



PCS SERIES POWER CONNECTORS WITH MIXED DENSITY CONTACTS

* Mixed density contacts

- Power contacts have a resistance as low as 0.0003 ohms and carry up to 85 amperes per UL 1977
- Available with two power contacts and eight signal; or four power contacts and twelve signal
- Solder, press-in or cable terminations
- Integral locking on cable connectors

TECHNICAL CHARACTERISTICS

MATERIALS AND FINISHES:

Insulator:	Glass-filled polyester, UL 94V-0. Contact technical sales for availability of high temperature insulator material.
Contacts:	Precision machined copper alloy with gold flash over nickel, or 0.000030 inch [0.76 μ] gold over nickel, or 0.000050 [1.27 μ] gold over nickel. Solder coated terminations optional.
Mounting Clip:	Beryllium copper with tin plate.
Hood:	Glass filled polyester, UL 94V-0.
Mounting Bracket:	Brass with tin plate.
Push-on Fastener:	Spring tempered copper alloy, tin plate

ELECTRICAL CHARACTERISTICS:

SIGNAL CONTACTS

Contact Current Rating:	7.5 amperes nominal.
Initial Contact Resistance:	0.007 ohms max. per IEC 60512-2, test 2b

POWER CONTACTS

Contact Current Rating:	See temperature rise curves on page 40. For additional information see pages 47-53.
Initial Contact Resistance:	0.0005 ohms max. per IEC 60512-2, test 2b.
Standard Conductivity:	0.0003 ohms max. per IEC 60512-2, test 2b.
High Conductivity:	0.0003 ohms max. per IEC 60512-2, test 2b.

SHIELDED CONTACTS

Initial Contact Resistance:	0.008 ohms maximum.
Nominal Impedance:	50 ohms.
Insertion Loss:	-0.46 dB at 1 GHz -1.5 dB at 2 GHz
VSWR:	1.15 average at 1 GHz 1.56 average at 2 GHz
Above values measured using frequency domain techniques.	
Proof Voltage:	1000 V r.m.s.

ELECTRICAL CHARACTERISTICS, CONTINUED:

HIGH VOLTAGE CONTACTS

Flash over Voltage:	3600 V r.m.s.
Proof Voltage:	2700 V r.m.s.
Initial Contact Resistance:	0.008 ohms maximum.

CONNECTOR

Insulation Resistance:	5 G ohms per IEC 60512-2, test 3a, method A.
Working Voltage:	600 V rms.
Voltage Proof:	2200 V rms per IEC 60512-2, test 4a, method C.
Clearance and Creepage Distance:	0.080 inch [2.03 mm]
Working Temperature:	-55°C to +125°C.

MECHANICAL CHARACTERISTICS:

SIGNAL CONTACTS

Removable:	Insert contact to rear face of insulator, release from front face of insulator. Size 20 contacts, 0.040 inch [1.02 mm] diameter male contacts, closed entry design female contacts.
Fixed:	Straight solder, right angle (90°) solder and straight compliant press-in printed board mount terminations. Size 20 contacts, 0.040 inch [1.02 mm] diameter male contacts, open entry design female contacts.

... continued on next page



For RoHS options
see page 46.

CUL Recognized
File # E49351



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TECHNICAL INFORMATION AND TEMPERATURE RISE CURVES

Power
Connection
Systems

continued from previous page . . .

MECHANICAL CHARACTERISTICS, CONTINUED:

POWER CONTACTS:

Removable:

Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts, 0.142 inch [3.61 mm] diameter male contacts, closed entry design female contacts.

Printed Board Mount:

Straight solder, right angle (90°) solder and straight compliant press-in printed board mount terminations. Size 8 contacts, 0.142 inch [3.61 mm] male contacts, closed entry design female contacts.

SHIELDED CONTACTS:

Removable:

Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts. See page 53 table of cable sizes for contact termination dimensions.

HIGH VOLTAGE CONTACTS:

Removable:

Insert contact to rear face of insulator, release from front face of insulator. Size 8 contacts. Straight and right angle (90°) terminations. 0.041 inch [1.04 mm] minimum hole diameter.

Contact Terminations:

20-24 AWG [0.5-0.25mm²] removable crimp signal, 0.028 inch [0.71 mm] diameter straight and right angle (90°) solder printed board mount,

8-16 AWG [10.0-1.0mm²] removable solder and crimp power, 0.125 inch [3.18 mm] diameter straight and right angle (90°) solder printed board mount, power, shielded, high voltage cable, and straight compliant press-in terminations.

Contact Retention in Insulator:

Fixed signal - 9 lbs. [40 N].
Removable Signal - 10 lbs. [44N].
Power, shielded and high voltage - 22 lbs. [98 N].

Resistance to Solder Iron Heat:

500° F [260° C] for 10 second duration per IEC 60512-6, test 12e, 25 watt soldering iron.

Connection Systems:

Connector provides cable to cable, cable to printed board, cable to panel mount and printed board to printed board application.

Locking System:

Insulators provide locking between cable to cable, cable to printed board and cable to panel mount applications.

Polarizations:

Provided in insulator design.

Mounting to Printed Board:

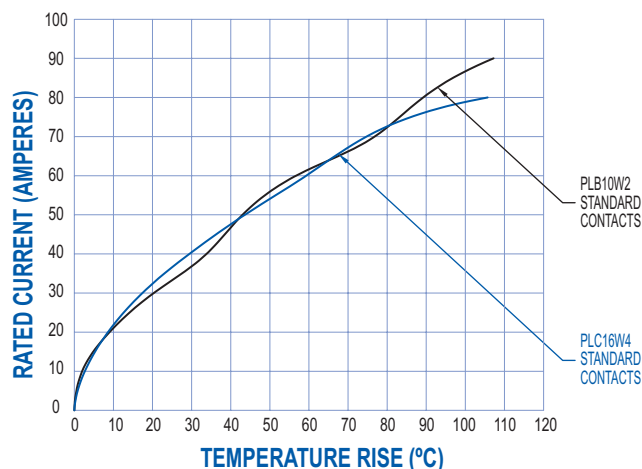
Rapid installation push-on fasteners. Self-tapping screws for compliant connectors.

