



Positronic®

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Power Connection Systems Catalog Correction

C-014 Rev G2

Dear Customer:

It is our goal to provide you with up-to-date product literature. In order to achieve this goal, we are supplying the attached pages.

These pages will update your **Power Connection Systems** catalog to the new revision of **C-014 Rev G1**. It also will correct errors contained in our printed material and/or provide information about product expansion. These changes are indicated by ***bold italics and are underlined***. Please reference page numbers at bottom of each page for proper placement in the catalog.

If you would like to request additional printed copies, email your request to info@connectpositronic.com. Please indicate the catalog and revision level requested, along with your name, address, city, state/province, country, and postal code.

Also, updated PDF catalogs can be obtained by visiting our web site at www.connectpositronic.com/catalogs/.

Please update your catalog accordingly.

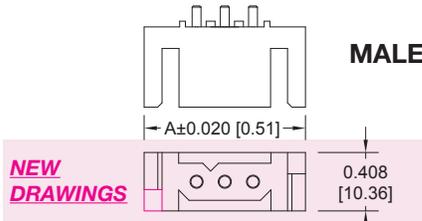
We will make these corrections in the upcoming printing of this catalog. Contact us for any additional information at the location nearest you listed above.



PLA STRAIGHT PRINTED BOARD MOUNT CONNECTORS

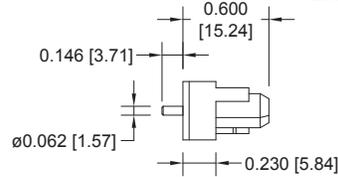
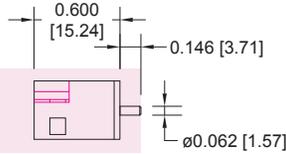
CODE 3, 0.146 [3.71] CONTACT EXTENSION

Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board.

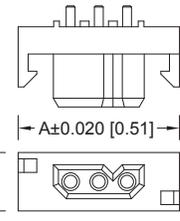


NEW DRAWINGS

Typical part number:
PLA03M300A1
PLAH03M300A1



FEMALE



Typical part number:
PLA03F300A1
PLAH03F300A1

PART NUMBER	A	PART NUMBER	A
PLA03*300A1	1.126 [28.60]	PLA06*300A1	1.718 [43.64]
PLAH03*300A1		PLAH06*300A1	
PLA04*300A1	1.324 [33.63]	PLA08*300A1	2.112 [53.64]
PLAH04*300A1		PLAH08*300A1	

*Asterisk determines gender of connector, M for male, F for female.

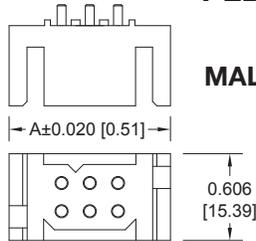
Plating- See ordering information for contact plating options.

For connection systems 1, 4 and 6.

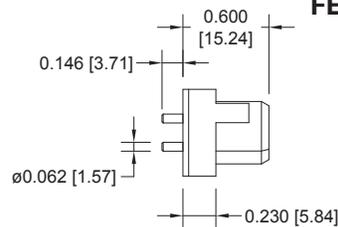
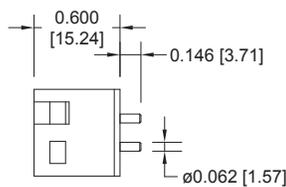
NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

PLB STRAIGHT PRINTED BOARD MOUNT CONNECTORS

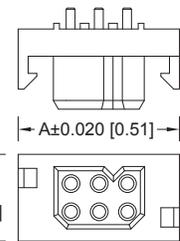
CODE 3, 0.146 [3.71] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLB06F300A1
PLAH06F300A1

PART NUMBER	A	PART NUMBER	A
PLB06*300A1	1.126 [28.60]	PLB16*300A1	2.112 [53.64]
PLBH06*300A1		PLBH16*300A1	
PLB08*300A1	1.324 [33.63]	PLB20*300A1	2.506 [63.65]
PLBH08*300A1		PLBH20*300A1	
PLB12*300A1	1.718 [43.64]		
PLBH12*300A1			

*Asterisk determines gender of connector, M for male, F for female.

Plating- See ordering information for contact plating options.

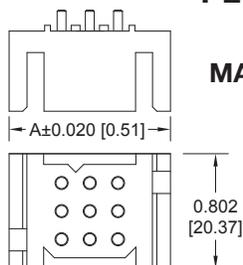
For connection systems 1, 4 and 6.

Typical part number:
PLB06M300A1
PLBH06M300A1

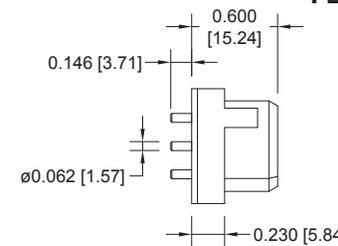
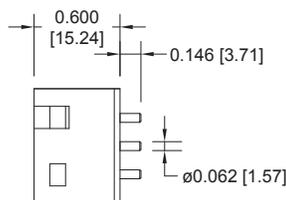
NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

PLC STRAIGHT PRINTED BOARD MOUNT CONNECTORS

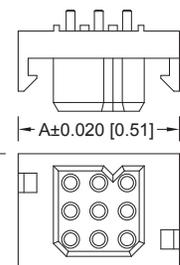
CODE 3, 0.146 [3.71] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLC09F300A1
PLCH09F300A1

PART NUMBER	A	PART NUMBER	A
PLC09*300A1	1.126 [28.60]	PLC24*300A1	2.112 [53.64]
PLCH09*300A1		PLCH24*300A1	
PLC12*300A1	1.324 [33.63]	PLC30*300A1	2.506 [63.65]
PLCH12*300A1		PLCH30*300A1	
PLC18*300A1	1.718 [43.64]		
PLCH18*300A1			

*Asterisk determines gender of connector, M for male, F for female.

Plating- See ordering information for contact plating options.

For connection systems 1, 4 and 6.

NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

DIMENSIONS ARE IN INCHES [MILLIMETERS]. ALL DIMENSIONS ARE SUBJECT TO CHANGE.

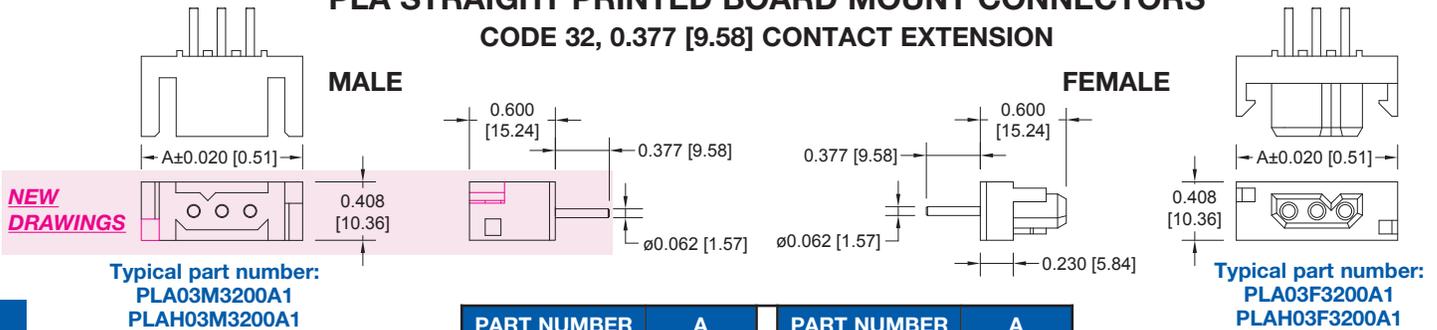


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STRAIGHT SOLDER PRINTED BOARD CONNECTOR

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PLA STRAIGHT PRINTED BOARD MOUNT CONNECTORS CODE 32, 0.377 [9.58] CONTACT EXTENSION



