



Series 100 thru 111 DIP Jumpers

FEATURES:

- Aries offers a wide array of DIP jumper configurations and wiring possibilities for all your programming needs.
- Reliable, electronically tested solder connections.
- Protective covers are ultrasonically welded on and provide strain relief for cables.
- 10-color cable allows for easy identification and tracing.
- Consult factory for jumper lengths under 2.000 [50.80].

SPECIFICATIONS:

- Header body is red UL 94-HB Glass-filled Nylon. Consult factory for UL 94V-0 rated material.
- Header pins are Brass, 1/2 hard.
- Pin plating is 10μ [.25μm] min. Gold per MIL-G-45204 over 50μ [1.27μm] min. Nickel per QQ-N-290.
- Cable insulation is UL Style 2697 Polyvinyl Chloride (PVC).
- Laminate is clear PVC, self-extinguishing.
- .050 [1.27] pitch conductors are 28 AWG, 7/36 strand, Tinned Copper per ASTM B 33 (.039 [.99] pitch conductors are 26 AWG, 7/34 strand).
- Cable current rating=1 Amp @ 10°C [50°F] above ambient.
- Cable voltage rating=300 Volts.
- Cable temperature rating=176°F [80°C].
- Cable capacitance=13.0 pf/ft. [42.7pf/meter] nominal @1 MHz.**
- Crosstalk: 10' sample, 5 ns rise time with 2 lines driven. Near end=4.7%; Far end=4.3% nominal.**
- Propagation delay=1.5 ns/ft. [4.9 ns/meter] nominal.**
- Insulation resistance=10¹⁰ Ohms (10 ft. [3 meters] min.).

**Note: Applies to .050 [1.27] pitch cable only.

MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.033 ± .002 [.86 ± .05].



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-XXXX-XXXX

No. of conductors
(see table)

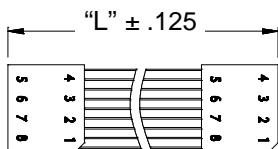
Cable length in inches:
Ex: 2" = -002-
2.5" = -002.5-
(min. length=2" [50.80mm])

Optional suffix:
T= Tin plated header pins
TW= twisted pair cable
ST= stripped and Tinned
ends (Series 106-111)

ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances ± .005 [.13]
unless otherwise specified

SERIES
100

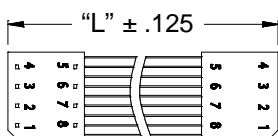
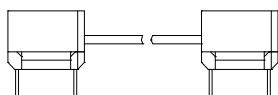


See Data Sheet No.
11007 for other
configurations and
additional information.

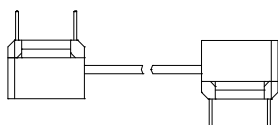
Centers "C"	Dim. "D"	Available Sizes
.300 [7.62]	.395 [10.03]	4 thru 20
.400 [10.16]	.495 [12.57]	22
.600 [15.24]	.695 [17.65]	24, 28, 40

"A"=(NO. OF CONDUCTORS X .050 [1.27] + .095 [2.41])
"B"=(NO. OF CONDUCTORS - 1) X .050 [1.27]

Numbers
shown pin
side for
reference
only.

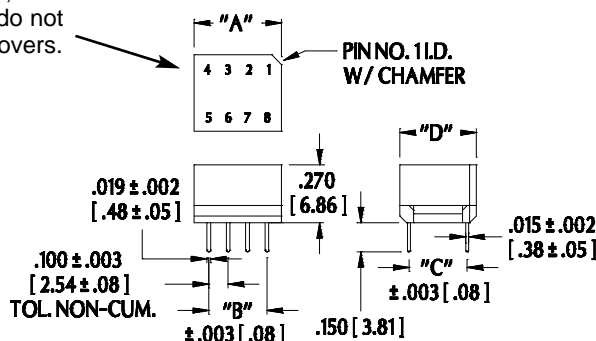


SERIES
101



Note: 10, 12, 18, 20, & 28
conductor jumpers do not
have numbers on covers.

HEADER DETAIL



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