Mechanical Operations:

500 operations per IEC 60512-5.

TEMPERATURE RISE CURVES

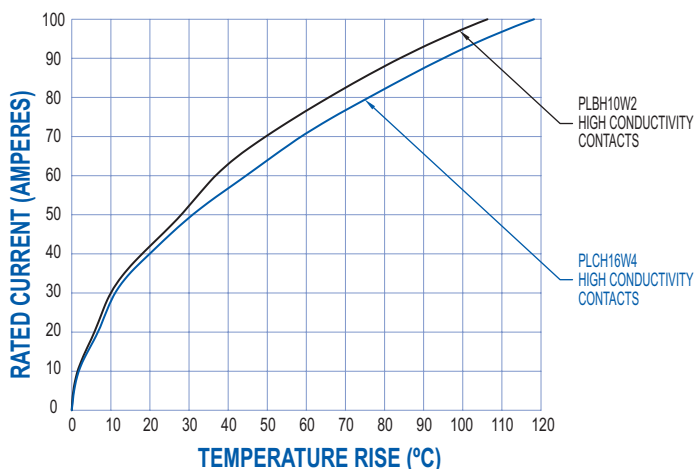
STANDARD CONTACT MATERIAL



Test conducted in accordance with UL1977.
All power contacts under load.

- 10W2:** Curve developed using PLB10W2F9300A1 and PLB10W2M0000 connectors with MC4008D contacts terminated to 8 AWG wire .
- 16W4:** Curve developed using PLC16W4F9300A1 and PLC16W4M0000 connectors with MC4008D contacts terminated to 8 AWG wire.

HIGH CONDUCTIVITY CONTACT MATERIAL

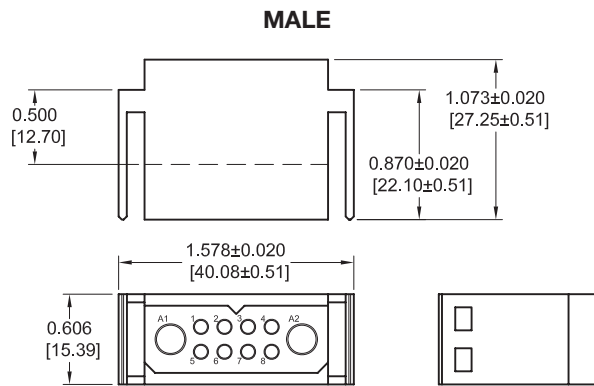


Test conducted in accordance with UL1977.
All power contacts under load.

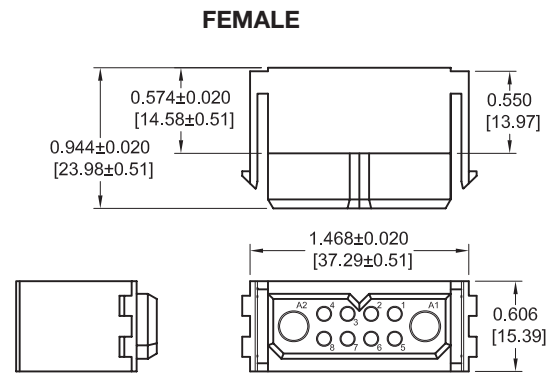
- 10W2:** Curve developed using PLBH10W2F9300A1 and PLB10W2M0000 connectors with MC4008DS contacts terminated to 8 AWG wire .
- 16W4:** Curve developed using PLCH16W4F9300A1 and PLC16W4M0000 connectors with MC4008DS contacts terminated to 8 AWG wire.

PLB10W2 CABLE CONNECTOR
FOR USE WITH SIZE 20 AND SIZE 8 REMOVABLE CONTACTS
CODE 0

CONTACTS ARE NOT SUPPLIED WITH CONNECTOR AND MUST BE ORDERED SEPARATELY



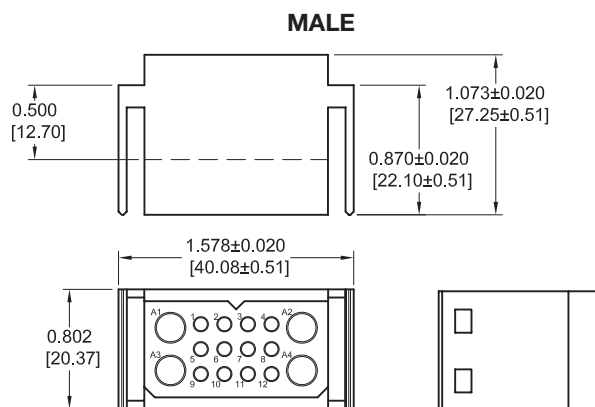
Part Number:
PLB10W2M0000



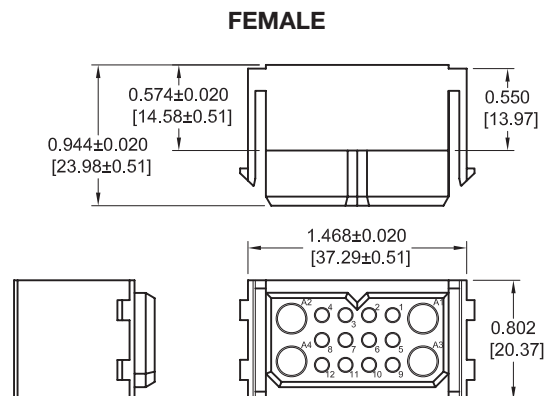
Part Number:
PLB10W2F0000

PLC16W4 CABLE CONNECTOR
FOR USE WITH SIZE 20 AND SIZE 8 REMOVABLE CONTACTS
CODE 0

CONTACTS ARE NOT SUPPLIED WITH CONNECTOR AND MUST BE ORDERED SEPARATELY



Part Number:
PLC16W4M0000



Part Number:
PLC16W4F0000

For information regarding size 20 and size 8 removable contacts, see Removable Contact section, pages 47-53.