PART NUMBER	A	PART NUMBER	A
PLA03*3200A1 PLAH03*3200A1	1.126 [28.60]	PLA06*3200A1 PLAH06*3200A1	1.718 [43.64]
PLA04*3200A1 PLAH04*3200A1	1.324 [33.63]	PLA08*3200A1 PLAH08*3200A1	2.112 [53.64]

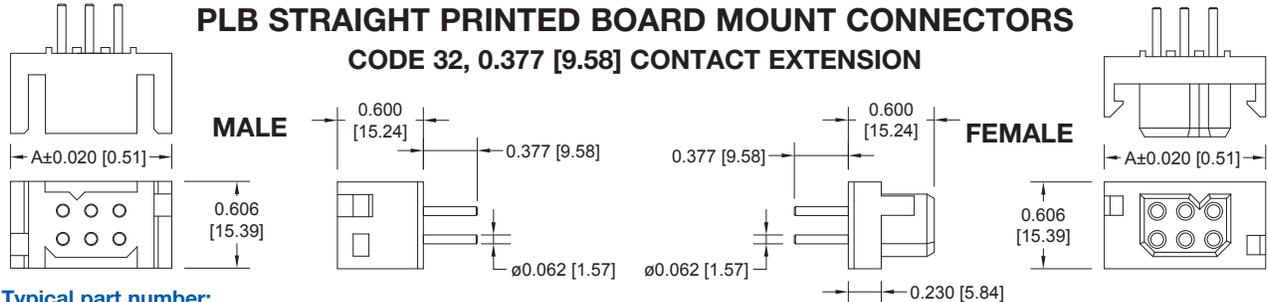
*Asterisk determines gender of connector,
M for male, F for female.

Plating- See ordering information
for contact plating options.

For connection systems 1, 3, 4 and 6.

NOTE: MOUNTING SCREWS CAN
BE SUPPLIED WITH CONNECTORS
USING STEP 5 IN ORDERING
INFORMATION ON PAGE 26.
MOUNTING SCREWS CAN ALSO BE
ORDERED SEPARATELY BY PART
NUMBER. SEE PAGE 59.

PLB STRAIGHT PRINTED BOARD MOUNT CONNECTORS CODE 32, 0.377 [9.58] CONTACT EXTENSION



PART NUMBER	A	PART NUMBER	A
PLB06*3200A1 PLBH06*3200A1	1.126 [28.60]	PLB16*3200A1 PLBH16*3200A1	2.112 [53.64]
PLB08*3200A1 PLBH08*3200A1	1.324 [33.63]	PLB20*3200A1 PLBH20*3200A1	2.506 [63.65]
PLB12*3200A1 PLBH12*3200A1	1.718 [43.64]		

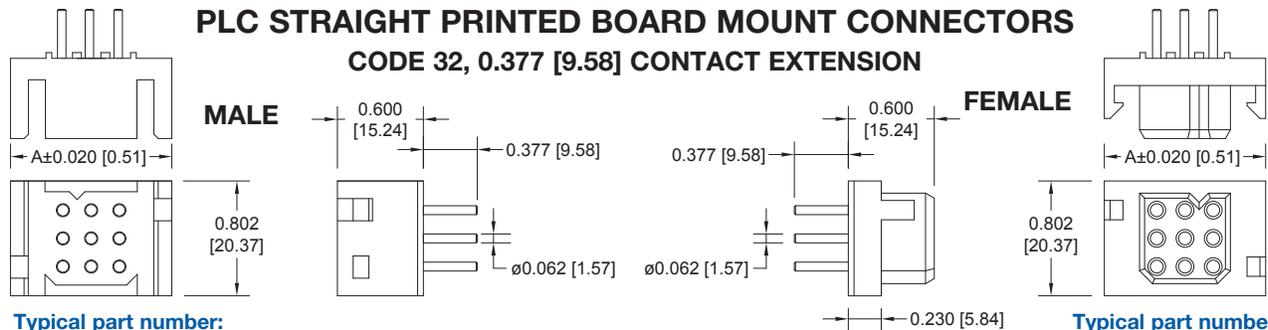
*Asterisk determines gender of connector,
M for male, F for female.

Plating- See ordering information
for contact plating options.

For connection systems 1, 3, 4 and 6.

NOTE: MOUNTING SCREWS CAN
BE SUPPLIED WITH CONNECTORS
USING STEP 5 IN ORDERING
INFORMATION ON PAGE 26.
MOUNTING SCREWS CAN ALSO BE
ORDERED SEPARATELY BY PART
NUMBER. SEE PAGE 59.

PLC STRAIGHT PRINTED BOARD MOUNT CONNECTORS CODE 32, 0.377 [9.58] CONTACT EXTENSION



PART NUMBER	A	PART NUMBER	A
PLC09*3200A1 PLCH09*3200A1	1.126 [28.60]	PLC24*3200A1 PLCH24*3200A1	2.112 [53.64]
PLC12*3200A1 PLCH12*3200A1	1.324 [33.63]	PLC30*3200A1 PLCH30*3200A1	2.506 [63.65]
PLC18*3200A1 PLCH18*3200A1	1.718 [43.64]		

*Asterisk determines gender of connector,
M for male, F for female.

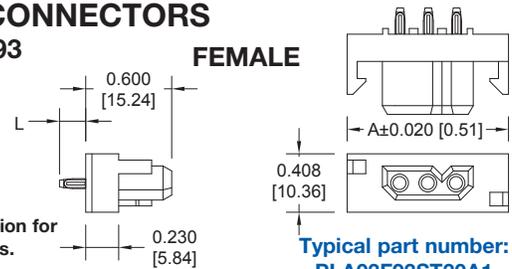
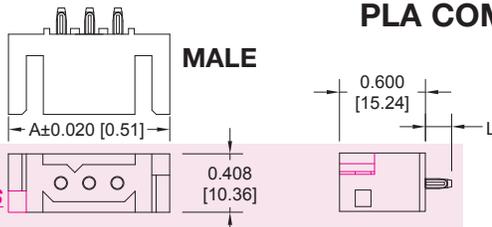
Plating- See ordering information
for contact plating options.

For connection systems 1, 3, 4 and 6.

NOTE: MOUNTING SCREWS CAN
BE SUPPLIED WITH CONNECTORS
USING STEP 5 IN ORDERING
INFORMATION ON PAGE 26.
MOUNTING SCREWS CAN ALSO BE
ORDERED SEPARATELY BY PART
NUMBER. SEE PAGE 59.



PLA COMPLIANT PRESS-IN CONNECTORS
CODE 92 OR CODE 93



NEW DRAWINGS

Typical part number:
PLA03M93ST30A1
PLAH03M93ST30A1

PART NUMBER	A
PLA03**00A1 PLAH03**00A1	1.126 [28.60]
PLA04**00A1 PLAH04**00A1	1.324 [33.63]
PLA06**00A1 PLAH06**00A1	1.718 [43.64]
PLA08**00A1 PLAH08**00A1	2.112 [53.64]

**Asterisks determine gender of connector, M for male, F for female and contact code 92 or 93.

See page 56 for Installation Tooling.

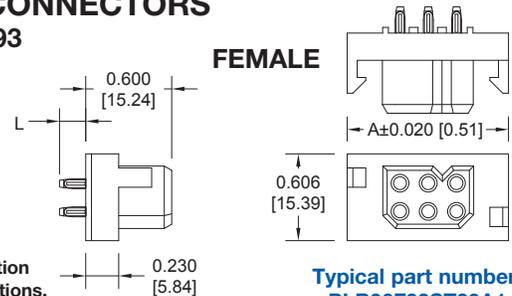
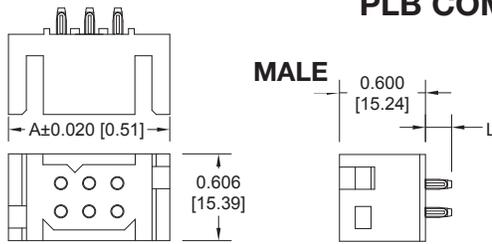
Plating- See ordering information for contact plating options.
For connection systems 1, 4 and 6.

