

PCIA ORDERING INFORMATION

Compact Power Connectors



NOTE: Once you have made a connector selection, contact Technical Sales if you would like to receive a drawing in DXF, PDF format or a 3-dimensional IGES file.





SPECIAL OPTION APPENDIX

Compact Power Connectors

MODIFICATION OF STANDARD (MOS)

Specify complete connector by selecting a base part number from the desired series **Ordering Information Page**. Once base part number is selected, add desired modification of standard (MOS) number below to the end of the part number.

Example part number: PCIH47F9300A1/AA-245.0

(Ordering information pages can be found at the end of each series)

	CONNECTOR VARIANT SIZE	GENDER	TERMINATION TYPE AVAILABLE	MODIFICATION OF STANDARD (MOS) NUMBER	DESCRIPTION OF MODIFICATION
PCIH	38	F	3, 93, 94	-245.0	System 2, Straight Printed Board Mount 38 contact connector with 3 high profile A.C. pass-through contact positions.
	38	F	3, 93, 94	-246.1	System 2, Straight Printed Board Mount 38 contact connector with 3 low profile A.C. pass-through contact positions.
	47	F	3, 93, 94	-246.0	System 2, Straight Printed Board Mount 47 contact connector with 3 low profile A.C. pass-through contact positions.
	47 *47R	F	4	-246.4	System 5, Right Angle (90°) Board Mount 47 contact connector with 3 A.C. pass-through contact positions.
	47	Μ	4	259.0	Selectively loaded Right Angle (90°), 47 contact connector with ten total output contacts loaded in 1, 4, 5, 8, 9, 12, 13, 16, 19, 20. See page 11.
	47	Μ	4	259.1	Selectively loaded Right Angle (90°), 47 contact connector with six total output contacts loaded in 1, 5, 9,13, 19, 20. See page 11.
	47	Μ	4	259.2	Selectively loaded Right Angle (90°), 47 contact connector with sixteen total output contacts loaded in 1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 15, 16, 17, 19, 20. See page 11.
	47	Μ	3, 4, 93, 94	-441.0	System 1 & 4, allows for any 47 male contact connector to be supplied with two additional contact positions, 48 and 49, to be left vacant in order to accept keying plugs. See page 7.
	47	F	3, 4, 93, 94	-442.0	System 1 & 4, allows for any 47 female contact connector to be supplied with two additional contact positions, 48 and 49, to be left vacant in order to accept keying plugs. See page 7.
	49W25	F	3, 93, 94	-246.3	System 2, Straight Printed Board Mount 49 contact connector with 5 low profile A.C. pass-through contact positions.
	49W25	М	3, 4, 93, 94	-378.0	Allows contacts 45-49 to be sequentially mated as follows: Position 45 is first mate, positions 46,47,48, and 49 are sec- ond mate. Male connector mates with female connector using MOS number -379.0.
	49W25 *49W25R	F	3, 4, 93, 94	-379.0	Allows for contact positions 46, 47, 48 and 49 to have 5mm recess. Contact 45 to have 2mm recess. Female connector mates with male connector using MOS number -378.0.

CONTACT TECHNICAL SALES FOR ADDITIONAL SPECIAL OPTIONS

*Inverted termination available on connectors with code 4 termination only.

SPECIAL OPTION APPENDIX



MODIFICATION OF STANDARD (MOS)

Specify complete connector by selecting a base part number from the desired series **Ordering Information Page**. Once base part number is selected, add desired modification of standard (MOS) number below to the end of the part number.

Example	ple part number: PCIH47F9300A1/AA-245.0		(Ordering information pages can be found at the end of each series)		
	CONNECTOR VARIANT SIZE	GENDER	TERMINATION TYPE AVAILABLE	MODIFICATION OF STANDARD (MOS) NUMBER	DESCRIPTION OF MODIFICATION
PCIA	Consult Technical Sales for Special Options				
PCIM	33W18	F	3, 93, 94	-246.10	System 2, Straight Printed Board Mount Connector with 3 low profile A.C pass-through contact positions.
PCIB	24W9	F	3, 93, 94	-246.5	System 2, Straight Printed Board Mount Connector with 3 low profile A.C pass-through contact positions.
	24W9 *24W9R	F	4	-422.0	System 1 and 4, Right Angle (90°) Printed Board Mount Connector with 3 low profile A.C pass-through contact positions.
	26W11	F	3, 93, 94	-246.6	System 2, Straight Printed Board Mount Connector with 5 low profile A.C pass-through contact positions.
	26W11	М	3, 93, 94	-444.0	Fixed jackscrew system. Male connector mates with female connector using MOS number -443.0
	26W11	F	8	-443.0	Rotating jackscrew system. Female connector mates with male connector using MOS number -444.0.
PCIC	16W7	F	3, 93, 94	-246.2	System 2, Straight Printed Board Mount Connector with 3 low profile A.C. Pass-Through contact positions.
	3W3	F	93, 94	-444.2	Special molding, fixed female jackscrews. Female connector mates with male connector using MOS number -443.2.
	3W3	М	3	-443.2	Special molding, special rotating male jackscrews. Male connector mates with female connector using MOS number -444.2.
	00				ITIONAL SPECIAL OPTIONS

*Inverted termination available on connectors with code 4 termination only.