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PANEL MOUNT CONNECTOR

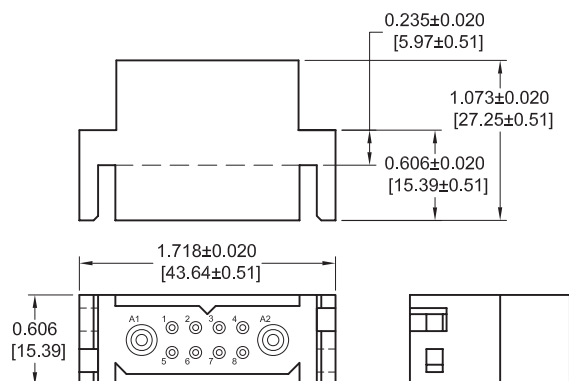
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PLB10W2 PANEL MOUNT CONNECTOR FOR USE WITH SIZE 20 AND SIZE 8 REMOVABLE CONTACTS

CODE 1

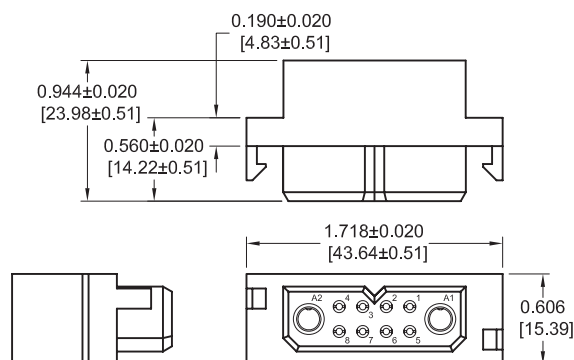
CONTACTS ARE NOT SUPPLIED WITH CONNECTOR AND MUST BE ORDERED SEPARATELY

MALE



Part Number:
PLB10W2M1000

FEMALE



Part Number:
PLB10W2F1000

For panel cutout, see chart on page 63.

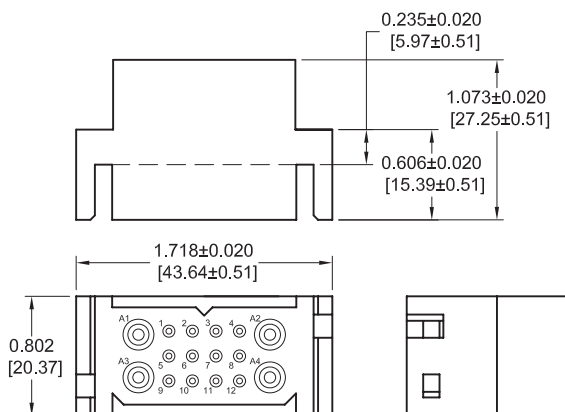
NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

PLC16W4 PANEL MOUNT CONNECTOR FOR USE WITH SIZE 20 AND SIZE 8 REMOVABLE CONTACTS

CODE 1

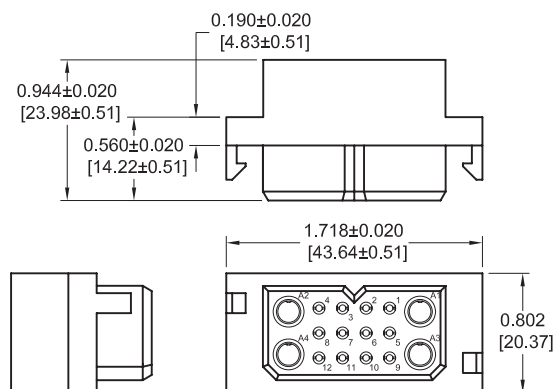
CONTACTS ARE NOT SUPPLIED WITH CONNECTOR AND MUST BE ORDERED SEPARATELY

MALE



Part Number:
PLC16W4M1000

FEMALE



Part Number:
PLC16W4F1000

For panel cutout, see chart on page 63

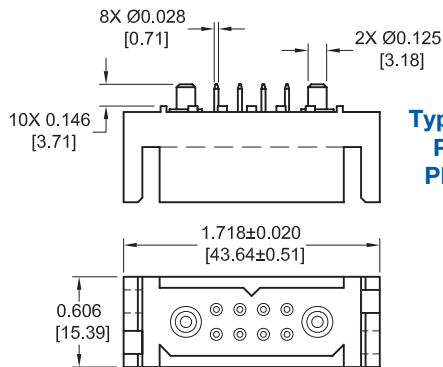
NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

For information regarding size 20 and size 8 removable contacts, see Removable Contact section, pages 47-53.

PLB(H)10W3 STRAIGHT PRINTED BOARD MOUNT CONNECTOR

CODE 3, 0.146 [3.71] CONTACT EXTENSION

MALE

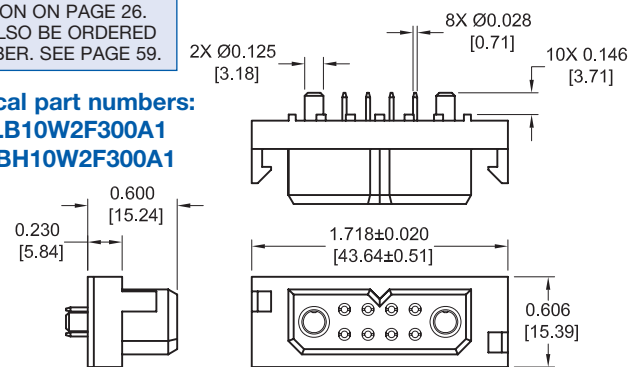


Typical part numbers:
PLB10W2M300A1
PLBH10W2M300A1

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.