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws can be supplied with connectors using step 5 in ordering information on page 26. Mounting screws can also be ordered separately by part number. See page 59.

Typical part number:
PLA03F93ST30A1
PLAH03F93ST30A1

CONTACT CODE	L	PCB THICKNESS
92	0.183 [4.65]	0.093 [2.36]
93	0.218 [5.54]	0.125 [3.18]

PLB COMPLIANT PRESS-IN CONNECTORS
CODE 92 OR CODE 93



Typical part number:
PLB06M93ST30A1
PLBH06M93ST30A1

PART NUMBER	A
PLB06**00A1 PLBH06**00A1	1.126 [28.60]
PLB08**00A1 PLBH08**00A1	1.324 [33.63]
PLB12**00A1 PLBH12**00A1	1.718 [43.64]
PLB16**00A1 PLBH16**00A1	2.112 [53.64]
PLB20**00A1 PLBH20**00A1	2.506 [63.65]

**Asterisks determine gender of connector, M for male, F for female and contact code 92 or 93.

See page 56 for Installation Tooling.

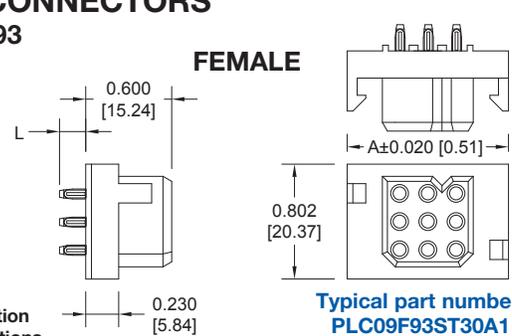
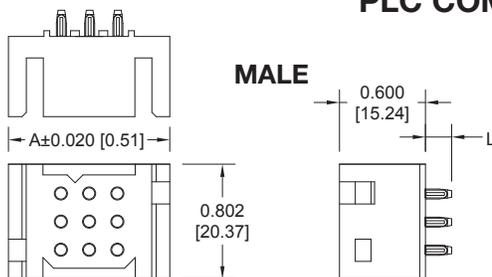
Plating- See ordering information for contact plating options.
For connection systems 1, 4 and 6.

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws can be supplied with connectors using step 5 in ordering information on page 26. Mounting screws can also be ordered separately by part number. See page 59.

Typical part number:
PLB06F93ST30A1
PLBH06F93ST30A1

CONTACT CODE	L	PCB THICKNESS
92	0.183 [4.65]	0.093 [2.36]
93	0.218 [5.54]	0.125 [3.18]

PLC COMPLIANT PRESS-IN CONNECTORS
CODE 92 OR CODE 93



Typical part number:
PLC09M93ST30A1
PLCH09M93ST30A1

PART NUMBER	A
PLC09**00A1 PLCH09**00A1	1.126 [28.60]
PLC12**00A1 PLCH12**00A1	1.324 [33.63]
PLC18**00A1 PLCH18**00A1	1.718 [43.64]
PLC24**00A1 PLCH24**00A1	2.112 [53.64]
PLC30**00A1 PLCH30**00A1	2.506 [63.65]

**Asterisks determine gender of connector, M for male, F for female and contact code 92 or 93.

See page 56 for Installation Tooling.

Plating- See ordering information for contact plating options.
For connection systems 1, 4 and 6.

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws can be supplied with connectors using step 5 in ordering information on page 26. Mounting screws can also be ordered separately by part number. See page 59.

Typical part number:
PLC09F93ST30A1
PLCH09F93ST30A1

CONTACT CODE	L	PCB THICKNESS
92	0.183 [4.65]	0.093 [2.36]
93	0.218 [5.54]	0.125 [3.18]



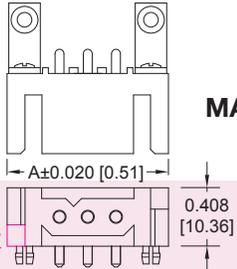
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RIGHT ANGLE (90°) SOLDER PRINTED BOARD CONNECTOR

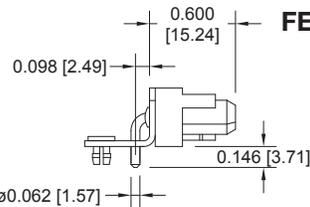
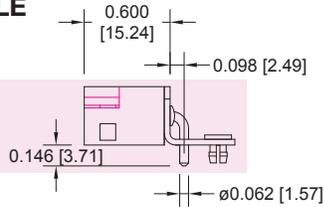
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Systems

PLA RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 4, 0.146 [3.71] CONTACT EXTENSION

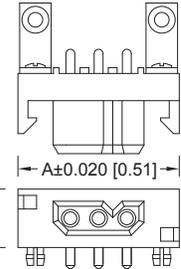
NEW
DRAWINGS



MALE



FEMALE



Typical part number:
PLA03M4BN0A1
PLAH03M4BN0A1

Typical part number:
PLA03F4BN0A1
PLAH03F4BN0A1

NOTE: MOUNTING SCREWS
CAN BE ORDERED
SEPARATELY BY PART
NUMBER WHEN CHOOSING
B3 BRACKETS. SEE PAGE 59.

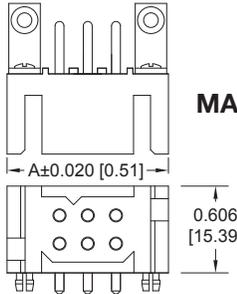
PART NUMBER	A	PART NUMBER	A
PLA03*400A1	1.126 [28.60]	PLA06*400A1	1.718 [43.64]
PLA04*400A1	1.324 [33.63]	PLA08*400A1	2.112 [53.64]

Plating- See ordering information for
contact plating options.

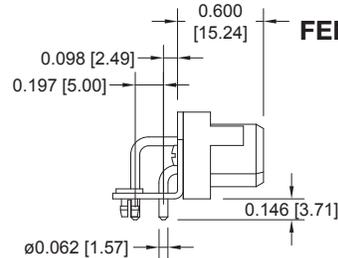
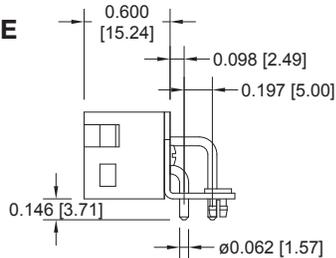
For connection systems 1, 2 and 5.

*Asterisk determines gender of connector,
M for male, F for female.

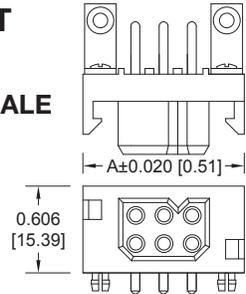
PLB RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 4, 0.146 [3.71] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLB06M4BN0A1
PLBH06B4BN0A1

Typical part number:
PLB06F4BN0A1
PLBH06F4BN0A1

NOTE: MOUNTING SCREWS
CAN BE ORDERED
SEPARATELY BY PART
NUMBER WHEN CHOOSING
B3 BRACKETS. SEE PAGE 59.

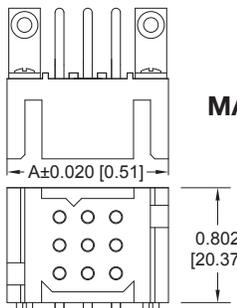
PART NUMBER	A	PART NUMBER	A
PLB06*400A1	1.126 [28.60]	PLB16*400A1	2.112 [53.64]
PLB08*400A1	1.324 [33.63]	PLB20*400A1	2.506 [63.65]
PLB12*400A1	1.718 [43.64]		

Plating- See ordering information for
contact plating options.

