

MS/Standard how to order

MIL-DTL-5015 and MIL-5015 Type (Solder Contacts)

MS 3102 A 18-3 P W (SR)
 1 2 3 4 5 6 7 8

- Connector Type
 MS designates Military Standard
 CS* designates service class A and C with proprietary special contact arrangements
 SG* designates service class E with proprietary special contact arrangements
 SM* designates service class F and R with proprietary special contact arrangements
- Connector Style
 3100 wall mounting receptacle
 3101 cable connecting plug
 3102 box mounting receptacle
 3106 straight plug
 3108 90° plug
- Service Class
 A solid shell for general, non-environmental applications
 C solid shell for pressurized applications
 E environmental resisting
 F environmental resisting with strain relief (MS part number only)
 R lightweight environmental resisting
- 4., 5. Shell size and insert arrangement - see tables, pages 22-24.
- Contact Types
 P designates pin contact
 S designates socket contact
- Insert Rotation
 "W", "X", "Y", or "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position.
- (SR) strain relief for non-military connectors (For MS use "F" class)

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

Consult Amphenol, Sidney, NY for availability of alternate finishes, including black and olive drab zinc alloys.

Proprietary (Crimp Contacts)

75 - 68 0 12-3 H
 1 2 3 4 5 6

- Connector Type
 75 – connector utilizing silver plated contacts
 80 – less contacts
 85 – contacts utilizing 50 micro-inches gold over silver plating
- Service Class
 68 service class A, general duty
 474 service class F, environmental resisting
 190 service class R, lightweight environmental resisting
- Connector Style
 0 wall mounting receptacle
 1 cable connecting plug
 2 box mounting receptacle
 6 straight plug
 8 90° plug
- Shell Size Designator

Shell Size	8S	10S	10SL	12S	12	14S	14	16S	16	18
Shell Designator	8	10	11	12	13	14	15	16	17	18

Shell Size	20	22	24	28	32	36	40	44	48	
Shell Designator	20	22	24	28	32	36	40	44	48	

- Insert Arrangements
 See page 22-24.
- Contact Type/Alternate Insert Rotation
 P designates pin, S designates socket for normal positioning of inserts. When an alternate position of the connector insert is required to prevent cross-mating, a different letter (other than P or S) is used. See page 25 for description of alternate positions, then convert to Amphenol® proprietary coding by the following charts:

Pin Contacts		Socket Contacts	
MS Letter	Amphenol Letter	MS Letter	Amphenol Letter
PW	G	SW	H
PX	I	SX	J
PY	K	SY	L
PZ	M	SZ	N