Typical part numbers:
PLB10W2F300A1
PLBH10W2F300A1

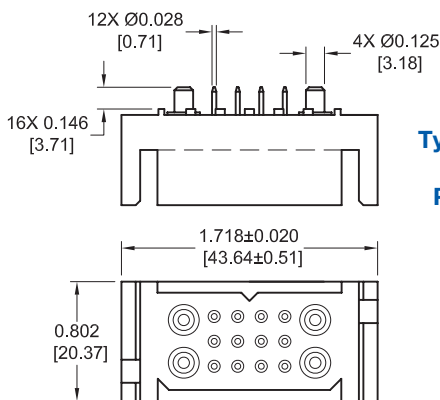
FEMALE



PLC(H)16W4 STRAIGHT PRINTED BOARD MOUNT CONNECTOR

CODE 3, 0.146 [3.71] CONTACT EXTENSION

MALE

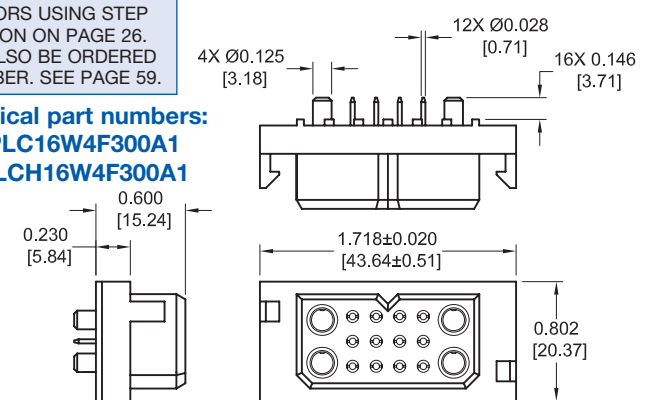


Typical part numbers:
PLC16W4M300A1
PLCH16W4M300A1

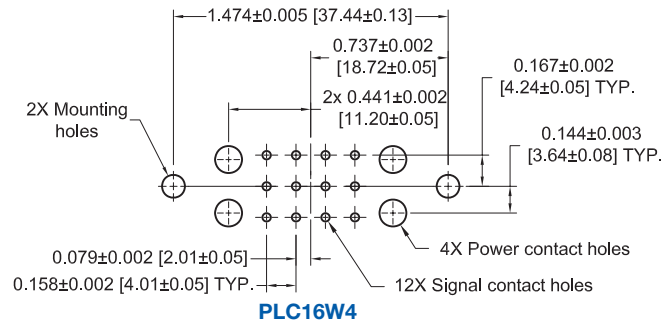
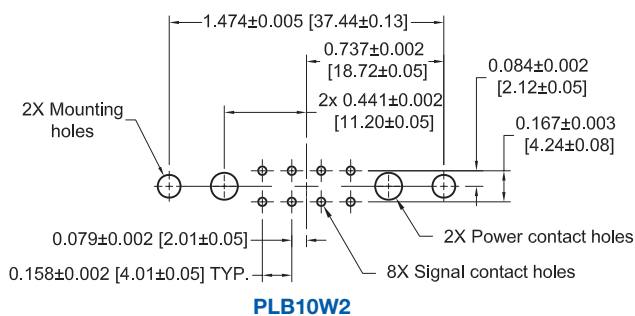
NOTE: MOUNTING SCREWS CAN BE SUPPLIED WITH CONNECTORS USING STEP 5 IN ORDERING INFORMATION ON PAGE 26. MOUNTING SCREWS CAN ALSO BE ORDERED SEPARATELY BY PART NUMBER. SEE PAGE 59.

Typical part numbers:
PLC16W4F300A1
PLCH16W4F300A1

FEMALE



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 61 for suggested printed board drill hole sizes, recommended plating and finished hole sizes for compliant contact termination positions.



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

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PLB(H)10W3 RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR

CODE 4, 0.146 [3.71] CONTACT EXTENSION

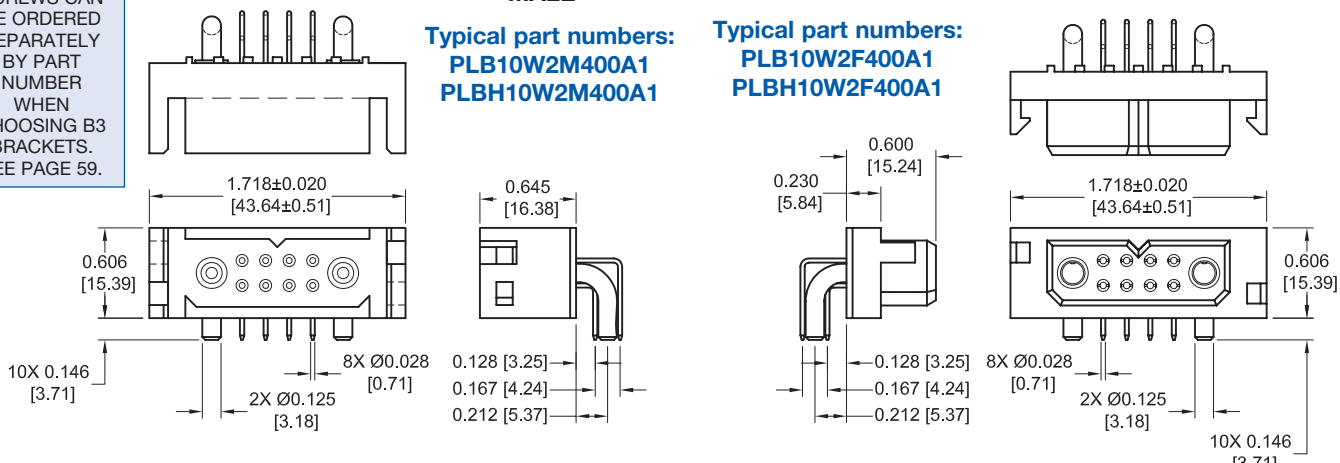
NOTE:
MOUNTING
SCREWS CAN
BE ORDERED
SEPARATELY
BY PART
NUMBER
WHEN
CHOOSING B3
BRACKETS.
SEE PAGE 59.

