

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

1. 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
2. Connector Style
 3100 wall mounting receptacle
 3101 cable connecting plug
 3102 box mounting receptacle
 3106 straight plug
 3108 90° plug
3. 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.
6. Contact Types
 P designates pin contact
 S designates socket contact
7. 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.
8. (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

1. Connector Type
 75 – connector utilizing silver plated contacts
 80 – less contacts
 85 – contacts utilizing 50 micro-inches gold over silver plating
2. Service Class
 68 service class A, general duty
 474 service class F, environmental resisting
 190 service class R, lightweight environmental resisting
3. Connector Style
 0 wall mounting receptacle
 1 cable connecting plug
 2 box mounting receptacle
 6 straight plug
 8 90° plug
4. 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	

5. Insert Arrangements
 See page 22-24.
6. 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