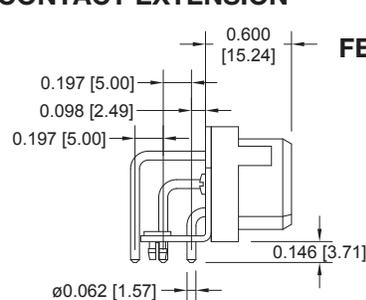
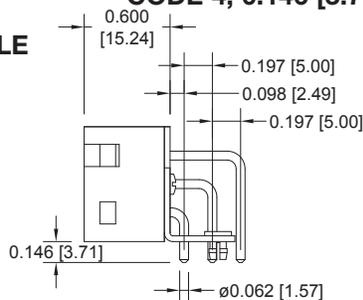
For connection systems 1, 2 and 5.

*Asterisk determines gender of connector,
M for male, F for female.

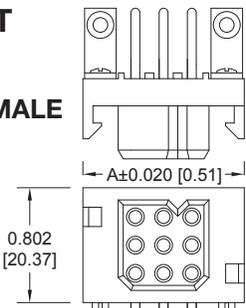
PLC RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 4, 0.146 [3.71] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLC09M4BN0A1
PLCH09M4BN0A1

Typical part number:
PLC09F4BN0A1
PLCH09F4BN0A1

NOTE: MOUNTING SCREWS
CAN BE ORDERED
SEPARATELY BY PART
NUMBER WHEN CHOOSING
B3 BRACKETS. SEE PAGE 59.

PART NUMBER	A	PART NUMBER	A
PLC09*400A1	1.126 [28.60]	PLC24*400A1	2.112 [53.64]
PLC12*400A1	1.324 [33.63]	PLC30*400A1	2.506 [63.65]
PLC18*400A1	1.718 [43.64]		

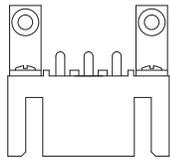
Plating- See ordering information for
contact plating options.

For connection systems 1, 2 and 5.

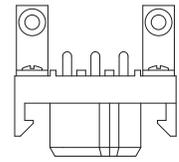
*Asterisk determines gender of connector,
M for male, F for female.



PLA RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 42, 0.377 [9.58] CONTACT EXTENSION

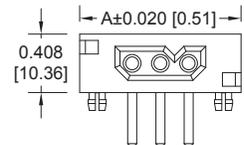
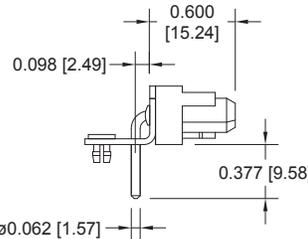
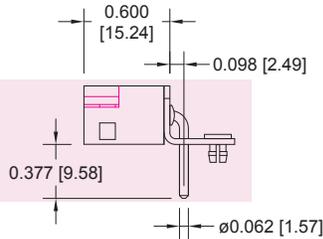
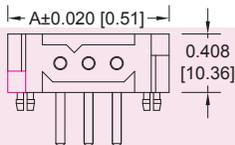


MALE



FEMALE

NEW DRAWINGS



Typical part number:
PLA03M42BN0A1
PLAH03M42BN0A1

Typical part number:
PLA03F42BN0A1
PLAH03F42BN0A1

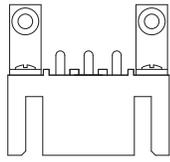
NOTE: MOUNTING SCREWS CAN BE ORDERED SEPARATELY BY PART NUMBER WHEN CHOOSING B3 BRACKETS. SEE PAGE 59.

PART NUMBER	A	PART NUMBER	A
PLA03*4200A1 PLAH03*4200A1	1.126 [28.60]	PLA06*4200A1 PLAH06*4200A1	1.718 [43.64]
PLA04*4200A1 PLAH04*4200A1	1.324 [33.63]	PLA08*4200A1 PLAH08*4200A1	2.112 [53.64]

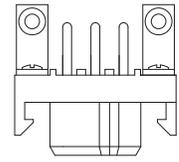
Plating- See ordering information for contact plating options.
For connection systems 1, 2, 3 and 5.

*Asterisk determines gender of connector, M for male, F for female.

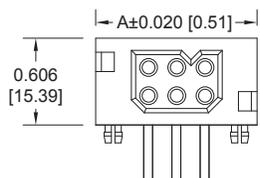
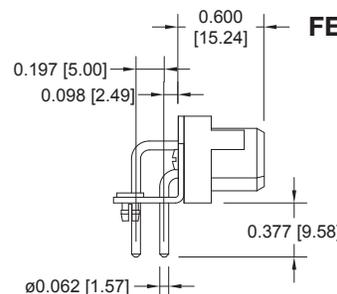
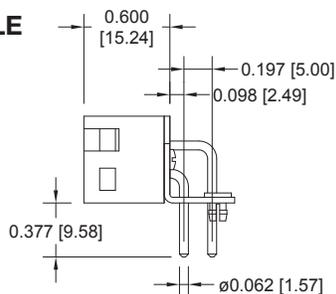
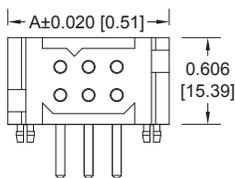
PLB RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 42, 0.377 [9.58] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLB06M42BN0A1
PLBH06M42BN0A1

Typical part number:
PLB06F42BN0A1
PLBH06F42BN0A1

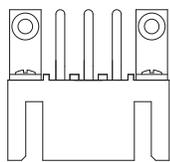
NOTE: MOUNTING SCREWS CAN BE ORDERED SEPARATELY BY PART NUMBER WHEN CHOOSING B3 BRACKETS. SEE PAGE 59.

PART NUMBER	A	PART NUMBER	A
PLB06*4200A1 PLBH06*4200A1	1.126 [28.60]	PLB16*4200A1 PLBH16*4200A1	2.112 [53.64]
PLB08*4200A1 PLBH08*4200A1	1.324 [33.63]	PLB20*4200A1 PLBH20*4200A1	2.506 [63.65]
PLB12*4200A1 PLBH12*4200A1	1.718 [43.64]		

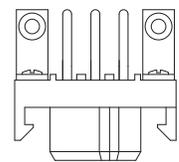
Plating- See ordering information for contact plating options.
For connection systems 1, 2, 3 and 5.

*Asterisk determines gender of connector, M for male, F for female.

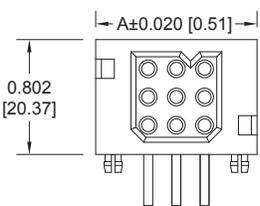
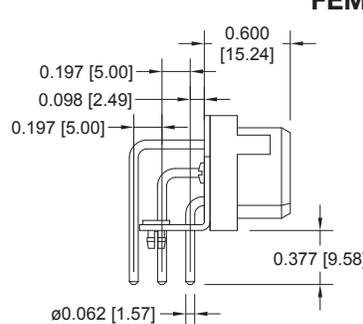
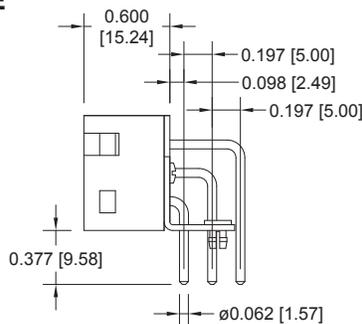
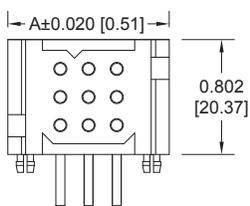
PLC RIGHT ANGLE (90°) PRINTED BOARD MOUNT CODE 42, 0.377 [9.58] CONTACT EXTENSION



MALE



FEMALE



Typical part number:
PLC09M42BN0A1
PLCH09M42BN0A1

Typical part number:
PLC09F42BN0A1
PLCH09F42BN0A1

NOTE: MOUNTING SCREWS CAN BE ORDERED SEPARATELY BY PART NUMBER WHEN CHOOSING B3 BRACKETS. SEE PAGE 59.