MALE

Typical part numbers:
PLB10W2M400A1
PLBH10W2M400A1

FEMALE

Typical part numbers:
PLB10W2F400A1
PLBH10W2F400A1



PLC(H)16W4 RIGHT ANGLE (90°) PRINTED BOARD MOUNT CONNECTOR

CODE 4, 0.146 [3.71] CONTACT EXTENSION

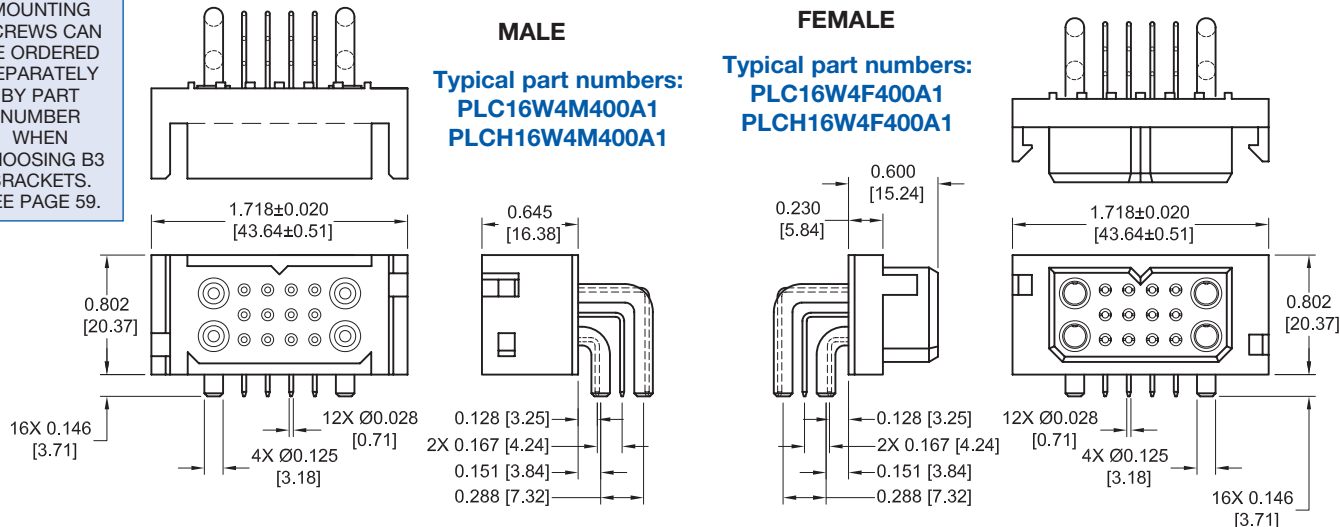
NOTE:
MOUNTING
SCREWS CAN
BE ORDERED
SEPARATELY
BY PART
NUMBER
WHEN
CHOOSING B3
BRACKETS.
SEE PAGE 59.

MALE

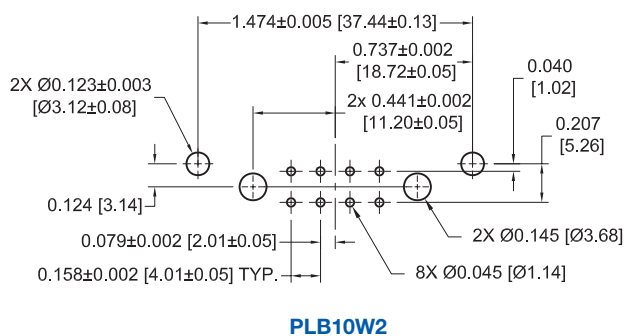
Typical part numbers:
PLC16W4M400A1
PLCH16W4M400A1

FEMALE

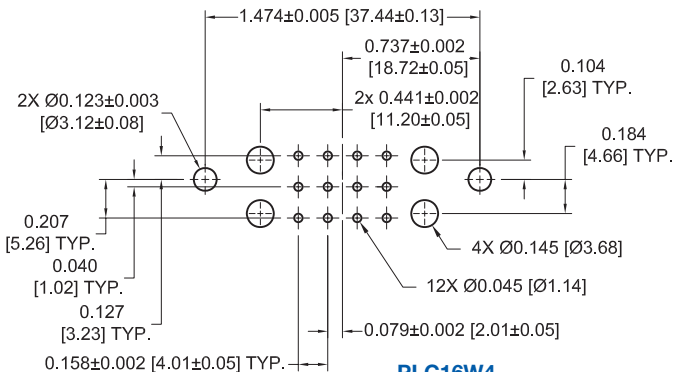
Typical part numbers:
PLC16W4F400A1
PLCH16W4F400A1



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



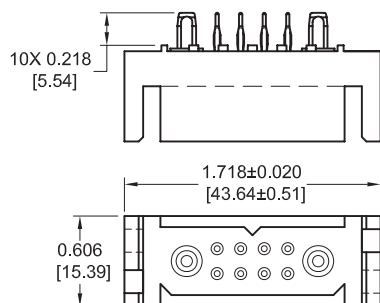
PLB10W2



PLC16W4

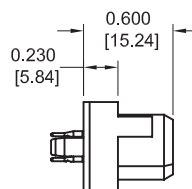
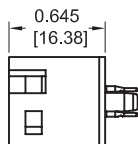
PLB(H)10W2 COMPLIANT PRESS-IN CONNECTOR CODE 93

MALE

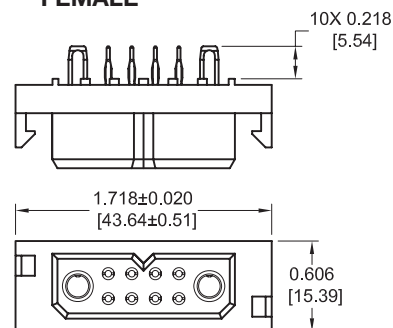


Typical part numbers:
PLB10W2M9300A1
PLBH10W2M9300A1

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.



FEMALE

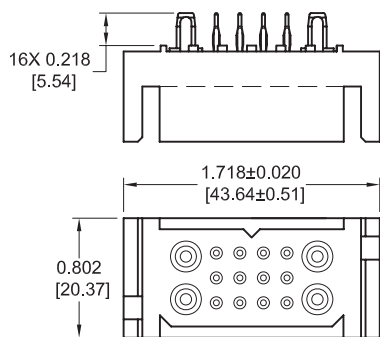


Typical part numbers:
PLB10W2F9300A1
PLBH10W2F9300A1

NOTE: Connectors are designed to be mounted to the printed circuit board with screws, see page 59 for mounting screw information. See page 43 for contact hole pattern.

