

# **Series 112, 113, and 114 Deci-Center**<sup>™</sup> **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

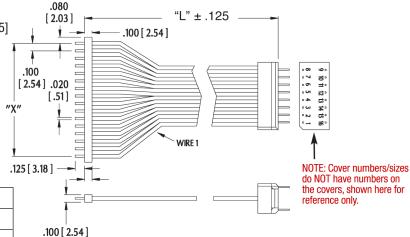
### **GENERAL SPECIFICATIONS**

- HEADER BODY & PITCH BAR: black UL 94V-0 glass-filled 4/6 Nylon
- HEADER PINS: Brass 1/2-hard
- PIN PLATING: 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] 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: 1010Ω (10 ft. [3 meters] min.)

## **MOUNTING CONSIDERATIONS**

SUGGESTED PCB HOLE SIZE: 0.033 ±0.002 [0.86 ±0.05]

\* Applies to 0.050 [1.27] Pitch Cable Only



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

SERIES 112

**ALL DIMENSIONS: INCHES [MILLIMETERS]** ALL TOLERANCES: ±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

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

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ORDERING INFORMATION

Series

112. 113, 114 112X. 113X, 114X

(see Wiring Table)

Cable Length (inches)

3.0'' = 003 (min)

3.5" = 003.5

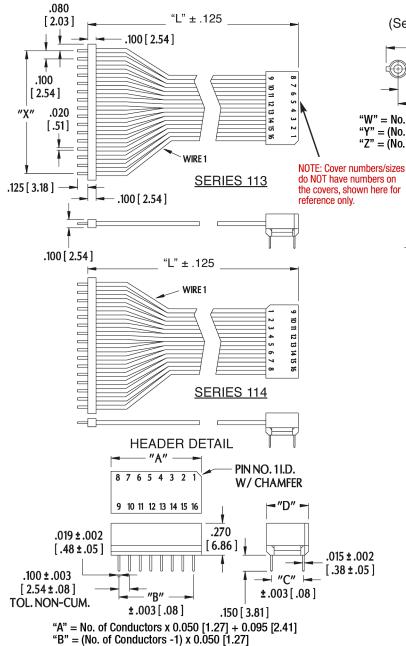
No. of Conductors

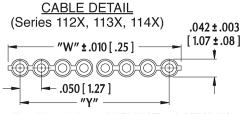
(See Table)

XX-XXX-XXX



## Series 112, 113, and 114 Deci-Center<sup>™</sup> Jumpers



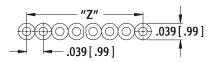


"W" = No. of Conductors x 0.050 [1.27] + 0.005 [0.08]

"Y" = (No. of Conductors -1) x 0.050 [1.27]

"Z" = (No. of Conductors -1) x 0.039 [0.99]

<u>CABLE DETAIL</u> (Series 112, 113, 114)



### **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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"X" = (No. of Conductors -1) x 0.100 [2.54]

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