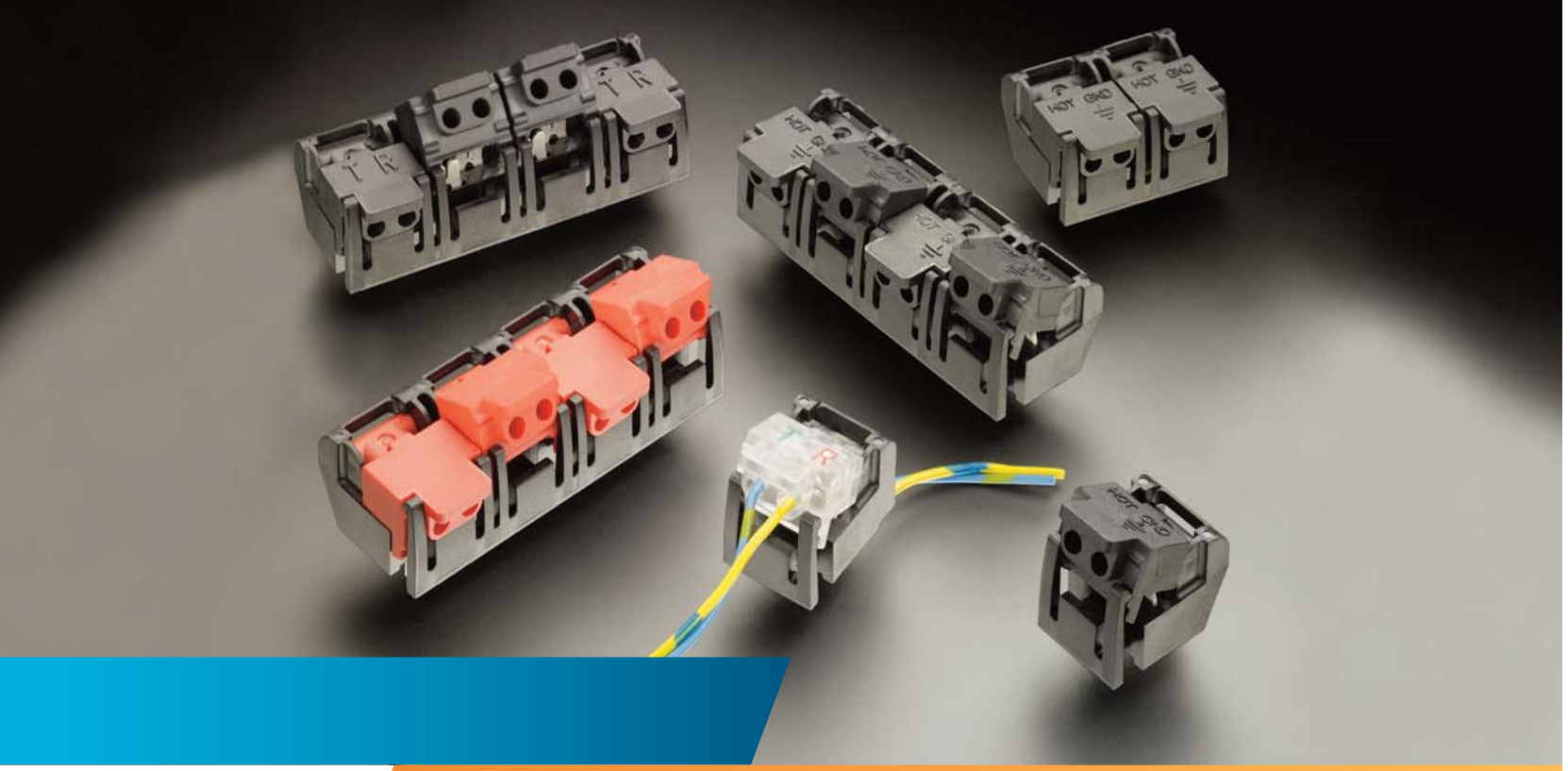


Quick Reference Guide: AMP Pivot Connector Series

The AMP Pivot Connector Series is a toolless, user friendly solution for terminating signal and low power connections. Simply feed a pair of unstripped wires into the connector and complete the termination by pressing down the pivoting stuffer with your thumb or index finger. Insulation displacement contacts (IDCs) in the connector eliminate the need for stripping wires and make the termination even easier.