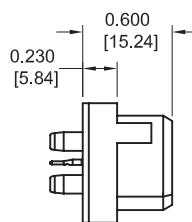
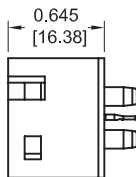
PLC(H)16W4 COMPLIANT PRESS-IN CONNECTOR CODE 93

MALE

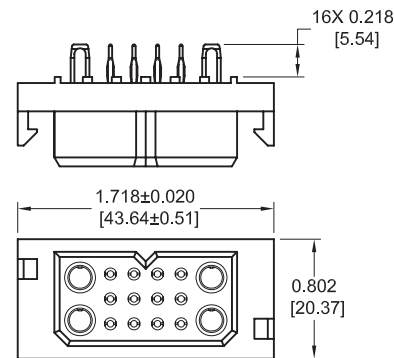


Typical part numbers:
PLC16W4M9300A1
PLCH16W4M9300A1

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.



FEMALE



Typical part numbers:
PLC16W4F9300A1
PLCH16W4F9300A1

NOTE: Connectors are designed to be mounted to the printed circuit board with screws, see page 59 for mounting screw information. See page 43 for contact hole pattern.



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PCS MIXED DENSITY CONNECTOR ORDERING INFORMATION

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ORDERING INFORMATION - CODE NUMBERING SYSTEM

Specify Complete Connector By Selecting An Option From Step 1 Through 7

STEP	1	2	3	4	5	6	7	8	9
EXAMPLE	PLC	16W4	F	4	B3N	0	A1	/AA	

STEP 1 - BASIC SERIES

PLB - 2 Row
PLBH - 2 Row High conductivity contacts
PLC - 3 Row
PLCH - 3 Row High conductivity contacts

STEP 2 - CONNECTOR VARIANTS

2 Row - 10W2
3 Row - 16W4

STEP 3 - CONNECTOR GENDER

M - Male
F - Female

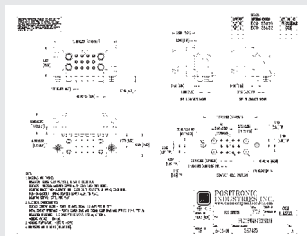
STEP 4 - CONTACT TERMINATION TYPE

- 0 - Removable contact, cable connector. Order contacts separately, see pages 47-53.
- *1 - Removable contact, panel mounted connector. Order contacts separately, see pages 47-53.
- *13 - Solder, Straight Printed Board Mount with 0.146 [3.71] tail extension.
- 4 - Solder, Right Angle (90°) Printed Board Mount with 0.146 [3.71] tail extension.
- *193 - Straight Printed Board Mount, Press-in, length 0.218 [5.54] for 0.125 inch [3.18] thick board.

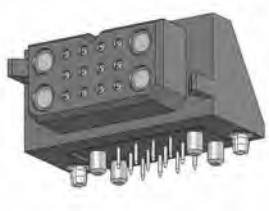
STEP 5 - MOUNTING STYLE

- 0 - None.
- B - Metal Right Angle (90°) Mounting Bracket.
- BN - Metal Right Angle (90°) Mounting Bracket with Push-on Fastener.
- B3 - Plastic Right Angle (90°) Mounting Bracket with Cross Bar.
- B3N - Plastic Right Angle (90°) Mounting Bracket with Cross Bar and Push-on Fastener.
- N - Push-On Fastener For Straight Printed Board Mount Connectors
- ST2 - Self-tapping steel screws 2-28 x 0.250+0.030 [6.35+0.76] length for 0.093 [2.36] thick board.
- ST3 - Self-tapping steel screws 2-28 x 0.312+0.030 [7.92+0.76] length for 0.125 [3.18] thick board.
- ST4 - Self-tapping steel screws 2-28 x 0.375+0.030 [9.53+0.76] length for 0.175 [4.45] thick board.
- SS2 - Self-tapping stainless steel screws 2-28 x 0.250+0.030 [6.35+0.76] length for 0.093 [2.36] thick board.
- SS3 - Self-tapping stainless steel screws 2-28 x 0.312+0.030 [7.92+0.76] length for 0.125 [3.18] thick board.
- SS4 - Self-tapping stainless steel screws 2-28 x 0.375+0.030 [9.53+0.76] length for 0.175 [4.45] thick board.

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-D IGES, STEP, or SOLIDWORKS file.



2-D Drawing



3-D Model

STEP 9 - SPECIAL OPTIONS

CONTACT TECHNICAL SALES
FOR SPECIAL OPTIONS



STEP 8 - ENVIRONMENTAL COMPLIANCE OPTIONS

/AA - Compliant per EU Directive 2002/95/EC (RoHS)

NOTE: If compliance to environmental legislation is not required, this step will not be used.
Example: PLC16W4F4B3N0A1

STEP 7 - CONTACT PLATING FOR PRINTED BOARD CONNECTORS

- 0 - Crimp Contacts ordered separately, see page 47-53.
- A1 - Gold flash over nickel on mating end and termination end.
- A2 - Gold flash over nickel on mating end and 0.00020 inch [5.00μ] tin-lead solder coat on termination end. Not available with code 93 in step 4.
- C1 - 0.000030 inch [0.76μ] gold over nickel on mating end and termination end.
- C2 - 0.000030 inch [0.76μ] gold over nickel on mating end and 0.00020 inch [5.00μ] tin-lead solder coated termination end. Not available with code 93 in step 4.
- D1 - 0.000050 inch [1.27μ] gold over nickel on mating end and termination end.
- D2 - 0.000050 inch [1.27μ] gold over nickel on mating end and 0.00020 inch [5.00μ] tin-lead solder coated termination end. Not available with code 93 in step 4.

STEP 6 - HOODS AND PANEL MOUNT

- 0 - None.
- 51 - Top Opening Hood.
- 6 - Panel Mount, quick release.
- 81 - Panel Mount, fixed for 0.040 [1.02] thick panel.
- 82 - Panel Mount, fixed for 0.060 [1.52] thick panel.
- 83 - Panel Mount, fixed for 0.090 [2.29] thick panel.
- 11 - Blind Mating System for 0.040 [1.02] thick panel.
- 12 - Blind Mating System for 0.060 [1.52] thick panel.
- 13 - Blind Mating System for 0.090 [2.29] thick panel.
- 14 - Blind Mating System for 0.120 [3.05] thick panel..

*1 Mounting screws are available with code 1, 3 and 93. To order mounting screws separately, see page 59 for part numbers.

