacement (IDC)	Crimp	Insulation Displacement (IDC)
Primary Product Color	Gray	Natural	Natural	Black
Mating Retention	With	Without	Without	Without
Sealable	No	No	No	No
Contact Current Rating (Max)	3 A	2 A	4 A	2 A
Circuit Application	Power & Signal	Power & Signal	Power & Signal	Power & Signal
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**EU ELV Directive 2000/53/EC

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Products (2 of 5)



CT CONN MT REC ASSY 11P



CT CRIMP-2 REC HSG 10P
NATURAL



CT CONN MT REC ASSY 4P
BLUE



CT CONN MT REC ASSY 12P

TE Part #	1-173977-1	1-179228-0	2-173977-4	1-173977-2
Connector Product Type	Connector Assembly	Housing	Connector Assembly	Connector Assembly
Connector System	Wire-to-Board	Wire-to-Board, Wire-to-Wire	Wire-to-Board	Wire-to-Board
Number of Positions	11	10	4	12
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Termination Method to Wire & Cable	Insulation Displacement (IDC)	Crimp	Insulation Displacement (IDC)	Insulation Displacement (IDC)
Primary Product Color	Natural	Natural	Blue	Natural
Mating Retention	Without	Without	Without	Without
Sealable	No	No	No	No
Contact Current Rating (Max)	2 A	4 A	2 A	2 A
Circuit Application	Power & Signal	Power & Signal	Power & Signal	Power & Signal
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

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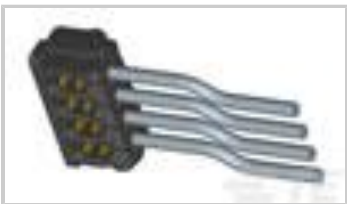
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Products (3 of 5)



CT MT REC ASSY 4P GRAY

CT CONN MT REC ASSY 14P

2MM CT MT REC ASSY 8P GRAY

CT CRIMP-2 REC HSG 4P BLACK

TE Part #	2-179694-4	1-173977-4	2-179694-8	6-179228-4
Connector Product Type	Connector Assembly	Connector Assembly	Connector Assembly	Housing
Connector System	Wire-to-Board	Wire-to-Board	Wire-to-Board	Wire-to-Board, Wire-to-Wire
Number of Positions	4	14	8	4
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Termination Method to Wire & Cable	Insulation Displacement (IDC)	Insulation Displacement (IDC)	Insulation Displacement (IDC)	Crimp
Primary Product Color	Gray	Natural	Gray	Black
Mating Retention	With	Without	With	Without
Sealable	No	No	No	No
Contact Current Rating (Max)	3 A	2 A	3 A	4 A
Circuit Application	Power & Signal	Power & Signal	Power & Signal	Power & Signal
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

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Products (4 of 5)



CT CONN MT REC ASSY 9P



2MM CT MT REC ASSY 2P GRAY



CT CRIMP-2 REC HSG 14P NATURAL



CT CRIMP-2 REC HSG 11P NATURAL

TE Part #	173977-9	2-179694-2	1-179228-4	1-179228-1
Connector Product Type	Connector Assembly	Connector Assembly	Housing	Housing
Connector System	Wire-to-Board	Wire-to-Board	Wire-to-Board, Wire-to-Wire	Wire-to-Board, Wire-to-Wire
Number of Positions	9	2	14	11
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Termination Method to Wire & Cable	Insulation Displacement (IDC)	Insulation Displacement (IDC)	Crimp	Crimp
Primary Product Color	Natural	Gray	Natural	Natural
Mating Retention	Without	With	Without	Without
Sealable	No	No	No	No
Contact Current Rating (Max)	2 A	3 A	4 A	4 A
Circuit Application	Power & Signal	Power & Signal	Power & Signal	Power & Signal
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

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Products (5 of 5)



CT CRIMP-2 REC HSG 13P
NATURAL

CT. CRIMP REC HSG 4P

CT CONN MT REC ASSY 13P

CT CRIMP TYPE REC HSG

TE Part #	1-179228-3	175778-4	1-173977-3	179228-8
Connector Product Type	Housing	Housing	Connector Assembly	Housing
Connector System	Wire-to-Board, Wire-to-Wire	Wire-to-Board	Wire-to-Board	Wire-to-Board, Wire-to-Wire
Number of Positions	13	4	13	8
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Termination Method to Wire & Cable	Crimp	Crimp	Insulation Displacement (IDC)	Crimp
Primary Product Color	Natural	Natural	Natural	Natural
Mating Retention	Without	With	Without	Without
Sealable	No	No	No	No
Contact Current Rating (Max)	4 A		2 A	4 A
Circuit Application	Power & Signal	Power & Signal	Power & Signal	Power & Signal
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
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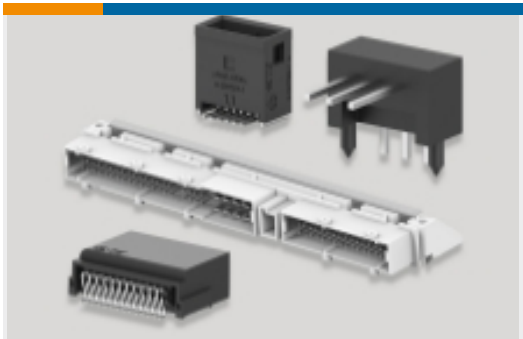
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Connector Contacts(8)



Connector Hardware(46)



PCB Headers & Receptacles(756)



Wire-to-Board Connector Assemblies & Housings(255)