

M83513/ 01 - H100 - ** ****

SERIES

- MDM - Metal Shell, Liquid Crystal Polymer (LCP)
- MDB - Diallyl Phthalate Insulator
- MDVB - Polyester Insulator
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MIL-C-83513 SLASH SHEET

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|--|-----------------------|
| 01 - Plug, Connector, Solderpot | } Metal Shell |
| 02 - Receptacle, Connector, Solderpot | |
| 03 - Plug, Connector, Crimp Type | |
| 04 - Receptacle, Connector, Crimp Type | |
| 05 - Hardware Only \triangle | |
| 06 - Plug, Connector, Solderpot | } Plastic \triangle |
| 07 - Receptacle, Connector, Solderpot | |
| 08 - Plug, Connector, Crimp Type | |
| 09 - Receptacle, Connector, Crimp Type | |

INSERT ARRANGEMENT

	<u>METAL SHELL</u>	<u>PLASTIC</u>
A -	9 Contact	9 Contact
B -	15 Contact	15 Contact
C -	21 Contact	21 Contact
D -	25 Contact	25 Contact
E -	31 Contact	31 Contact
F -	37 Contact	37 Contact
G -	51 Contact	51 Contact
H -	100 Contact	\triangle

WIRE TYPE

- No Number - For Solderpot
- 01 - 18" long, #26 AWG per MIL-W-22759/11-26-9 (all white)
 - 02 - 36" long, #26 AWG per MIL-W-22759/11-26-9 (all white)
 - 03 - 18" long, #26 AWG per MIL-W-22759/11-26
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle
 - 04 - 36" long, #26 AWG per MIL-W-22759/11-26-
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle
 - 05 - .5" long, #25 AWG, type S per QQ-W-343,
Gold Plated
 - 06 - 1.0" long, #25 AWG, type S per QQ-W-343,
Gold Plated
 - 07 - .5" long, #25 AWG, type S per QQ-W-W-343,
Tin Plated
 - 08 - 1.0" long, #25 AWG, type S per QQ-W-343,
Tin Plated
 - 09 - 18" long, #26 AWG per MIL-W-22759/33-26-9 (all white) \triangle
 - 10 - 36" long, #26 AWG per MIL-W-22759/33-26-9 (all white) \triangle
 - 11 - 18" long, #26 AWG per MIL-W-22759/33-26
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle \triangle
 - 12 - 36" long, #26 AWG per MIL-W-22759/33-26
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle \triangle
 - 13 - 72" long, #26 AWG per MIL-W-22759/11-26-9 (all white) \triangle \triangle
 - 14 - 72" long, #26 AWG per MIL-W-22759/11-26
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle
 - 15 - 72" long, #26 AWG per MIL-W-22759/33-26-9 (all white) \triangle
 - 16 - 72" long, #26 AWG per MIL-W-22759/33-26
Color Coded per MIL-STD-681, System 1, 10 colors repeating \triangle \triangle

NOTES:

- ¹ - For every Mil Spec Part Number, ITT has one corresponding part number shown an example
- \triangle - Tolerance on wire lengths: 18", 36" and 72" long – +1.00"/-0.00" .5" and 1.00" – +.200"/-.000"
- \triangle - For space application, connector shell finish must be "A174" and wire must be per MIL-W-22759/33-26.
- 4 - Any deviations to these P/N's will result in assignment of a special P/N, consult factory.
- \triangle - Size 100 not available in / 06 through / 09. (Plastic shell)
- \triangle - Color coding in accordance with MIL-STD-681, System 1, no parenthesis. See page 83 for color code chart.
- \triangle - For mounting hardware to Military Specification (sizes 9 to 100) see page 13.

SHELL FINISH

- No number - for plastic type connector
- C – for Cadmium/Yellow chromate over nickel
- N – A174 - Electroless Nickel A174 \triangle



M83513/ 10 - A ** C *

SERIES

Connector, Electrical, Rectangular
 Microminiature, Polarized Shell
 PC Board Mounting

MIL-C-83513 SLASH SHEET


- 10 - Connector, Plug, Condensed Board Right Angle (CBR), Sizes 9 – 37
- 11 - Connector, Plug, CBR, Size 51
- 12 - Connector, Plug, CBR, Size 100
- 13 - Connector, Receptacle, CBR, Sizes 9 – 37
- 14 - Connector, Receptacle, CBR Size 51
- 15 - Connector, Receptacle, CBR, Size 100
- 16 - Connector, Plug, Board Right Angle (BR), Sizes 9 – 37
- 17 - Connector, Plug, BR, Size 51
- 18 - Connector, Plug, BR, Size 100
- 19 - Connector, Receptacle, BR, Sizes 9 – 37
- 20 - Connector, Receptacle, BR Size 51
- 21 - Connector, Receptacle, BR Size 100
- 22 - Connector, Plug, Board Straight (BS), Sizes 9 – 37
- 23 - Connector, Plug, BS, Size 51
- 24 - Connector, Plug, BS, Size 100
- 25 - Connector, Receptacle, BS, Sizes 9 – 37
- 26 - Connector, Receptacle, BS, Size 51
- 27 - Connector, Receptacle, BS Size 100

INSERT ARRANGEMENT



METAL SHELL

- A - 9 Contact
- B - 15 Contact
- C - 21 Contact
- D - 25 Contact
- E - 31 Contact
- F - 37 Contact
- G - 51 Contact
- H - 100 Contact



WIRE TYPE

- No Number - For Solderpot
- 01 - .109" long, #24 AWG solid copper wire per QQ-W-343, Type "S", solder dipped
- 02 - .140" long, #24 AWG solid copper wire per QQ-W-343, Type "S", solder dipped 
- 03 - .172" long, #24 AWG solid copper wire per QQ-W-343, Type "S", solder dipped

NOTES:

- 1 - For every Mil Spec Part Number, ITT has one corresponding part number
-  - Tolerance on wire lengths ±.015
-  - For space application, connector shell finish must be "N".
- 4 - Any deviations to these P/N's will result in assignment of a special P/N, consult customer service.

SHELL FINISH

- No letter - for plastic type connector
- C - Cadmium / Yellow chromate over nickel
- N - Electroless Nickel  

HARDWARE

- N - No jackpost
- P - Jackpost (permanently attached)
- T - Threaded insert