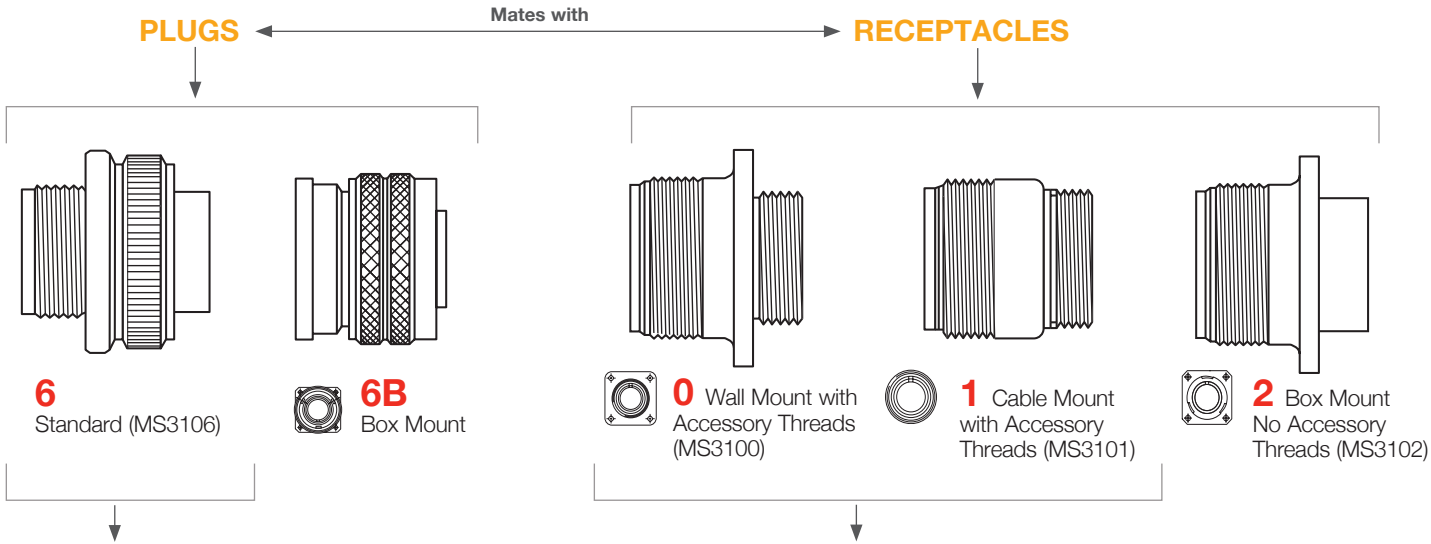


CREATE YOUR PART NUMBER USING THESE EIGHT STEPS

STEP	1	2	3	4	5	6	7	8
	6	A	A	24-21	S		S	-472
SERIES PREFIX	SHELL STYLE	ENDBELLS (If omitting endbell, enter -)	CABLE CLAMP/BOOT (leave blank if not needed)	LAYOUT	CONTACT	ROTATION	CONTACT TYPE	PLATING

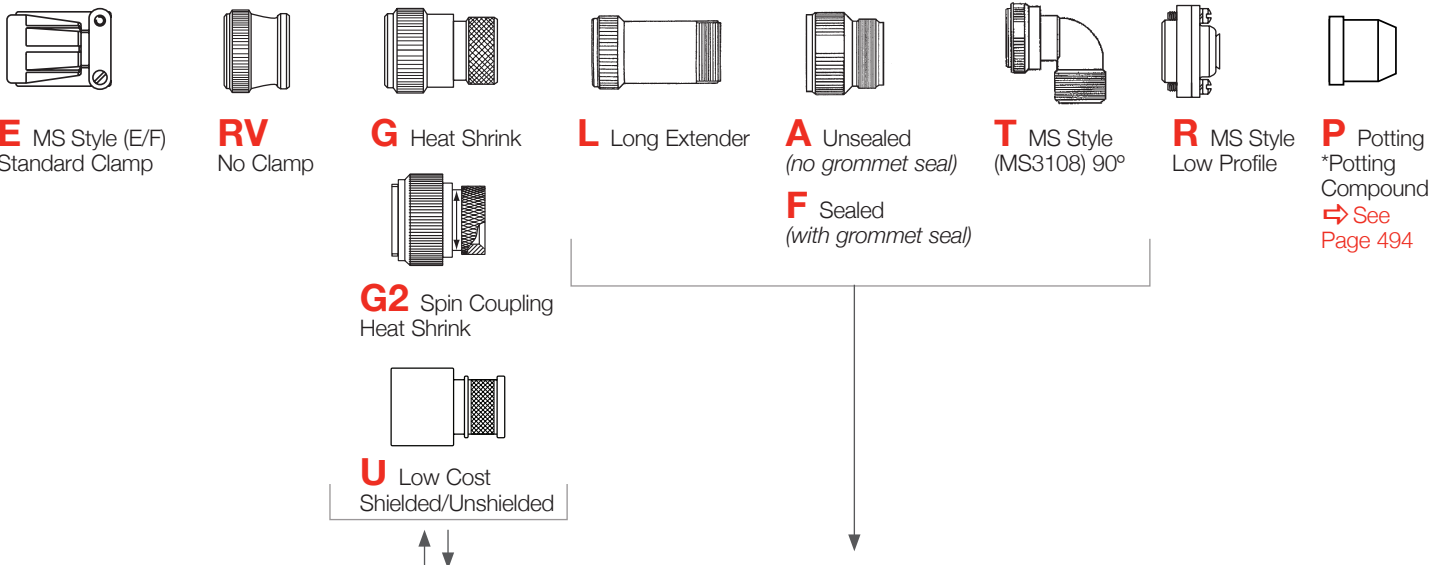
(example)

