

HOW TO ORDER (MILITARY TYPES)

Introduction/
Pkg. Solutions/
Brush Contact

LRM (Line Replaceable Modules)
Options/
Accessories

LRM (Line Replaceable Modules)
Options/
Accessories

Ruggedized
VME64x/
VITA 60, 66

High Density
HSB3
Hi Speed

Low Mating Force MIL-DTL-55302
Docking Conn./
Accessories/Install.

Rack & Panel
Brush
Ruggedized

LMD/LMS
Rectangular
Interconnects

Other
Rectangular
Interconnects

MB, DB, PC Connectors Military Part Number Ordering

Example part number M55302/166A10X1
is shown as follows:

1. Connector Type

M55302

Designates Low Mating Force
Rectangular Connectors

2. Body Type/Contact Style

- /166 designates MB-P (Mother Board, Printed Circuit Board Termination)
- /167 designates MB-W (Mother Board, Wire-wrap Contacts)
- /168 designates PC (Printed Circuit, 90° Printed Circuit Board Termination)
- /170 designates DB (Daughter Board, 90° Printed Circuit Board Termination)

3. Number of Rows

- A – 2 rows
- B – 3 rows
- C – 4 rows

4. Number of Contacts per Row

Contact counts per row range from 10 to 100
(Only 2 digits permitted in this space; for 100 contacts per row, use 00)

1.	2.	3.	4.	5.	6.
	Body Type/ Contact Style	Number of Rows	Number of Contacts per Row	Tail Length	Tail Finish
M55302	/166	A	10	X	1

5. Tail Length

MB-P (PCB Termination)*	MB-W** (Wire-wrap)
W – .222 ±.025 X – .300 ±.025 Y – .145 ±.025 Z – .113 ±.025	Y – .700 ±.025 Z – .542 ±.025
DB*	PC*
X – .300 ±.025 Y – .150 ±.025 Z – .120 ±.025	Y – .150 Z – .095

* Reference "J" Dimension on all connector drawings in this catalog.

** For MB-W only: Reference "H" Dimension on connector drawing on page 69.

6. Tail Finish

- 1 Tin lead per MIL-P-81728, 50 to 70%, .0001 min. thick over copper
- 2 Gold per MIL-G-45204, type II, grade C, class 00 (01 for MB-W) over nickel per QQ-N-290



IO Connectors Military Part Number Ordering

Example part number M55302/169A101
is shown as follows:

1. Connector Type

M55302

Designates Low Mating Force
Rectangular Connectors

2. Body Type

- /169 designates IO (Input/Output)
(Contact type/finish is last digit of IO part number - see list of options below)

3. Number of Rows

- A – 2 rows
- B – 3 rows
- C – 4 rows

4. Number of Contacts per Row

Contact counts per row range from 10 to 100
(Only 2 digits permitted in this space; for 100 contacts per row, use 00)

1.	2.	3.	4.	5.
	Body Type	Number of Rows	Number of Contacts per Row	Contact Type/ Finish
M55302	/169	A	10	X

5. Contact Type/Finish

- 1 Crimp contact – Tin lead per MIL-P-81728, 50 to 70% tin, .0001 min. thick over copper
- 2 Crimp contact – Gold per MIL-G-45204, type II, grade C, class 1 over copper
- 3 Connectors supplied less contacts
- 4 PCB contacts installed with .145 ±.025 stickout – Tin lead per MIL-P-81728, 50 to 70% tin, .0001 min. thick over copper (Reference "J" Dimension on connector drawing on page 77).

To Order Replacement I O Contacts

(For use with connectors less contacts)

M55302/171-1

suffix designates crimp well finish

Crimp well finish

- 1 Crimp contact – Tin lead per MIL-P-81728, 50 to 70% tin, .0001 min. thick over copper
- 2 Crimp contact – Gold per MIL-G-45204, type II, grade C class 1 over copper.

To order Accessories, see page 66.