REMOVABLE CRIMP SIGNAL CONTACT

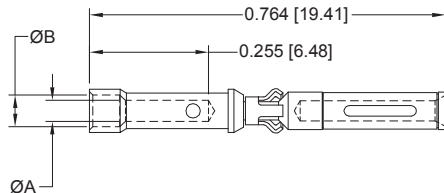
FOR USE WITH PCS MIXED DENSITY SERIES CONNECTORS

CONTACTS MUST BE ORDERED SEPARATELY

SIZE 20

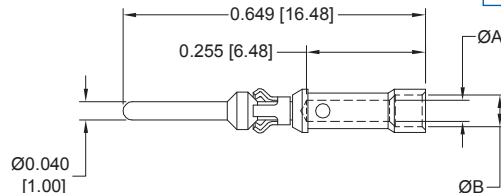
Note: Connectors can be kitted with all applicable crimp/solder contacts, contact Technical Sales for connector part number.

FEMALE CONTACT



PART NUMBER	WIRE SIZE AWG/[mm ²]	ØA	ØB
FC720N2	20 / 22 / 24 [0.5 / 0.3 / 0.25]	0.045 [1.14]	0.068 [1.73]

MALE CONTACT



PART NUMBER	WIRE SIZE AWG/[mm ²]	ØA	ØB
MC720N3	20 / 22 / 24 [0.5 / 0.3 / 0.25]	0.045 [1.14]	0.068 [1.73]

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

REMOVABLE CRIMP CONTACT

FOR USE WITH PCS MIXED DENSITY SERIES CONNECTORS

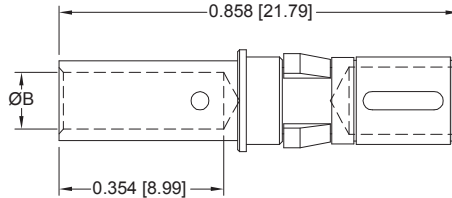
CONTACTS MUST BE ORDERED SEPARATELY

SIZE 8

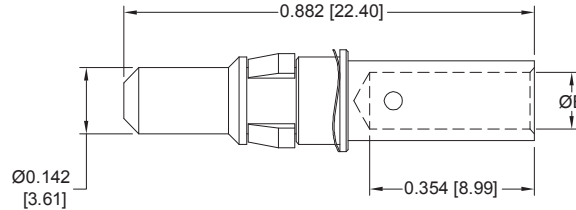
Note: Connectors can be kitted with all applicable crimp/solder contacts, contact Technical Sales for connector part number.

* FEMALE CONTACT

CLOSED ENTRY, L.S.A.



MALE CONTACT



PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB
FC4008D	See Temp. Rise Curve, page 40.	8 / [10.0]	0.181 [4.60]
FC4008DS	See Temp. Rise Curve, page 40.	8 / [10.0]	0.181 [4.60]
FC4010D	30 amperes	10 / [6.0]	0.122 [3.10]
FC4012D	20 amperes	12 / [4.0]	0.101 [2.57]
FC4016D	10 amperes	16 / [1.5]	0.067 [1.70]

"S" in part number indicates high conductivity material.

Compatible with PL*H PCB mount connectors. See ordering information.

PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB
MC4008D	See Temp. Rise Curve, page 40.	8 / [10.0]	0.181 [4.60]
MC4008DS	See Temp. Rise Curve, page 40.	8 / [10.0]	0.181 [4.60]
MC4010D	30 amperes	10 / [6.0]	0.122 [3.10]
MC4012D	20 amperes	12 / [4.0]	0.101 [2.57]
MC4016D	10 amperes	16 / [1.5]	0.067 [1.70]

***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 TOOLS & CRIMPING TOOL TECHNIQUES**, see page 54.

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



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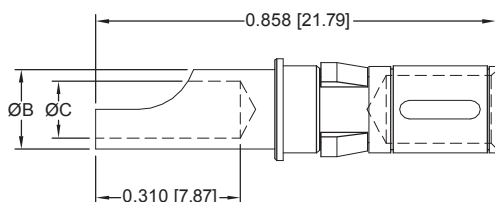
REMOVABLE HIGH VOLTAGE CONTACT SIZE 8

Power
Connection
Systems

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

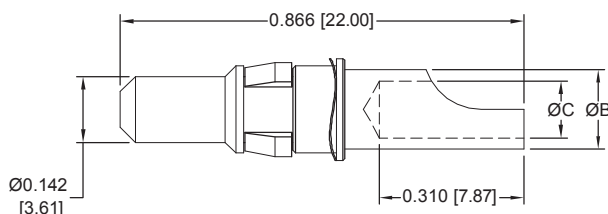
Note: Connectors can be kitted with all applicable crimp/solder contacts, contact Technical Sales for connector part number.

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



PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB	ØC
FS4008D	40 amperes	8 / [10.0]	0.219 [5.56]	0.188 [4.78]
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]

MALE CONTACT



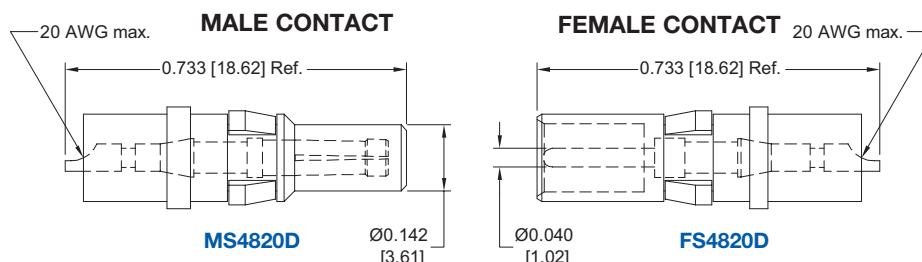
PART NUMBER	CURRENT RATING	WIRE SIZE AWG/[mm ²]	ØB	ØC
MS4008D	40 amperes	8 / [10.0]	0.219 [5.56]	0.188 [4.78]
MS4012D	20 amperes	12 / [4.0]	0.143 [3.63]	0.112 [2.84]
MS4016D	10 amperes	16 / [1.5]	0.100 [2.54]	0.069 [1.75]

*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.

