

# PT, SP, MS/PT

## how to order

### PT, SP

To more easily illustrate ordering procedure, part number PT00A-20-41PW(SR) is shown as follows:

PT	00	A	-	20	-	41	P	W	(SR)
1	2	3	4	5	6	7	8		

See code below:

- Connector Type
  - "PT" designates standard olive drab, electrically conductive cadmium plate bayonet lock connector with solder contacts
  - "SP" designates electrically non-conductive, hard anodic coated bayonet lock connector with solder contacts and larger flange and mounting holes for back panel mounting
  - "PTG" designates plug with grounding fingers
- Shell Style
  - "00" designates wall mounting receptacle
  - "01" designates cable connecting receptacle\*\*
  - "02" designates box mounting receptacle
  - "06" designates straight plug
  - "07" designates jam nut receptacle
  - "08" designates 90 degree plug cable support
  - "B" designates thru bulkhead receptacle (pressurized)
  - "I" designates solder mount receptacle (Hermetic only)
- Service Classes
  - "A" designates general duty back shell
  - "C" designates pressurized receptacle
  - "E" designates environmental resisting open wire seal with grommet and nut
  - "J" designates clamp assembly for moisture proofing multi-jacketed cables, with strain relief
  - "P" designates assembly with potting boot
  - "W" designates clamp assembly for moisture proofing multi-jacketed cables
  - "H" designates hermetic\* without interfacial seal
  - "Y" designates hermetic\* with interfacial seal
- Shell Size
  - "20" designates shell size. Shell sizes 6 through 24 available.
- Insert Arrangement - Refer to pages 4-11 for insert availability.
  - "20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).
- Contacts
  - "P" designates pin contacts
  - "S" designates socket contacts

For ordering connectors with printed circuit board contacts, see pg. 20.
- Insert Rotation - Refer to page 7.
  - "W", "X", "Y", "Z" designate that insert is rotated in its shell from "normal position. No letter required for normal (no rotation) position.
- "SR" designates a strain relief clamp.
  - Indicate optional finishes as follows:
    - (003) olive drab cadmium plate (standard on "PT")
    - (005) anodic coating - Alumilite® (standard on "SP")
    - (014) olive drab cadmium plate over nickel
    - (023) electroless nickel
    - (024) olive drab zinc cobalt plating
    - (424) electroless nickel finish with strain relief
    - (466) olive drab zinc cobalt plating with strain relief
    - (100) Suffix added for flat eyelet pin contacts in hermetic versions
  - OR
  - RoHS Compliant finish suffix as follow:
    - (025) non-conductive black zinc cobalt plating
    - (027) conductive black zinc cobalt plating
    - (470) non-conductive black zinc cobalt plating with strain relief
    - (476) conductive black zinc cobalt plating with strain relief



### MS/PT

#### MIL-C-26482, Series 1

Part number MS3110E20-41PW is shown as follows:

MS	311	0	E	20	-	41	P	W
1	2	3	4	5	6	7	8	

For Hermetic connectors part number MS3113H20Y41PW is shown as follows:

MS	311	3	H	20	Y	41	P	W
1	2	3	4	5, 6		7	8	

See code below:

- "MS" designates Military Standard
- Specification Number
  - "311" designates basic family number for MIL-C-26482, Series 1 solder type
- Shell Style
  - "0" designates wall mounting receptacle
  - "1" designates cable connecting receptacle\*\*
  - "2" designates box mounting receptacle
  - "3" designates solder mount receptacle (hermetic only)
  - "4" designates jam nut receptacle
  - "6" designates straight plug
- Service Class
  - "E" designates environmental resisting connector
  - "F" designates environmental resisting connectors with strain relief
  - "J" designates clamp assembly for moisture proofing multi-jacketed cables, with strain relief
  - "P" designates potted type with potting boot
  - "H" designates hermetic
- Shell Size
  - "20" designates shell size. Shell sizes 8 through 24 available.
- Insert Arrangement - Refer to pages 4-11 for insert availability.
  - "20 - 41" designates arrangement. (The number following the hyphen is the number only that is used in the part number).
  - Hermetic version
  - "20Y41" designates insert arrangement; specify "Y" for flat eyelet pin contacts, or "C" for solder cup pin contacts
- Contact Configuration
  - "P" designates pin contacts
  - "S" designates socket contacts
- Insert Rotation- Refer to page 7.
  - "W", "X", "Y", "Z" designate that insert is rotated in it shell from "normal" position. No letter require fo normal (no rotation) position.