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE

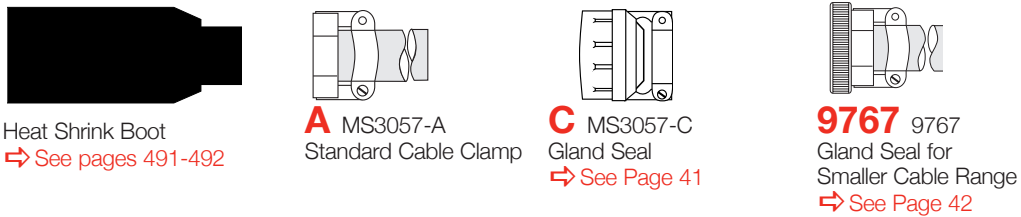


STEP 2: SELECT ENDBELL

TIP: Order connector, backshell and all accessories as one part number! See www.peigenesis.com/en/solution-guides.html



STEP 3: SELECT CABLE CLAMP OR BOOT (IF APPLICABLE)



STEP 4: SELECT LAYOUT

⇒ See pages 72-82

STEP 5: SELECT CONTACT

P = Pin **S** = Socket

STEP 6: SELECT ROTATION

⇒ See pages 83-93 (Omit for normal)

W, X, Y, Z

STEP 7: SELECT CONTACT TPYE

S = Solder **C** = Crimp*
H = PC** **O** = Less Contacts

* When using a "C" in part number, the connector is supplied with the standard size crimp contacts for its layout. Bolded part numbers on ⇒ page 30 indicate crimp contact. Please contact us for connectors with reduced or enlarged crimp barrel contacts.
 ** ⇒ See page 38 for post diameters and lengths.

STEP 8: SELECT PLATING

CONTACTS

(Omit for silver contacts)

- B30** = Gold 50µ Gold over Nickel
- T** = Thermocouple (*solder only*)
Need types with cavities and installed and uninstalled
- RDS** = RADSOK (Crimp socket only) sizes 12,8,4,0
- 116** = Less pre-tinned solder cups

SHELL PLATING

(Omit for olive drab chromate over cadmium (MSstyle))

- 023** = Electroless Nickel
(RoHS with crimp or 116 contacts)
- 024** = Green Zinc Cobalt
- 025** = Black Alloy
(RoHS with crimp or 116 contacts)
- 027** = Conductive Black Alloy
(RoHS with crimp or 116 contacts)
- G96** = Black Anodized
- 072** = Gray Zinc Nickel
(RoHS with crimp or 116 contacts)
- 472** = 116&025 mod codes *(RoHS)*
- 548** = 116&023 mod codes *(RoHS)*
- 553** = 116&027 mod codes *(RoHS)*
- 724** = 116&072 mod codes *(RoHS)*

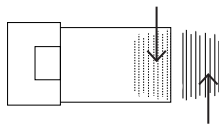
MATERIALS

(Omit for standard neoprene)

- L** = Low-smoke, zero-halogen
- V** = High-temperature Viton®

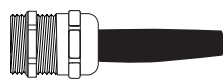
STANDARD SPECIALS — CONTACT US WITH NPT THREAD SIZE, SEAL TITE CONDUIT DIAMETER, OR CABLE OUTSIDE DIAMETER.

INTERNAL THREAD VERSION

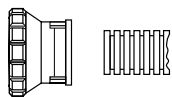


EXTERNAL THREAD VERSION

LOW COST GLAND SEAL

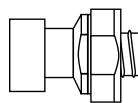


CONDUIT PLASTIC

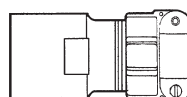


⇒ See pages 496

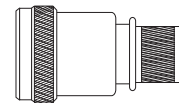
CONDUIT METAL



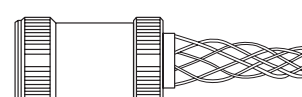
GLAND SEAL



SHIELDED CABLE



MESH GRIP



NEED HELP? PEI engineers will help you solve your design challenges and build the perfect part for your application. Email us at sales@peigenesis.com or complete our online Technical Request at www.peigenesis.com/technical-support. To contact us by phone, please see the back cover for a complete listing of our branch offices and contact numbers.

