Series 112, 113, & 114
Deci-Center™ Jumpers

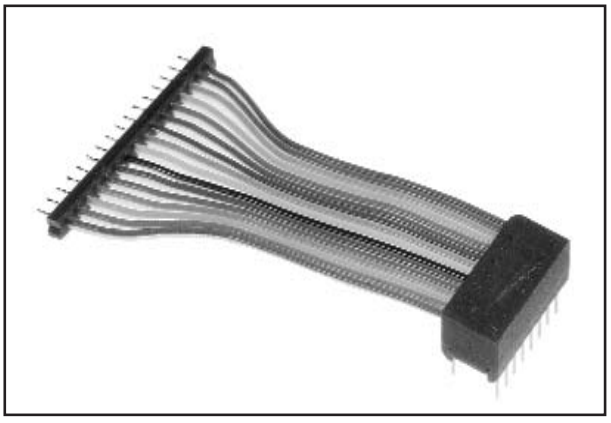
FEATURES:
- Aries offers a wide array of DIP jumper configurations and wiring possibilities for all your programming needs.
- Reliable, electronically tested solder connections.
- DIP-end cable is potted to provide strain relief.
- Protective covers are also provided on header.
- Pitch bars help maintain .100 [2.54] conductor spacing.
- 10-color cable allows for easy identification and tracing.
- Consult factory for jumper lengths under 3.000 [76.20].

SPECIFICATIONS:
- Header body and pitch bar are black UL 94 V-0 Glass-filled 4/6 Nylon.
- 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 SAE-AMS-QQ-N-290.
- Cable insulation is UL Style 2697 Polyvinyl Chloride (PVC).
- Cable 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=10^{10} 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].

"X"=(NO. OF CONDUCTORS - 1) X .100 [2.54]



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.

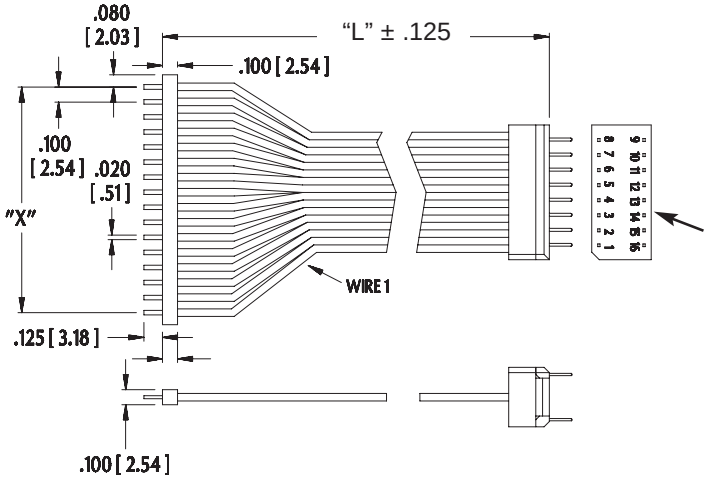
ORDERING INFORMATION

XX-XXX-XXX

- No. of conductors (see table)
- Cable length in inches: EX: 3" = -003-/ 3.5 = -003.5- min. length =3" [76.20mm]
- Jumper series: 112, 113, 114 112X, 113X, 114X (see Data Sheet No. 11009 for wiring table)

ALL DIMENSIONS: INCHES [MILLIMETERS]

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



Numbers shown pin side for reference only.

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

See Data Sheet No. 11009 for other configurations and additional information.

SERIES 112

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