



# 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

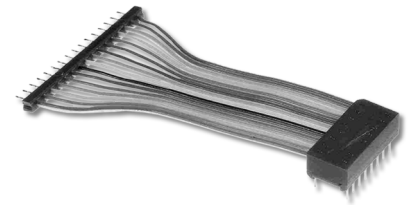
- **HEADER BODY & PITCH BAR:** black UL 94V-0 glass-filled 4/6 Nylon
- **HEADER PINS:** Brass 1/2-hard
- **PIN PLATING:** 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290B
- **CABLE INSULATION:** UL Style 2697 Polyvinyl Chloride (PVC)
- **CABLE LAMINATE:** clear PVC, 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

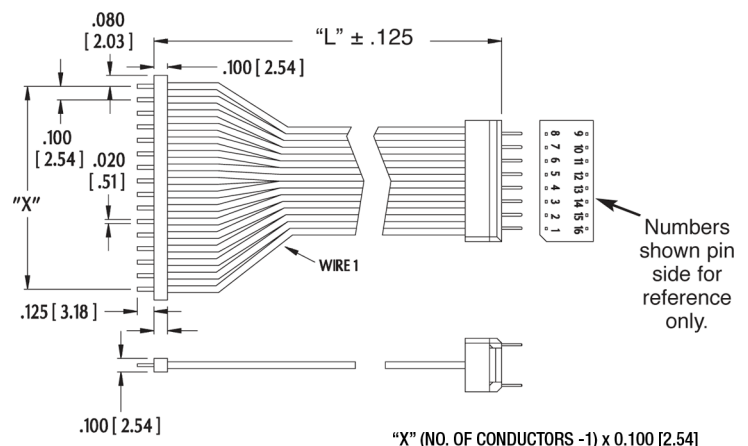
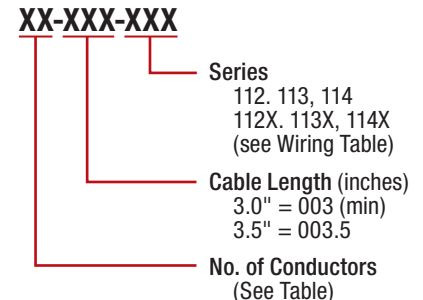
- **SUGGESTED PCB HOLE SIZE:** 0.033 ±0.002 [0.86 ±0.05] dia.

\* 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      |



## ORDERING INFORMATION



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.  
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ELECTRONICS, INC.

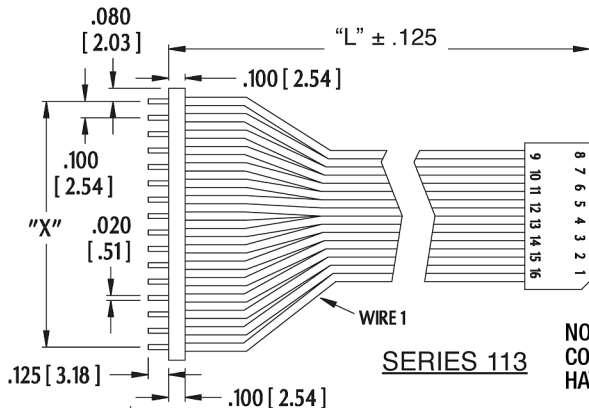
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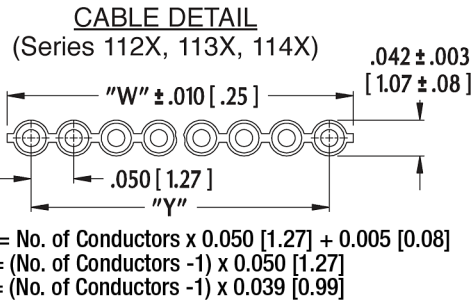


# Series 112, 113, and 114 Deci-Center™ Jumpers

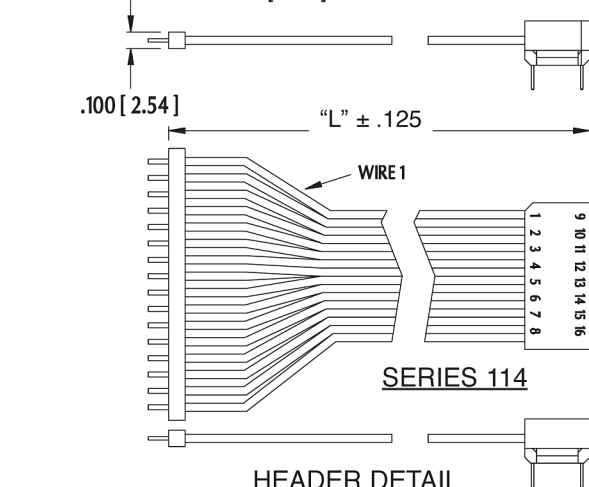
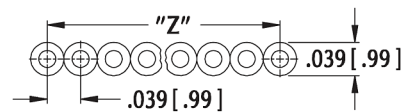


**SERIES 113**

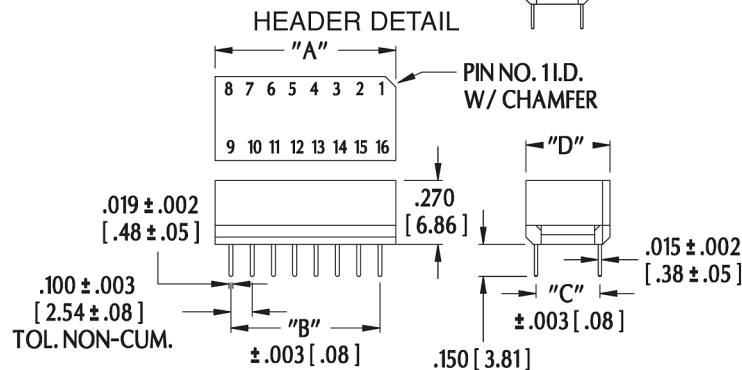
NOTE: 10, 12, 18, 20 & 28  
CONDUCTOR JUMPERS DO NOT  
HAVE NUMBERS ON COVERS



**CABLE DETAIL**  
(Series 112, 113, 114)



**SERIES 114**



"A" = No. of Conductors x 0.050 [1.27] + 0.095 [2.41]  
"B" = (No. of Conductors - 1) x 0.050 [1.27]  
"X" = (No. of Conductors - 1) x 0.100 [2.54]

## WIRING LIST

| Wire No. | Series 112, 113, 114<br>Pin No. | Series 112X, 113X,<br>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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