REMOVABLE CONTACTS

REMOVABLE CONTACT TECHNICAL CHARACTERISTICS

SIZE 22 REMOVABLE CONTACT

MATERIALS AND FINISHES:

Precision machined copper alloy with gold flash over nickel. Other finishes are available, see optional finishes for -14 and -15.

MECHANICAL CHARACTERISTICS:

Insert contact to rear face of insulator, release from front face of insulator. Female contact feature "Closed Entry" design for highest reliability.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating: Initial Contact Resistance: 3 amperes nominal. 0.004 ohms max. per IEC 512-2, test 2b.

SIZE 20 REMOVABLE CONTACT

MATERIALS AND FINISHES:

Precision machined copper alloy with gold flash over nickel. Other finishes are available, see optional finishes for -14 and -15.

MECHANICAL CHARACTERISTICS:

Insert contact to rear face of insulator, release from front face of insulator. Female contact feature "Closed Entry" design for highest reliability.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating: Initial Contact Resistance: 5 amperes nominal. 0.004 ohms max. per IEC 512-2, test 2b.

SIZE 16 REMOVABLE CONTACT

MATERIALS AND FINISHES:

HIGH CONDUCTIVITY: Tellurium copper, gold flash over nickel. Other finishes are available, see optional plating finishes for -14 and -15.

MECHANICAL CHARACTERISTICS:

Insert contact to rear face of insulator, release from front face of insulator. Female contact feature "Closed Entry" design for highest reliability.

ELECTRICAL CHARACTERISTICS:

Contact Current Rating:	See Size 16 contact current ratings for individual variants:		
	PCIH - refer to page 13		
	PCIA - refer to page 38		
	PCIM - refer to pages 47-48		
	PCIB - refer to page 72		
	PCIC - refer to page 91		
Initial Contact Resistance:	0.0007 ohms max. per IEC 512-2, test 2b		

OPTIONAL PLATING FINISHES

-14	0.000030 [0.76 $\mu]$ gold over nickel by adding "-14" suffix onto part number. Example: FC720N2-14.
-15	0.000050 inch [1.27µ] gold over nickel by adding "-15". <i>Example: FC720N2-15</i> .

RoHS OPTIONS:

/AA

Environmental Compliance Option (RoHS), compliant per EU Directive 2002/95/EC can be achieved by adding "/AA" suffix onto part number. *Examples: FC720N2/AA or for optional finishes* use FC720N2/AA-14.



REMOVABLE CRIMP CONTACT FOR USE WITH PCIH, PCIA, PCIM, PCIB & PCIC SERIES PANEL MOUNT VERSION CONTACTS MUST BE ORDERED SEPARATELY

SIZE 22



Authentic POSITRONIC" POSIBANO These contacts utilize authentic Positronic" PosiBand® makes Positronic's new PosiBand®

What makes Positronic's new PosiBand[®] contact interface a significant improvement?

- Higher reliability in harsh environments and repeated mating cycles, and durability in blind mate applications
- More stable price over time
- No need to anneal PosiBand contacts eliminating possibility of incorrect annealing causing reliability problems on the mating end of the contact

For more information on PosiBand contacts, please contact Technical Sales.

For information regarding crimp tool and crimping tool techniques, see Application Tools section, pages 104-110.



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REMOVABLE CRIMP CONTACT FOR USE WITH PCIH SERIES PANEL MOUNT VERSION CONTACTS MUST BE ORDERED SEPARATELY

SIZE 20

FEMALE CONTACT

"CLOSED ENTRY" DESIGN



Part Number: FC720N2

Wire size 0.5-0.3-0.25 mm² [20-22-24 AWG]

REMOVABLE CRIMP CONTACT

FOR USE WITH A.C. PASS-THROUGH AND PANEL MOUNT VERSIONS FOR PCIH, PCIA, PCIM, PCIB & PCIC SERIES CONNECTORS CONTACTS MUST BE ORDERED SEPARATELY

SIZE 16

***FEMALE CONTACT**

"CLOSED ENTRY" DESIGN, L.S.A.





*NOTE: Female contacts feature Large Surface Area (L.S.A.) closed entry contact design which provides maximum mating surfaces between male and female contact and reduced contact resistance during operation.

For information regarding crimp tool and crimping tool techniques, see Application Tools section, pages 104-110.



Connector Families

D-SUBMINIATURE





POSITRONIC INDUSTRIES, INC.

Circular

423 N Campbell Ave • PO Box 8247 • Springfield, MO 65801 Tel (417) 866-2322 • Fax (417) 866-4115 • Toll Free (800) 641-4054 info@connectpositronic.com • www.connectpositronic.com