PART NUMBER	A	PART NUMBER	A
PLC09*4200A1 PLCH09*4200A1	1.126 [28.60]	PLC24*4200A1 PLCH24*4200A1	2.112 [53.64]
PLC12*4200A1 PLCH12*4200A1	1.324 [33.63]	PLC30*4200A1 PLCH30*4200A1	2.506 [63.65]
PLC18*4200A1 PLCH18*4200A1	1.718 [43.64]		

Plating- See ordering information for contact plating options.
For connection systems 1, 2, 3 and 5.

DIMENSIONS ARE IN INCHES [MILLIMETERS]. ALL DIMENSIONS ARE SUBJECT TO CHANGE. 17

*Asterisk determines gender of connector, M for male, F for female.



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RIGHT ANGLE (90°) PRESS-IN CONNECTOR FOR USE WITH "FLAT ROCK" TOOLING

Power
Connection
Systems

PLA RIGHT ANGLE (90°) PRESS-IN CONNECTOR

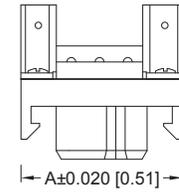
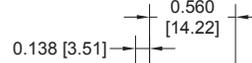
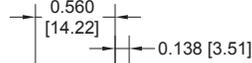
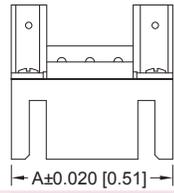
CODE 62 OR CODE 63

For connection systems 1, 2 and 5.

MALE

FEMALE

NEW
DRAWINGS



Typical part number:
PLA03M63B30A1
PLAH03M63B30A1

Typical part number:
PLA03F63B30A1
PLAH03F63B30A1

Plating- See ordering information for contact plating options.

PART NUMBER	A	PART NUMBER	A
PLA03**B30A1	1.126 [28.60]	PLA06**B30A1	1.718 [43.64]
PLAH03**B30A1		PLAH06**B30A1	
PLA04**B30A1	1.324 [33.63]	PLA08**B30A1	2.112 [53.64]
PLAH04**B30A1		PLAH08**B30A1	

CONTACT CODE	L	PCB THICKNESS
62	0.183 [4.65]	0.093 [2.36]
63	0.219 [5.56]	0.125 [3.18]

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws are ordered separately by part number. See page 59.

**Asterisk determines gender of connector, M for male, F for female, and contact code 62 or 63.

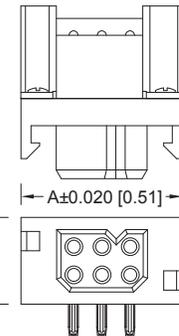
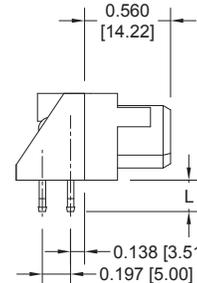
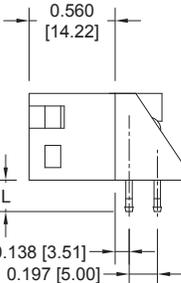
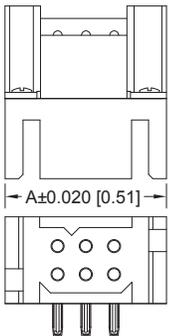
PLB RIGHT ANGLE (90°) PRESS-IN CONNECTOR

CODE 62 OR CODE 63

For connection systems 1, 2 and 5.

MALE

FEMALE



Typical part number:
PLB06M63B30A1
PLBH06M63B30A1

Typical part number:
PLB06F63B30A1
PLBH06F63B30A1

Plating- See ordering information for contact plating options.

PART NUMBER	A	PART NUMBER	A
PLB06**B30A1	1.126 [28.60]	PLB12**B30A1	1.718 [43.64]
PLBH06**B30A1		PLBH12**B30A1	
PLB08**B30A1	1.324 [33.63]	PLB16**B30A1	2.112 [53.64]
PLBH08**B30A1		PLBH16**B30A1	

CONTACT CODE	L	PCB THICKNESS
62	0.183 [4.65]	0.093 [2.36]
63	0.219 [5.56]	0.125 [3.18]

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws are ordered separately by part number. See page 59.

**Asterisk determines gender of connector, M for male, F for female, and contact code 62 or 63.

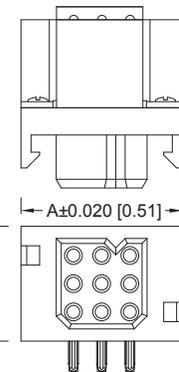
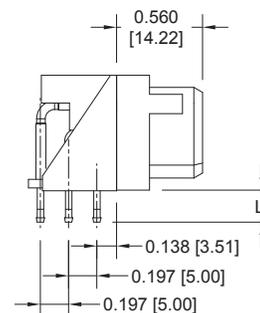
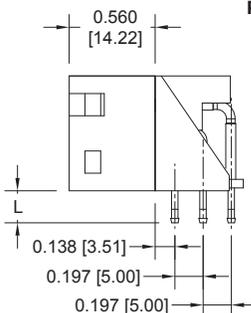
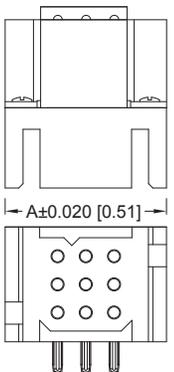
PLC RIGHT ANGLE (90°) PRESS-IN CONNECTOR

CODE 62 OR CODE 63

For connection systems 1, 2 and 5.

MALE

FEMALE



Typical part number:
PLC09M63B30A1
PLCH09M63B30A1

Typical part number:
PLC09F63B30A1
PLCH09F63B30A1

Plating- See ordering information for contact plating options.

PART NUMBER	A	PART NUMBER	A
PLC09**B30A1	1.126 [28.60]	PLC24**B30A1	2.112 [53.64]
PLCH09**B30A1		PLCH24**B30A1	
PLC12**B30A1	1.324 [33.63]	PLC30**B30A1	2.506 [63.65]
PLCH12**B30A1		PLCH30**B30A1	
PLC18**B30A1	1.718 [43.64]		
PLCH18**B30A1			

CONTACT CODE	L	PCB THICKNESS
62	0.183 [4.65]	0.093 [2.36]
63	0.219 [5.56]	0.125 [3.18]

NOTE: Positronic recommends the practice of using mounting hardware to secure connector to printed circuit board. Mounting screws are ordered separately by part number. See page 59.

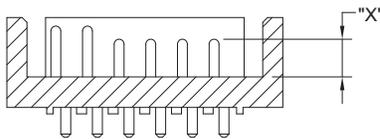
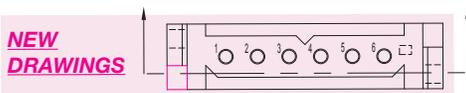
**Asterisk determines gender of connector, M for male, F for female, and contact code 62 or 63.