This series is ideal for field-installed products and space constrained applications. There are two versions available depending on the size and requirements of the application. Tyco Electronics offers pivot and pivot II connectors with varying dimensions. Please see the charts inside to differentiate pivot from pivot II and find the connector that is right for your application.

FEATURES AND BENEFITS

- Eliminates need for a termination tool--just use your finger!
- Small size and toolless capability make it suitable for space constrained applications.
- Terminate wires from either side of the connector or pass wires completely through for bridging connections.
- Perfect for field-installed products--IDCs eliminate the need to strip wires.

PRODUCT APPLICATIONS

- Space-constrained applications
- Garage door openers
- Sprinkler systems
- Alarm systems
- Telephone jacks
- Pet fences
- Low voltage lighting

http://www.tycoelectronics.com/products/pivot

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AMP Pivot Connector Series

HOW TO USE AN AMP PIVOT CONNECTOR

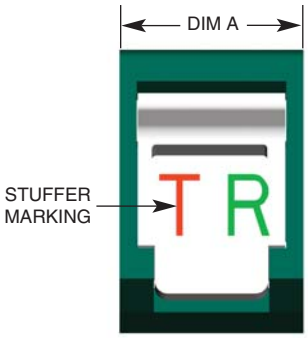
Wire Insertion

After the connector has been applied to the pc board, the unstripped wires may be inserted into the corresponding wire insertion hold of the stuffer.

Termination

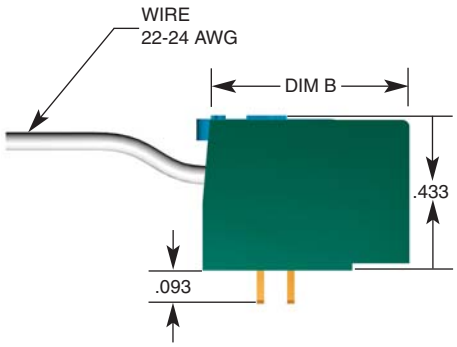
While holding the wires firmly in place, push down on the stuffer until it bottoms to terminate the wire.

DRAWINGS FOR AMP PIVOT CONNECTORS



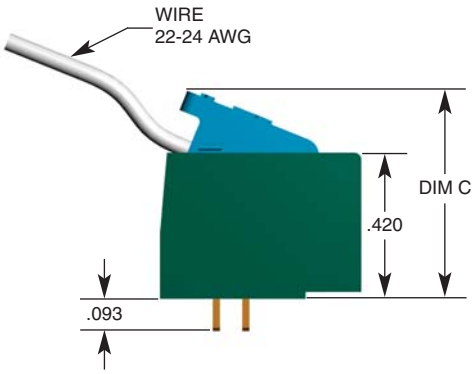
One Pair Pivot Connector

Top view of a one pair, single entry pivot connector in a closed position. Drawing shows connector width.



Closed Position

Side view of a one pair, single entry pivot connector in a closed position. Drawing shows a wire fed into the connector, the connector height, stuffer length and tine length.



Open Position

Side view of a one pair, single entry pivot connector in an open position. Drawing shows connector height and height when the stuffer is open.

AMP PIVOT CONNECTORS

PIVOT	Part #	# OF PAIRS	ENTRY STYLE	STUFFER LENGTH	STUFFER MARKING	DIM A	DIM B	DIM C	AWG	INSULATION DIAMETER	STUFFER COLOR
	1116477-3	1	SINGLE	SHORT	T/R•	.430	.595	.599	22-24	.06-.04	CLEAR
	1116477-4*	1	SINGLE	SHORT	T/R	.430	.595	.599	22-24	.06-.04	CLEAR
	1116161-5	2	SINGLE	SHORT	T/R•	.820	.595	.599	22-24	.06-.04	CLEAR
	1116161-6	2	SINGLE	SHORT	1/4	.820	.595	.599	22-24	.06-.04	CLEAR
	1116161-7*	2	SINGLE	SHORT	T/R•	.820	.595	.599	22-24	.06-.04	CLEAR
	1116161-8*	2	SINGLE	SHORT	1/4	.820	.595	.599	22-24	.06-.04	CLEAR
	1116581-3	4	SINGLE	SHORT	T/R•	1.60	.595	.599	22-24	.06-.04	CLEAR
	1116581-4*	4	SINGLE	SHORT	T/R•	1.60	.595	.599	22-24	.06-.04	CLEAR