\* Hermetic connectors are supplied with tin plated shells.

\*\* This connector style is sometimes referred to as a cable connecting "plug". It does, however, mate with either a straight or 90 degree plug.

For ordering Miniature Breakaway PT Solder connectors see pg. 26.

HOW TO ORDER  
PT, SP, MS/PT

# PT-SE, SP-SE, MS/PT-SE

## how to order

### PT-SE, SP-SE

To more easily illustrate ordering procedure, part number PT00SE-20-41PW(SR) is shown as follows:

PT	00	SE	-	20	-	41	P	W	(SR)
1	2	3		4		5	6	7	8

See code below:

#### 1. Connector Type

- "PT" designates standard olive drab, electrically conductive cadmium plated, bayonet lock connector with crimp contacts
- "MF" designates standard olive drab, electrically conductive cadmium plated, bayonet lock connector with dual mounting holes, and crimp contacts
- "SP" designates electrically non-conductive, hard anodic coated, bayonet lock connector with larger flange and mounting holes for back panel mounting, and crimp contacts
- "PTG" designates plug with grounding fingers

#### 2. Shell Style

- "00" designates wall mounting receptacle
- "01" designates cable connecting receptacle\*
- "02" designates box mounting receptacle
- "06" designates straight plug
- "07" designates jam nut receptacle
- "08" designates 90 degree plug

#### 3. Service Classes

- "SE" designates environmental crimp
- "SP" designates potted type crimp

Both of the above are Amphenol proprietary versions of the MIL-C-26482, Series 1 crimp contact connector and offer 15 lbs. contact retention for size 20 contacts; 25 lbs. for size 16 contacts.

#### 4. Shell Size

"20" designates shell size. Shell sizes 8 through 24 available.

#### 5. Insert Arrangement

Refer to pages 4-11 for insert availability.

"20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).

#### 6. Contacts

- "P" designates pin contacts
- "S" designates socket contacts

#### 7. Insert Rotation

Refer to page 7.

"W", "X", "Y", "Z" designate that insert is rotated in its shell from "normal" position. No letter required for normal (no rotation) position.

#### 8. "SR" designates a strain relief clamp.

Indicate optional finishes as follows:

- (003) olive drab cadmium plate (standard on "PT")
  - (005) anodic coating - Aluminite® (standard on "SP")
  - (014) olive drab cadmium plate over nickel
  - (023) electroless nickel
  - (024) olive drab zinc cobalt plating
  - (424) electroless nickel finish with strain relief
  - (466) olive drab zinc cobalt plating with strain relief
- OR

RoHS Compliant finish suffix as follow:

- (025) non-conductive black zinc cobalt plating
- (027) conductive black zinc cobalt plating
- (470) non-conductive black zinc cobalt plating with strain relief
- (476) conductive black zinc cobalt with strain relief



### MS/PT-SE

#### MIL-C-26482, Series 1

To more easily illustrate ordering procedure, part number MS3120E20-41PW is shown as follows:

MS	312	0	E	20	-	41	P	W
1	2	3	4	5		6	7	8

See code below:

#### 1. "MS" designates Military Standard

#### 2. Specification Number

"312" designates basic family for MIL-C-26482, Series 1 crimp type

#### 3. Shell Style

- "0" designates wall mounting receptacle
- "1" designates cable connecting receptacle\*
- "2" designates box mounting receptacle
- "4" designates jam nut receptacle
- "6" designates straight plug
- "7" designates box mounting receptacle with dual mounting holes
- "8" designates wall mounting receptacle with dual mounting holes

#### 4. Service Class

- "E" designates environmental resisting connector
- "F" designates environmental resisting connector with strain relief
- "P" designates potted type with potting boot

#### 5. Shell Size

"20" designates shell size. Shell sizes 8 through 24 available

#### 6. Insert Arrangement

Refer to pages 4-11 for insert availability.

