



# Series 112, 113, and 114 Deci-Center™ Jumpers

## FEATURES

- Wide Array of DIP Jumper Configurations and Wiring Possibilities
- Reliable, Electronically-tested Solder Connections
- Strain Relief Provided thru Potted DIP End
- Protective Covers on Header
- Pitch Bars Maintain 0.100 [2.54] Conductor Spacing
- Easy Identification and Tracing with 10-color Cable



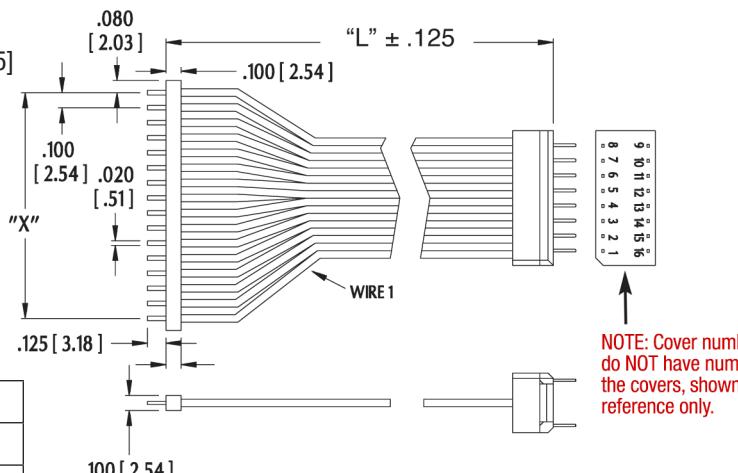
## GENERAL SPECIFICATIONS

- HEADER BODY & PITCH BAR: black UL 94V-0 glass-filled 4/6 Nylon
- HEADER PINS: Brass 1/2-hard
- PIN PLATING: 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B
- CABLE INSULATION: UL Style 2697 Polyvinyl Chloride (PVC)
- CABLE LAMINATE: clear PVC, self-extinguishing\*
- 0.050 [1.27] PITCH CONDUCTORS: 28-AWG, 7/36-strand, tinned Cu per ASTM B 33
- 0.039 [0.99] PITCH CONDUCTORS: 26-AWG, 7/34-strand)
- CABLE CURRENT RATING: 1 amp at 10°C [50°F] above ambient
- CABLE VOLTAGE RATING: 300V
- CABLE TEMPERATURE RATING: 176°F [80°C]
- CABLE CAPACITANCE: 13.0pF/ft. [42.7pF/meter] nominal at 1MHz\*
- CROSSTALK: 10-ft sample, 5ns rise time with 2 lines driven; near end 4.7%; far end 4.3% nominal\*
- PROPAGATION DELAY: 1.5ns/ft. [4.9ns/meter] nominal\*
- INSULATION RESISTANCE: 1010 $\Omega$  (10 ft. [3 meters] min.)

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.033  $\pm$  0.002 [0.86  $\pm$  0.05] dia.

\* Applies to 0.050 [1.27] Pitch Cable Only



SERIES 112

Centers "C"	Dim. "D"	Available Sizes
0.300 [7.62]	0.395 [10.03]	4 thru 20
0.400 [10.16]	0.495 [12.57]	22
0.600 [15.24]	0.695 [17.65]	24, 28, 40

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES:  $\pm 0.005$  [0.13] UNLESS OTHERWISE SPECIFIED

FOR OTHER CONFIGURATIONS, SEE [DATA SHEET 11008](#)

FOR JUMPER LENGTHS UNDER 3.000 [76.20], CONSULT FACTORY

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

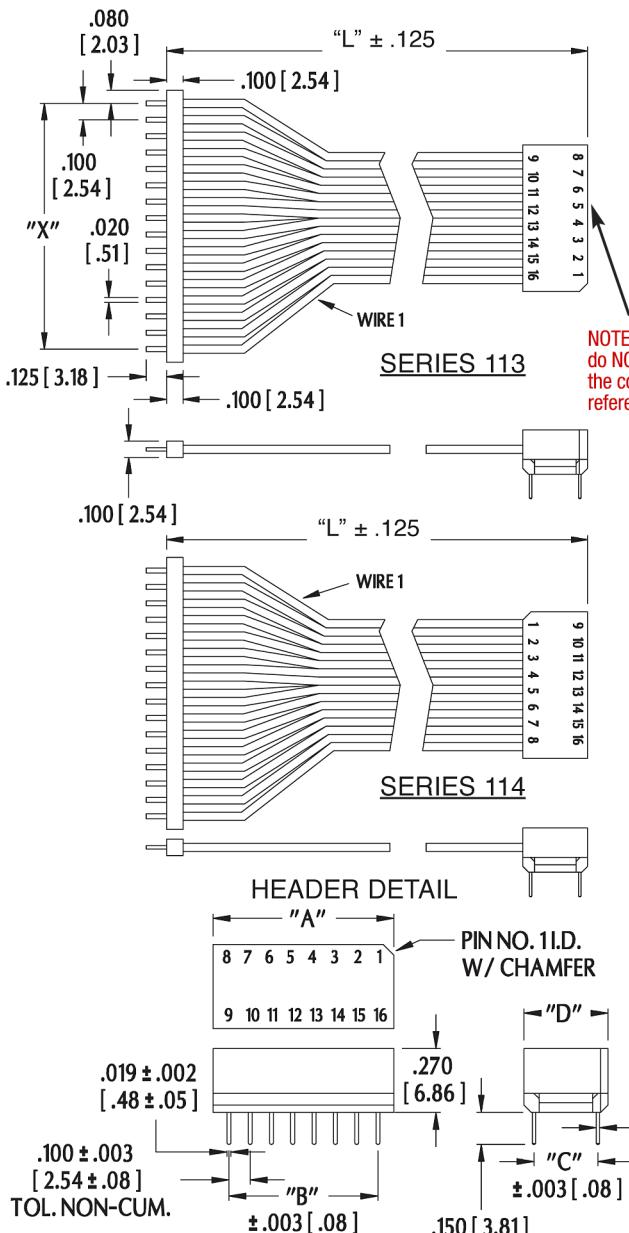
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ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

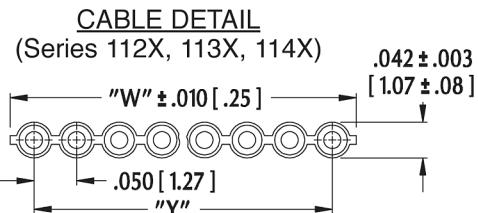
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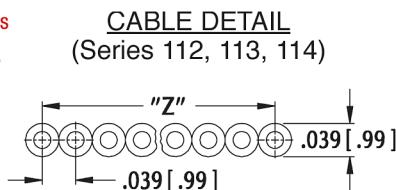
**NOTE: Cover numbers/sizes  
do NOT have numbers on  
the covers, shown here for  
reference only.**



“W” = No. of Conductors x 0.050 [1.27] + 0.005 [0.08]

$$\text{“Y”} = (\text{No. of Conductors} - 1) \times 0.050 \quad [1.27]$$

$$\text{“Z”} = (\text{No. of Conductors} - 1) \times 0.039 [0.99]$$



## WIRING LIST

Wire No.	Series 112, 113, 114 Pin No.	Series 112X, 113X, 114X Pin No.
1	1	1
2	2	16
3	3	3
4	4	15
5	5	3
6	6	14
7	7	4
8	8	13
9	9	5
10	10	12
11	11	6
12	12	11
13	13	7
14	14	10
15	15	8
16	16	9

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