Product Specification: 108-1657
Application Specification: 114-6062
Qualification Test: 501-373

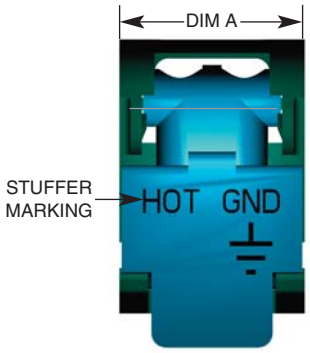
* Signifies part is grease filled

• T/R is an abbreviation for Tip & Ring
(Commonly used when talking about phone lines in the telecommunications industry)

All part numbers are RoHS compliant.

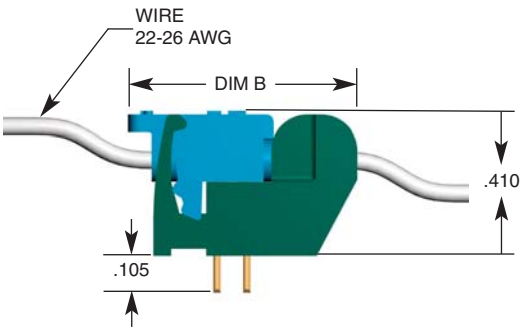
http://www.tycoelectronics.com/products/pivot

DRAWINGS FOR AMP PIVOT II CONNECTORS



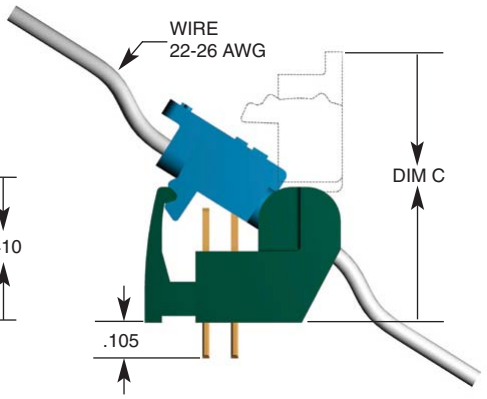
One Pair Pivot Connector

Top view of a one pair, single entry pivot II connector in a closed position. Drawing shows connector width.



Closed Position

Side view of a one pair, single entry pivot II connector in a closed position. Drawing shows a wire fed through the connector, the connector height, stuffer length and tine length.



Open Position

Side view of a one pair, single entry pivot II connector in an open position. Drawing shows connector height and height when the stuffer is open.

AMP PIVOT II CONNECTORS

PIVOT II	Part #	# OF PAIRS	ENTRY STYLE	STUFFER LENGTH	STUFFER MARKING	DIM A	DIM B	DIM C	AWG	INSULATION DIAMETER	STUFFER COLOR
	1339222-2	1	SINGLE	SHORT	T/R•	0.39	0.645	0.788	22-26	.06-.04	CLEAR
	1339394-1	1	DOUBLE	SHORT	BLANK	0.39	0.645	0.788	22-26	.06-.04	TAN
	1339345-1	1	DOUBLE	SHORT	HOT/GND	0.39	0.645	0.799	22-26	.06-.04	BLACK
	1339342-1	1	DOUBLE	SHORT	BLANK	0.39	0.645	0.799	22-26	.06-.04	RED
	1339313-1	2	DOUBLE	SHORT	HOT/GND	0.78	0.645	0.799	22-26	.06-.04	BLACK
	1339395-1	2	DOUBLE	SHORT	HOT/GND	0.78	0.645	0.788	22-26	.06-.04	TAN
	1-1339395-1	2	DOUBLE	SHORT	HOT/GND	0.78	0.645	0.788	22-26	.06-.04	TAN
	1658921-1	2	DOUBLE	SHORT	T/R•	0.78	0.645	0.799	22-26	.06-.04	CLEAR
	1339374-1	2	DOUBLE	SHORT	T/R•	0.78	0.645	0.799	22-26	.06-.04	CLEAR
	1339374-2	2	DOUBLE	SHORT	T/R•	0.78	0.645	0.799	22-26	.06-.04	BLACK
	1339343-1	2	DOUBLE	SHORT	HOT/GND	0.78	0.645	0.799	22-26	.06-.04	RED
	1339376-1	2	SINGLE	LONG	BLANK	0.78	0.824	0.978	22-26	.06-.04	CLEAR
	1339376-2	4	SINGLE	LONG	BLANK	1.56	0.824	0.978	22-26	.06-.04	CLEAR
	1339376-3	4	DOUBLE	LONG	BLANK	1.56	0.824	0.978	22-26	.06-.04	WHITE
	1339396-1	4	DOUBLE	SHORT	T/R•	1.56	0.645	0.788	22-26	.06-.04	TAN
	1368385-1	4	DOUBLE	SHORT	Custom Mark	1.56	0.645	0.788	22-26	.06-.04	Custom
	1339344-1	4	DOUBLE	SHORT	BLANK	1.56	0.645	0.799	22-26	.06-.04	RED
	1339312-1	4	DOUBLE	SHORT	HOT/GND	1.56	0.645	0.799	22-26	.06-.04	BLACK
	1339375-1	4	DOUBLE	SHORT	T/R•	1.56	0.645	0.799	22-26	.06-.04	CLEAR
	1339375-2	4	DOUBLE	SHORT	T/R•	1.56	0.645	0.799	22-26	.06-.04	BLACK