Rev G2

SEQUENTIAL MATING SYSTEM

*REMOVABLE CONTACTS FOR CABLE CONNECTORS MUST BE ORDERED SEPARATELY
FOR CONTACT SELECTION, SEE SIZE 16 CONTACTS ON PAGE 49

EXAMPLE 1

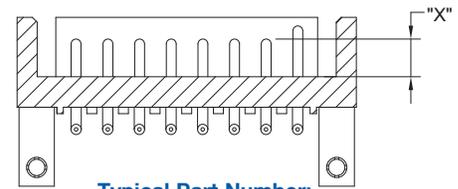
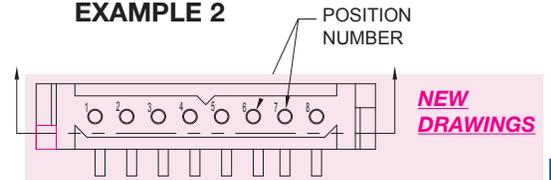


Typical Part Number:
PLA06M300A1-E1B2B

LENGTH CODE	"X" CONTACT LENGTH
A	0.370 [9.40]
B	0.330 [8.38]
C	0.310 [7.87]
D	0.290 [7.37]
E	0.250 [6.35]

MATING CONNECTOR TYPE	CONTACT OPTIONS
Board to Board	B, D, E
Board to Cable*	A, C, E
Cable to Cable*	A, D

EXAMPLE 2



Typical Part Number:
PLA08M4B0C1-D8B

SEQUENTIAL MATING SYSTEM CRIMP REMOVABLE CONTACT PART NUMBERS

WIRE SIZE AWG/[mm ²]	LENGTH CODE "A"	LENGTH CODE "C"	LENGTH CODE "D"	LENGTH CODE "E"
12 - 14 [4.0 - 2.5]	MC112N-133.3	MC112N-133.2	MC112N-133.1	MC112N-133.0
16 - 18 - 20 [1.5 - 1.0 - 0.5]	MC116N-133.3	MC116N-133.2	MC116N-133.1	MC116N-133.0

*For information regarding
size 16 removable contacts,
see Removable Contact section,
pages 47-53.*

SELECTION GUIDE FOR ORDERING DIFFERENT CONTACT LENGTHS

STEP 9 OF ORDERING INFORMATION

SELECT CONNECTOR USING ORDERING INFORMATION ON PAGE 26
THEN CHOOSE STEPS BELOW FOR SEQUENTIAL MATING SYSTEM CONTACTS

STEP	1	2	3	4	5	6	7	8	9
EXAMPLE	E	1	B	2	B	3	D	4	D

STEP 1

Specify code for most frequently used contact mating length. This length is used for all contacts not specified in steps 2 through 9.

STEP 2

Position number for first special length contact.

STEP 3

Length of contact specified in step 2. (Choose from length code chart)

STEP 4

Position number for second special length contact.

STEP 9

Length of contact specified in step 8 (Choose from length code chart).

STEP 8

Position number for fourth special length contact.

STEP 7

Length of contact specified in step 6 (Choose from length code chart).

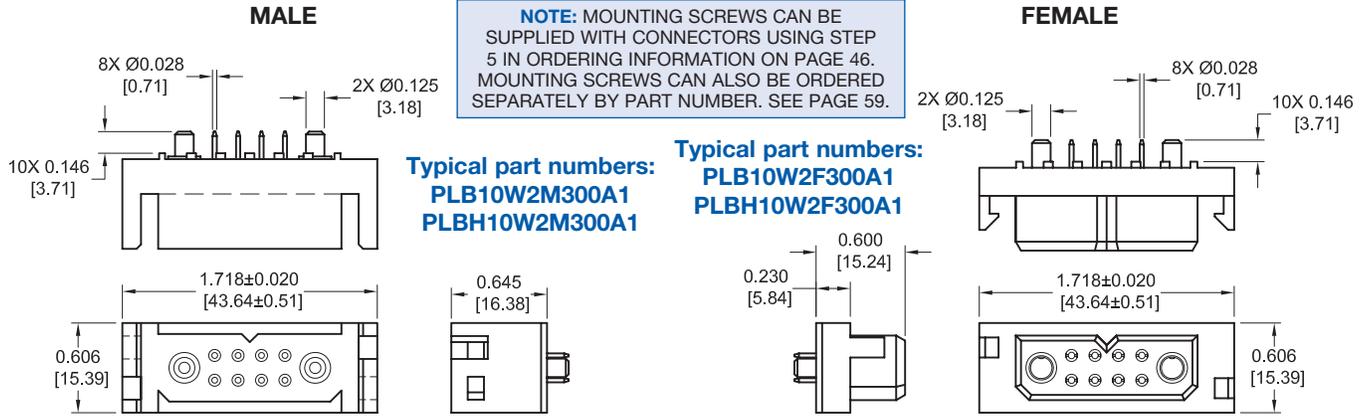
STEP 6

Position number for third special length contact.

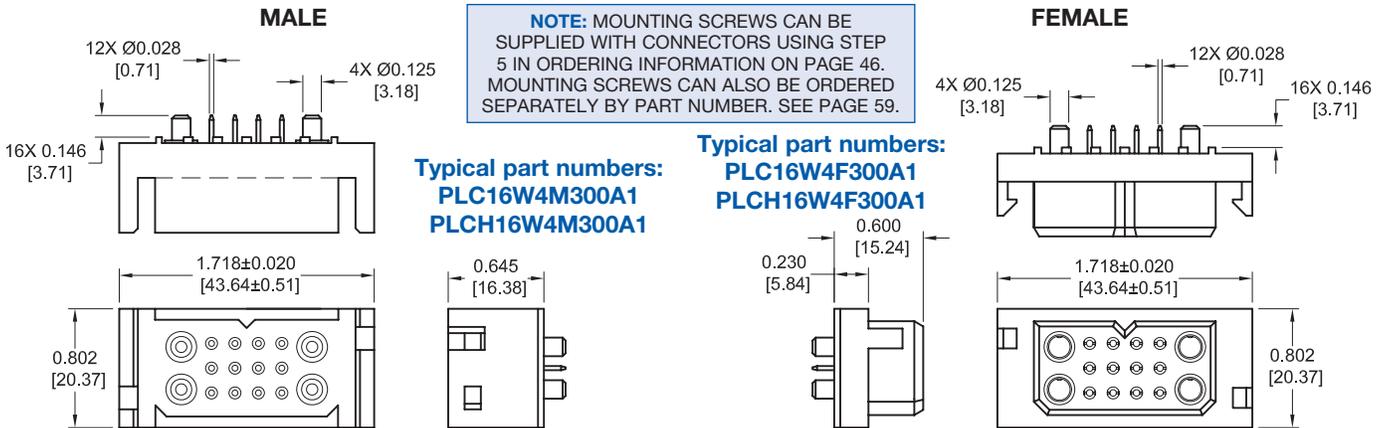
STEP 5

Length of contact specified in step 4 (Choose from length code chart).

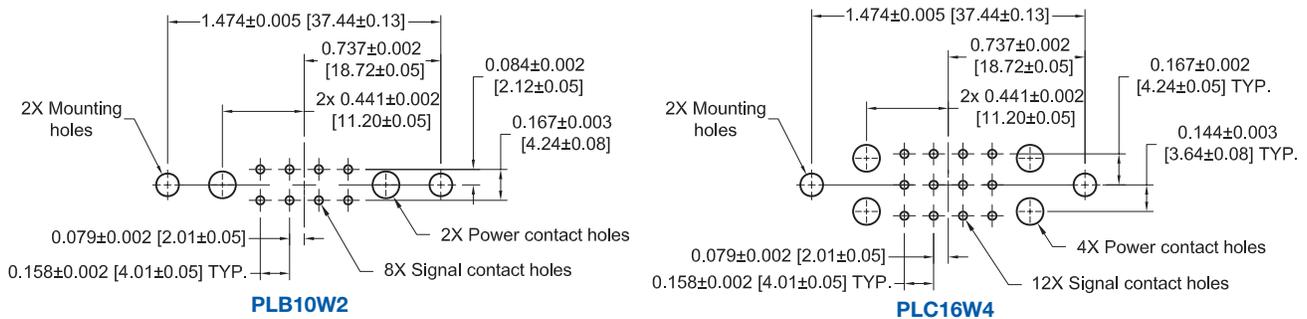
PLB(H)10W2 STRAIGHT PRINTED BOARD MOUNT CONNECTOR CODE 3, 0.146 [3.71] CONTACT EXTENSION



PLC(H)16W4 STRAIGHT PRINTED BOARD MOUNT CONNECTOR CODE 3, 0.146 [3.71] CONTACT EXTENSION



STRAIGHT SOLDER AND COMPLIANT CONTACT HOLE PATTERN



SUGGESTED PRINTED BOARD HOLE SIZES:

- Suggest 0.145 [3.68] Ø hole in printed board for power contact termination positions.
- Suggest 0.045 [1.14] Ø hole for signal solder contact termination positions.
- Suggest 0.100 [2.54] Ø hole in printed board when mounting connectors with #2 thread forming screws.
- Suggest 0.123±0.003 [3.12±0.08] Ø hole in printed board for mounting connector with push-on fasteners.