AIT/MS SERIES CONNECTORS

J MS 3102 R 18-3 P W -RES

CONNECTOR TYPE

- J Prefix*
- MS Military Standard

(NOT J MS)

Modification for A-style service class only
RESilient insert (*neoprene*)

SHELL STYLE

- Mates with
- 3100 = Wall-mounting receptacle
 - 3101 = Cable-connecting receptacle (*plug†*)
 - 3102 = Box-mounting receptacle
- 3106 = Straight plug
 - 3108 = 90° plug

INSERT ROTATION

W, X, Y, and Z designate that the insert is rotated in its shell from normal position. No letter is required for normal (*no rotation*) position. See tables on → pages 83-93.

SERVICE CLASS

- A Solid shell, not MS qualified
- C Solid shell for pressurized applications
- E Environmentally-resistant
- F Environmentally-resistant with strain relief (*J MS part number only*)
- R Lightweight, environmentally-resistant (*J MS part number only; not available for 3108*)

CONTACT TYPES

- P Pin contact
- S Socket contact

† Note: The US military changed the designation from cable receptacle to plug in the MIL-DTL-5015 specifications.

SHELL SIZE & INSERT ARRANGEMENT

See tables on → pages 72-93.

√ Parts are the only MS-approved inserts.

For insert arrangements over 50 and shell size 40 and above. Exceptions: 36-52, 40-1, 40-9 and 40-56 are approved.

*The March 30, 2003 revision of MIL-DTL-5015H requires that the letters JAN or J be physically marked on the connector preceding the MS designator. This mark certifies that the connector meets specification. The United States Government has obtained Certificate and Registration Number 504,860 for the certification mark "JAN" and Registration Number 1,586,261 for the certification mark "J."

HAVE A UNIQUE REQUIREMENT?

Quick assembly of custom products is our specialty! Email us at sales@peigenesis.com or complete our online Technical Request at www.peigenesis.com/technical-support. To contact us by phone, please see the back cover for a complete listing of our branch offices and contact numbers.

AC SERIES CONNECTORS

Ordering example part number ACC06AF18-1SX-025 is shown as follows:

If part number incorporates a "B," see AIB/GT → page 119.

AC C 06 AF 18-1 S X - 025

SERIES

AC Designates Amphenol Industrial Series

CONTACT STYLE

C Designates crimp contacts
 S Designates solder contacts
 CL Designates crimp contacts with low-smoke, zero-halogen insert and grommets
 SL Designates solder contacts with low-smoke, zero-halogen insert and grommets

SHELL STYLE

Mates with

- 00 Wall-mounting receptacle
- 01 In-line receptacle
- 02 Box-mounting receptacle
- 06 Straight plug
- 08 90° plug

CONNECTOR CLASS

A General-duty, threaded backshell, cable clamp, no grommet
 AF General-duty, threaded backshell, cable clamp, no grommet
 CF General-duty, threaded backshell, gland-sealed cable clamp, no grommet (08 only)
 E General-duty, integral endbell with cable clamp, with grommet (08 not integral endbell)
 F General-duty, threaded backshell, cable clamp, with grommet
 LCFZ Long-threaded endbell, gland-sealed cable clamp, with grommet (06 only)
 PGA Environmental connector for jacketed cable
 PGR Environmental connector for jacketed cable
 R General-duty, threaded backshell, no cable clamp, with grommet (06 only)
 SB Shielded shrink boot endbell with grommet (06 only)

SHELL SIZE & LAYOUT

See layout availability on → pages 72-93.

PLATING MODIFICATION CODES

003 Olive drab cadmium plate finish
 023 Electroless nickel finish (RoHS with crimp only)
 024 Green zinc alloy finish
 025 Non-conductive black alloy finish (RoHS with crimp)
 027 Conductive black alloy finish (RoHS with crimp)
 G96 Black hard-coat anodize
 A24 .000035 gold/nickel on contacts
 116 Less pre-tinned solder cups (solder only)
 472 116 & 025 mod codes (RoHS)
 548 116 & 023 mod codes (RoHS)
 553 116 & 027 mod codes (RoHS)

ALTERNATE INSERT ROTATION

W, X, Y, and Z designate that the insert is rotated in its shell from a normal position. No letter required for normal (no rotation) position. See → pages 83-93.

CONTACT TYPE

P Pin contacts
 S Socket contacts
 R RADSOK (high-amperage) crimp socket contacts only for sizes 12, 8, 4, and 0