Product Spec: 108-1657-2
Application Spec: 114-6062
Qualification Test: 501-373-2

•T/R is an abbreviation for Tip & Ring
(Commonly used when talking about phone lines in the telecommunications industry)

All part numbers are RoHS compliant.

http://www.tycoelectronics.com/products/pivot

AMP Pivot Connector Series

QUESTIONS TO ASK AT DESIGN IN

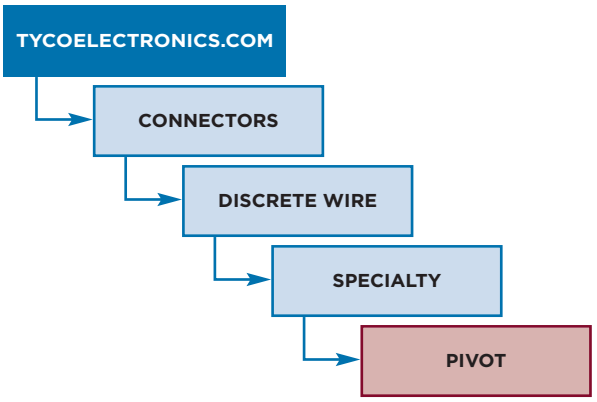
- **What wire gauge are you using?**
  Pivot series can accept AWG 22-24.
  Pivot II series can accept AWG 22-26.
- **Will the wire need to be passed through the connector?**
  If no, single or double entry styles will work.
  If yes, only double entry style will work.
- **In what type of environments will this connector be used?**
  These connectors are available to be greased filled in order to be used in extreme environments. (See part number table on previous pages.)
- **What is the significance of the Stuffer Labels 'T and R'?**
  T and R stand for Tip and Ring, which is commonly used terminology when working with telephone jacks in the telecommunications industry.
- **What tooling is required to support these connectors?**
  No tooling is needed to support these connectors other than something to cut the wires to the appropriate sizes. The IDC contacts make pivot a toolless solution.
- **What if you need to use an AWG that is outside the AMP Pivot Connector Series gauge?**
  We recommend using the terminal block family, which can accept AWG 12-30. For more information please see the landing page at www.tycoelectronics.com/products/terminalblocks
- **How many wires can a single connector use?**
  We offer one, two and four pair connectors. Each pair is capable of accommodating two wires and multiple connectors can be aligned side-by-side.

YOU ARE HERE (E-CATALOG)

Product Overview Page

http://tycoelectronics.com/products/pivot

Breakdown From Main Page



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NOTE: For purposes of this Catalog, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

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- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalog
- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above
- So whatever your questions when it comes to RoHS, we've got the answers at www.tycoelectronics.com/leadfree

RoHS Customer Support Center

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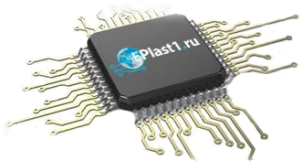
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