NOTE: See page 57 for suggested printed board drill hole sizes, recommended plating and finished hole sizes for compliant contact termination positions.



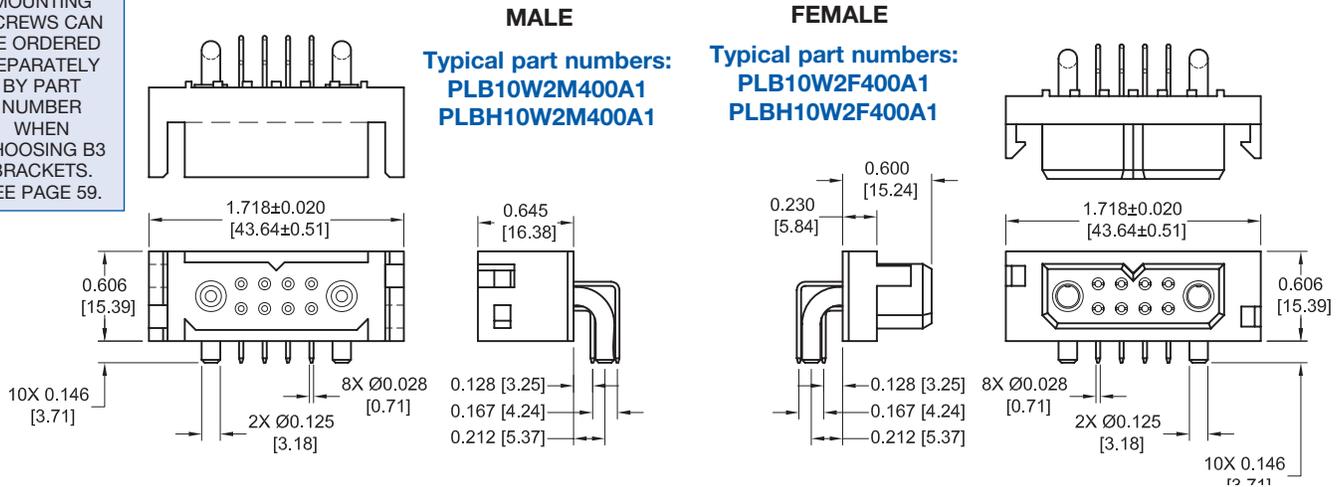
Positronic
connectpositronic.com

RIGHT ANGLE (90°) PRINTED BOARD CONNECTOR AND CONTACT HOLE PATTERN

Power
Connection
Systems

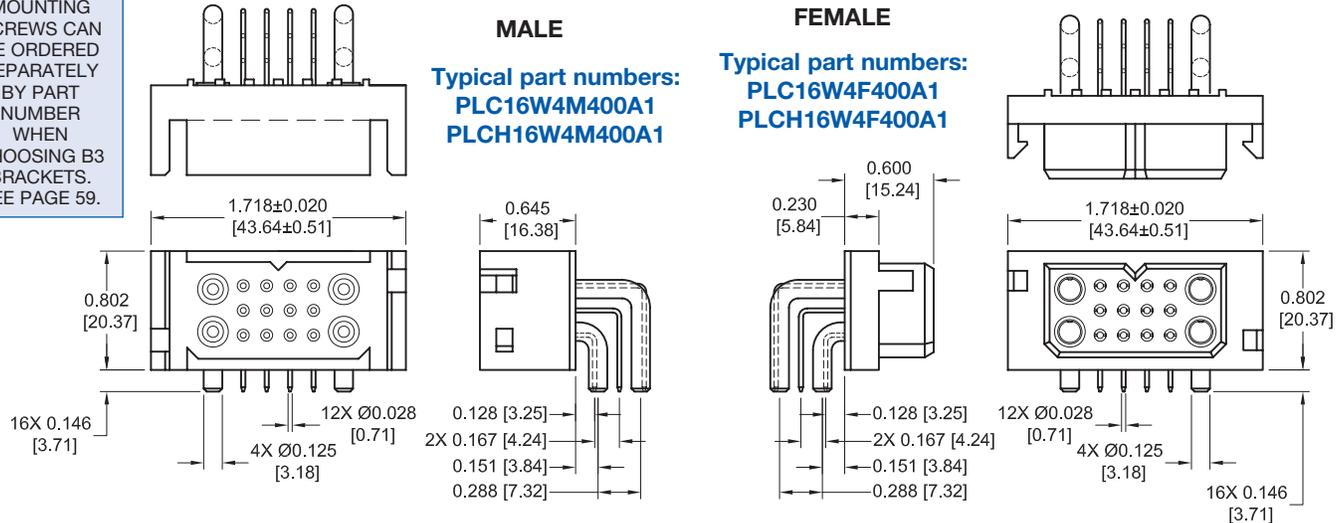
PLB(H)10W2 RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR CODE 4, 0.146 [3.71] CONTACT EXTENSION

NOTE:
MOUNTING
SCREWS CAN
BE ORDERED
SEPARATELY
BY PART
NUMBER
WHEN
CHOOSING B3
BRACKETS.
SEE PAGE 59.

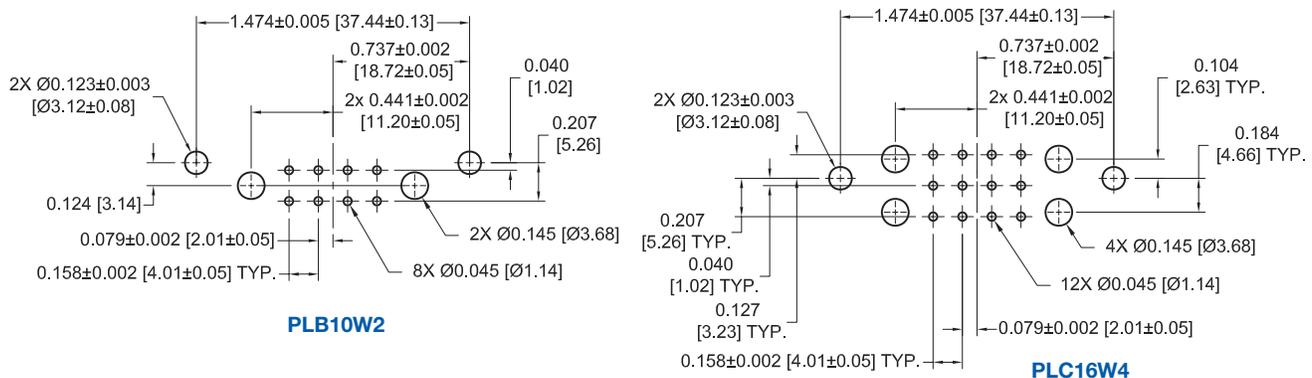


PLC(H)16W4 RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR CODE 4, 0.146 [3.71] CONTACT EXTENSION

NOTE:
MOUNTING
SCREWS CAN
BE ORDERED
SEPARATELY
BY PART
NUMBER
WHEN
CHOOSING B3
BRACKETS.
SEE PAGE 59.



RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONTACT HOLE PATTERN



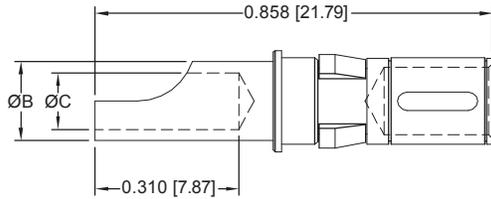


REMOVABLE HIGH VOLTAGE CONTACT SIZE 8

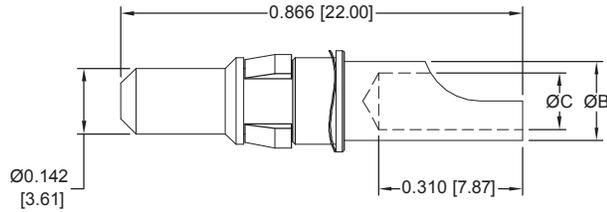
REMOVABLE SOLDER CUP CONTACT FOR USE WITH PCS MIXED DENSITY SERIES CONNECTORS CONTACTS MUST BE ORDERED SEPARATELY SIZE 8

Note: Connectors can be kitted with all applicable crimp/solder contacts, contact Technical Sales for connector part number.

* FEMALE CONTACT CLOSED ENTRY, L.S.A.



MALE CONTACT



PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB	ØC
FS4008D	40 amperes	8 / [10.0]	0.219 [5.56]	0.182 [4.62]
FS4012D	20 amperes	12 / [4.0]	0.143 [3.63]	0.112 [2.84]
FS4016D	10 amperes	16 / [1.5]	0.100 [2.54]	0.069 [1.75]

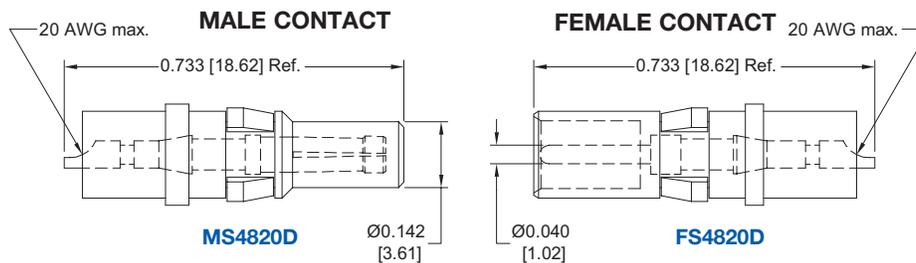
PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB	ØC
MS4008D	40 amperes	8 / [10.0]	0.219 [5.56]	0.188 [4.78]
MS4012D	20 amperes	12 / [4.0]	0.143 [3.63]	0.112 [2.84]
MS4016D	10 amperes	16 / [1.5]	0.100 [2.54]	0.069 [1.75]

*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.

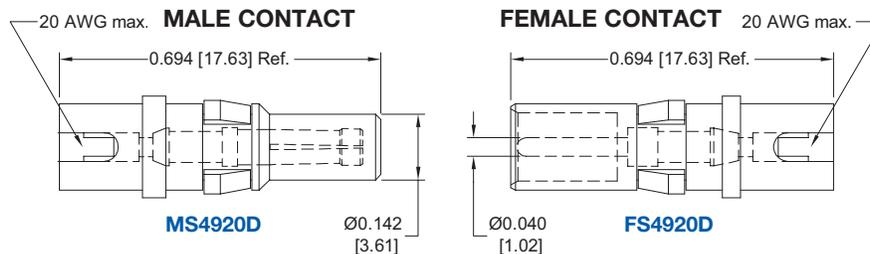
REMOVABLE HIGH VOLTAGE CONTACT FOR USE WITH PCS MIXED DENSITY SERIES CONNECTORS CONTACTS MUST BE ORDERED SEPARATELY SIZE 8

Note: Connectors can be kitted with all applicable crimp/solder contacts, contact Technical Sales for connector part number.

STRAIGHT SOLDER WIRE TERMINATION



RIGHT ANGLE (90°) SOLDER WIRE TERMINATION



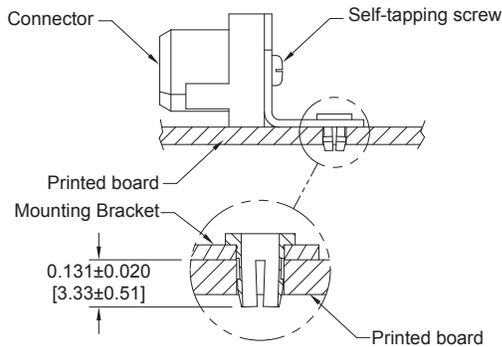
For information regarding CRIMP TOOLS & CRIMPING TOOL TECHNIQUES, see page 54.

PUSH-ON FASTENERS

CODE BN OR CODE N ON STEP 5 OF ORDERING INFORMATION PAGE

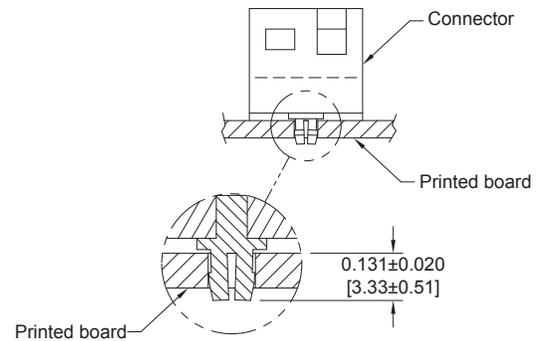
CODE BN

FOR USE WITH RIGHT ANGLE (90°) CONNECTOR



CODE N

FOR USE WITH STRAIGHT SOLDER CONNECTOR



MATERIAL: Spring tempered copper alloy, tin plated.

SUGGESTED PRINTED BOARD HOLE SIZES:

Suggest 0.123 ±0.002 [3.12] Ø hole in printed board for mounting connector with push-on fasteners.

MOUNTING SCREWS

CODE ST2, ST3, ST4, SS2, SS3, OR SS4 ON STEP 5 OF ORDERING INFORMATION PAGE

**NOTE: MOUNTING SCREWS FOR RIGHT ANGLE CONNECTORS ARE ORDERED SEPARATELY
USING PART NUMBERS SHOWN IN CHART BELOW.**

Stresses that occur during coupling and uncoupling of connectors or through shock and vibration of systems can be transferred to backplanes or P.C. boards through press-in connector terminations. Avoid concern over electrical integrity of the connector to board interface by using mounting screws. Bellcore GR1217 details a preference for the use of mounting hardware and we recommend this practice.

SCREWS ARE #2 SELF-TAPPING FOR PLASTIC.

MOUNTING STYLE OPTION	MATERIAL OPTIONS	PART NUMBER	THREAD LENGTH	P.C. BOARED THICKNESS
ST2	STEEL	A4546-7-1-97	$\frac{0.250 \pm 0.030}{[6.35 \pm 0.76]}$	$\frac{0.093}{[2.36]}$
ST3	STEEL	A4546-7-2-97	$\frac{0.312 \pm 0.030}{[7.93 \pm 0.76]}$	$\frac{0.125}{[3.18]}$
ST4	STEEL	A4546-7-3-97	$\frac{0.375 \pm 0.030}{[9.53 \pm 0.76]}$	$\frac{0.175}{[4.45]}$
SS2	STAINLESS STEEL	A4546-7-6-4	$\frac{0.250 \pm 0.030}{[6.35 \pm 0.76]}$	$\frac{0.093}{[2.36]}$
SS3	STAINLESS STEEL	A4546-7-7-4	$\frac{0.312 \pm 0.030}{[7.93 \pm 0.76]}$	$\frac{0.125}{[3.18]}$
SS4	STAINLESS STEEL	A4546-7-8-4	$\frac{0.375 \pm 0.030}{[9.53 \pm 0.76]}$	$\frac{0.175}{[4.45]}$

CONSULT TECHNICAL SALES IF AN ALTERNATE SCREW IS REQUIRED.

DIMENSIONS ARE IN INCHES [MILLIMETERS].
ALL DIMENSIONS ARE SUBJECT TO CHANGE.