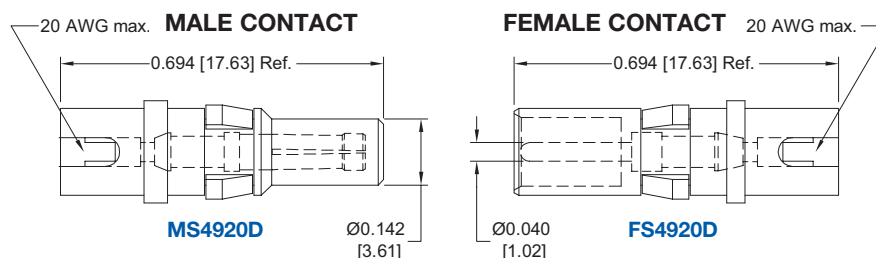
REMOVABLE HIGH VOLTAGE CONTACT FOR USE WITH PCS MIXED DENSITY SERIES CONNECTORS CONTACTS MUST BE ORDERED SEPARATELY SIZE 8

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



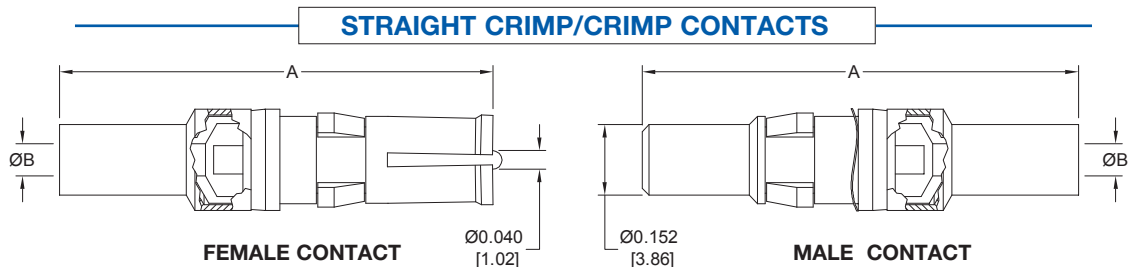
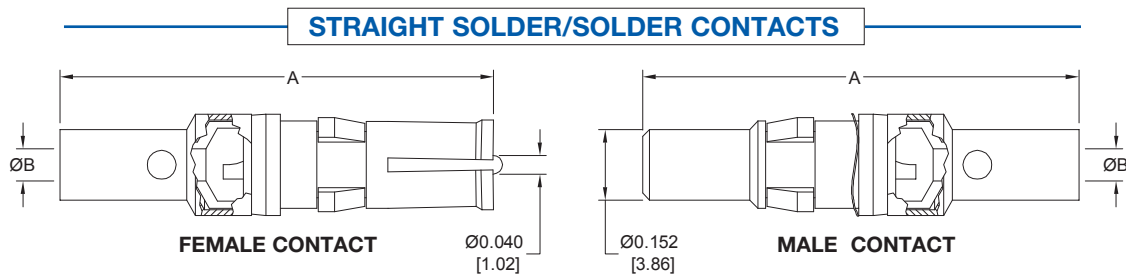
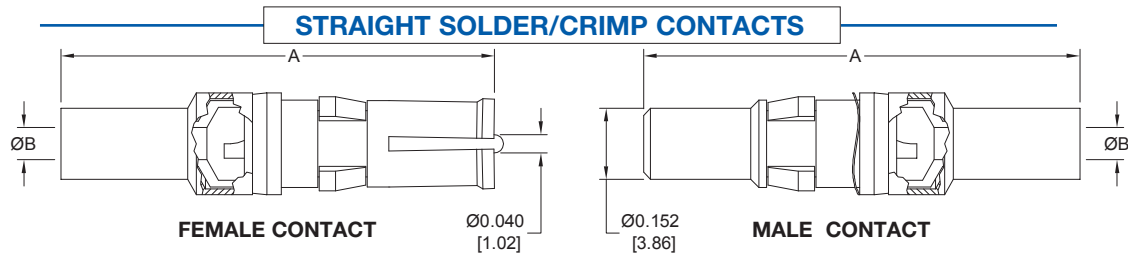
For information regarding **CRIMP TOOLS & CRIMPING TOOL TECHNIQUES**, see page 54.

REMOVABLE SHIELDED CONTACT SIZE 8



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



TYPE OF CONTACT	PART NUMBER		A	ØB	RG CABLE NUMBER
	MALE	FEMALE			
SOLDER/CRIMP	MC4101D	FC4101D	0.929 [23.60]	0.040 [1.02]	178 B/U 196 B/U
SOLDER/CRIMP	MC4102D	FC4102D	0.929 [23.60]	0.067 [1.70]	179 B/U 316 /U
SOLDER/CRIMP	MC4103D	FC4103D	1.037 [26.34]	0.108 [2.74]	180 B/U
SOLDER/CRIMP	MC4104D	FC4104D	1.037 [26.34]	0.120 [3.05]	58 B/U
SOLDER/SOLDER	MS4101D	FS4101D	0.929 [23.60]	0.040 [1.02]	178 B/U 196 B/U
SOLDER/SOLDER	MS4102D	FS4102D	0.929 [23.60]	0.067 [1.70]	179 B/U 316 /U
SOLDER/SOLDER	MS4103D	FS4103D	1.037 [26.34]	0.108 [2.74]	180 B/U
SOLDER/SOLDER	MS4104D	FS4104D	1.037 [26.34]	0.120 [3.05]	58 B/U
CRIMP/CRIMP	MCC4101D	FCC4101D	0.929 [23.60]	0.040 [1.02]	178 B/U 196 B/U
CRIMP/CRIMP	MCC4102D	FCC4102D	0.929 [23.60]	0.067 [1.70]	179 B/U 316 /U
CRIMP/CRIMP	MCC4103D	FCC4103D	1.037 [26.34]	0.108 [2.74]	180 B/U
CRIMP/CRIMP	MCC4104D	FCC4104D	1.037 [26.34]	0.120 [3.05]	58 B/U

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



SHIELDED CONTACTS

Two-step crimping action for signal and shielding conductors.

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