"20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).

#### 7. Contacts

- "P" designates pin contacts
- "S" designates socket contacts

#### 8. Insert Rotation

Refer to page 7.

"W", "X", "Y", "Z" designate that insert is rotated in its shell from the "normal" position. No letter required for normal (no rotation) position.

\* This connector style is sometimes referred to as a cable connecting "plug". It does, however, mate with either a straight or 90 degree plug.

For ordering Miniature Breakaway PT-SE Crimp connectors see pg. 38.

HOW TO ORDER  
PT-SE, SP-SE, MS/PT-SE

# PT-CE, SP-CE

## how to order

### PT-CE, SP-CE

To more easily illustrate ordering procedure, part number PT00CE-20-41PW (SR) is shown as follows:

<u>PT</u>	<u>00</u>	<u>CE</u>	<u>-</u>	<u>20</u>	<u>-</u>	<u>41</u>	<u>P</u>	<u>W</u>	<u>(SR)</u>
1	2	3		4		5	6	7	8

See code below:

1. Connector Type
  - "PT" designates standard electrically conductive olive drab cadmium plated bayonet lock connector with crimp contacts
  - "SP" designates electrically non-conductive, hard anodic coated bayonet lock connector with large flange and mounting holes for back panel mounting, and crimp contacts.
2. Shell Style
  - "00" designates wall mounting receptacle
  - "01" designates cable connecting receptacle\*
  - "02" designates box mounting receptacle
  - "06" designates straight plug
  - "07" designates jam nut receptacle
  - "08" designates 90° plug
3. Service Class
  - "CE" designates environmental crimp
  - "CP" designates potted type crimp
  - Both of the above are Amphenol® proprietary versions of the MIL-C-26482, Series 1 crimp contact connector and offer 7 lbs. contact retention for size 20 contacts; 9 lbs for size 16 contacts.
4. Shell Size
  - "20" designates shell size. Shell sizes 6 through 24 available.
5. Insert Arrangement
  - Refer to pages 4-11 for insert availability.
  - "20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).
6. Contacts
  - "P" designates pin contacts.
  - "S" designates socket contacts.
7. Insert Rotation
  - Refer to page 7.
  - "W", "X", "Y", "Z" designate that insert is rotated in its shell from the "normal" position. No letter required for normal (no rotation) position.
8. "(SR)" designates strain relief clamp.
  - Indicate optional finishes as follows:
    - (003) olive drab cadmium plate (standard on "PT")
    - (005) anodic coating - Alumilite® (standard on "SP")
    - (014) olive drab cadmium plate over nickel
    - (023) electroless nickel
    - (024) olive drab zinc cobalt plating
    - (025) non-conductive black zinc cobalt plating
    - (027) conductive black zinc cobalt plating
    - (424) electroless nickel finish with strain relief
    - (466) olive drab zinc cobalt plating with strain relief
    - (470) non-conductive black zinc cobalt plating with strain relief
    - (476) conductive black zinc cobalt with strain relief

\* This connector style is sometimes referred to as a cable connecting "plug". It does, however, mate with either a straight or 90 degree plug.

For ordering Miniature Breakaway PT-CE Crimp connectors see page 48.

# PC

## how to order

### PC

To more easily illustrate ordering procedure, part number PC00A-20-41PW (SR) is shown as follows:

<u>PC</u>	<u>00</u>	<u>A</u>	<u>-</u>	<u>20</u>	<u>-</u>	<u>41</u>	<u>P</u>	<u>W</u>	<u>(SR)</u>
1	2	3	4	5	6	7	8		

See code below:

