



# 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 0.100 [2.54] conductor spacing
- 10-color cable allows for easy identification and tracing
- For jumper lengths under 3.000 [76.20] [Consult Factory](#)

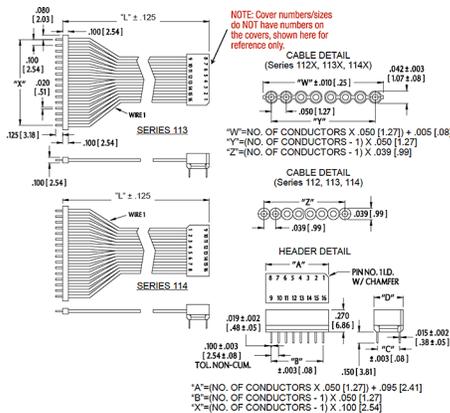


## GENERAL SPECIFICATIONS

- **HEADER BODY AND 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.)
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## MOUNTING CONSIDERATIONS

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



## ORDERING INFORMATION

**XX-XXXX XXX**

- **Jumper Series**  
112, 113, 114, 112X, 113X, 114X (see Wiring Table)
- **Cable Length (inches)**  
3.0" = 0.003 [0.0762]  
3.5" = 0.0035 [0.08890]
- **No. of Conductors**  
(see Wiring Table)

WIRING TABLE		
Wire Number	Series 112, 113, 114 Pin Number	Series 112X, 113X, 114X Pin Number
1	1	1
2	2	16
3	3	2
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

ALL DIMENSIONS: INCHES [MILLIMETERS]  
 ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
 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

PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED



**ARIES**  
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA  
 TEL 215-781-9956 • FAX 215-781-9845  
 WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



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