



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

RCPT ASY,VRT,AMPINRGY WTB,3POS

AMPINNERGY | Power Wiring Devices

556881-3

TE Internal Number: 556881-3

Always EU RoHS/ELV Compliant

Product Type **Connector Assembly**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **35**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

RECEPTABLE ASSEMBLY, VERTICLE, WTB, AMPINNERGY

PDF
English

CAD Files

3D PDF

PDF
English

Customer View Model

2D_DXF.ZIP
English

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Catalog Pages/Data Sheets

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

PDF
English

1654742_HOUSEHOLD_APPLIANCES_RAST5

PDF
English

Product Specifications

Product Specification

Connector, AMPINNERGY*, Wire-To-Board

PDF
English

Application Specification

AMPINNERGY Wire-To-Board (WTB) Connectors

PDF
English

AMPINNERGY Modular Wiring System

PDF
English

Product Environmental Compliance

TE Material Declaration

MD_556881_3_012520141113_dwtac

Instruction Sheets

Instruction Sheet (U.S.)

[AMP NETCONNECT AMPINNERGY Wire-To-Board \(WTB\) Connectors 556870-\[\], 556882-\[\], And 556881-\[\]](#)
 PDF
 English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Connector Assembly
	Housing Type	Receptacle
	Contact Type	Pin/Socket
Configuration Features	Number of Positions	3
	Centerline	11.18 mm [.44 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	1
	Contact Layout	Inline
Electrical Characteristics	Contact Current Rating (A)	35
	Operating Voltage (VAC)	600
Contact Features	Contact Termination Area Plating Material	Tin
	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Thickness	3.81 µm [150 µin]
	Contact Base Material	Copper Alloy
	Contact Design	Dual Beam
	Contact Termination Area Plating Thickness	2.54 µm [100 µin]
Termination Features	Wire/Cable Size (AWG)	6 – 20
	Termination Method to PC Board	Through Hole - Solder
	Wire Type	Stranded
	Termination Post/Tail Length	4.9 mm [.1929 in]
Mechanical Attachment	Mating Alignment	With
	Mating Retention	With
	PCB Mount Retention	With

PCB Mount Retention Type	Mounting Ears
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention Type	Latch

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Black
	Housing Material	Polyphenylene Sulfide (PPS)

Dimensions	Width	19.3 mm [.76 in]
	Height	12.7 mm [.5 in]
	PCB Thickness (Recommended)	1.57 – 3.18 mm [.062 – .1251 in]
	Length	57.912 mm [2.28 in]

Usage Conditions	Sealed Condition	Not Sealed
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Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	0 – 105 °C [32 – 221 °F]
	Circuit Application	Power

Industry Standards	VDE Tested	No
	CSA Rating	Certified
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	LR 7189
	Agency/Standard	CSA, UL

Packaging Features	Packaging Method	Box
	Packaging Quantity	100

Other	Backwall/Post Interruptions	Without
	For Use With	Header

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