1. Connector Type  
"PC" designates bright cadmium plated with clear chromate after treatment, threaded coupling connector with solder contacts
2. Shell Style  
"00" designates wall mounting receptacle  
"01" designates cable connecting receptacle†  
"02" designates box mounting receptacle  
"06" designates straight plug  
"07" designates jam nut receptacle  
"I" designates solder-mount receptacle (hermetic only)
3. Service Class  
"A" designates general duty back shell  
"C" designates pressurized receptacle  
"E" designates environmental resisting open wire seal with grommet and nut  
"P" designates potted with potting boot  
"W" designates clamp assembly for moisture proofing, multi-jacketed cables  
"H" designates hermetic\* seal (without interfacial seal)  
"Y" designates hermetic\* seal (with interfacial seal)
4. Shell Size  
"20" designates shell size. Shell sizes 6 through 24 available.
5. Insert Arrangement  
Refer to pages 4-11 for insert availability.  
"20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).
6. Contacts  
"P" designates pin contacts.  
"S" designates socket contacts.
7. Insert Rotation  
Refer to page 7.  
"W", "X", "Y", "Z" designate that insert is rotated in its shell from the "normal" position. No letter required for normal (no rotation) position.
8. "(SR)" designates strain relief clamp.  
Indicate optional finishes as follows:  
(001) bright cadmium (standard on "PC")  
(003) olive drab cadmium plate  
(005) anodic coating - Alumilite®  
(011) chromate treated (Iridite 14-2)  
(014) olive drab cadmium plate over nickel  
(023) electroless nickel

\* Hermetic connectors are supplied with tin plated shells.

† This connector style is sometimes referred to as a cable connecting "plug". It does, however, mate with either a straight or 90 degree plug.

# PC-SE, PC-CE

## how to order

### PC-SE, PC-CE

To more easily illustrate ordering procedure, part number PC-SE00A-20-41PW (SR) is shown as follows:

<u>PC-SE</u>	<u>00</u>	<u>SP</u>	-	<u>20</u>	-	<u>41</u>	<u>P</u>	<u>W</u>	<u>(SR)</u>
1	2	3		4		5	6	7	8

See code below:

1. Connector Type  
"PC-SE" designates bright cadmium plated with clear chromate after treatment, threaded coupling connector with crimp contacts, incorporating a spring tower retention system  
"PC-CE" designates bright cadmium plated with clear chromate after treatment, threaded coupling connector with crimp contacts, incorporating a nylon wafer retention system to maintain contact position
2. Shell Styles PC-SE - consult Amphenol for availability.  
"00" designates wall mounting receptacle  
"01" designates cable connecting receptacle†  
"02" designates box mounting receptacle  
"06" designates straight plug  
"08" designates 90 degree plug
2. Shell Style PC-CE - consult Amphenol for availability.  
"06" designates straight plug
3. Service Class  
"SE" designates environmental crimp  
"SP" designates potted type crimp  
Both of the above are Amphenol® proprietary versions of the MIL-C-26482, Series 1 crimp contact connector and offer 7 lbs. contact retention for size 20 contacts; 9 lbs for size 16 contacts.)
4. Shell Size  
"20" designates shell size. Please contact Amphenol for complete information, as there may be limitations in shell sizes with the PC-SE and PC-CE series.
5. Insert Arrangement  
Refer to pages 4-11 for insert availability.  
"20 - 41" designates insert arrangement. (The number following the hyphen is the number only that is used in the part number).
6. Contacts  
"P" designates pin contacts.  
"S" designates socket contacts.
7. Insert Rotation  
Refer to page 7.  
"W", "X", "Y", "Z" designate that insert is rotated in its shell from the "normal" position. No letter required for normal (no rotation) position.
8. "(SR)" designates strain relief clamp.  
Indicate optional finishes as follows:  
(001) bright cadmium (standard on "PC")  
(003) olive drab cadmium plate  
(005) anodic coating - Alumilite®  
(011) chromate treated (Iridite 14-2)  
(014) olive drab cadmium plate over nickel  
(023) electroless nickel

† This connector style is sometimes referred to as a cable connecting "plug". It does, however, mate with either a straight or 90 degree plug.

PC-SE, PC-CE  
THREADED COUPLING  
WITH CRIMP CONTACTS