



# Series 115, 116, 117 DIP-ER™ Logic Jumper

## FEATURES

- Wide Array of DIP Jumper Configurations and Wiring Possibilities
- Reliable, Electronically-tested Solder Connections
- Strain Relief by Ultrasonically-welded Protective Covers
- Easy Identification and Tracing with 10-color Cable
- Point-to-point Wiring



## GENERAL SPECIFICATIONS

- **HEADER BODY:** 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 flame-retardant Polyvinyl Chloride (PVC), 0.010 [0.25] nominal thickness
- **CONDUCTORS:** 28-AWG, 7/36-strand, tinned Cu per ASTM B 33
- **CABLE CURRENT RATING:** 1 amp at 10°C [50°F] above ambient
- **CABLE VOLTAGE RATING:** 300V
- **CABLE TEMPERATURE RATING:** 176°F [80°C]
- **INSULATION RESISTANCE:** 1010Ω (10 ft. [3 meters] min.)

## MOUNTING CONSIDERATIONS

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

## ORDERING INFORMATION

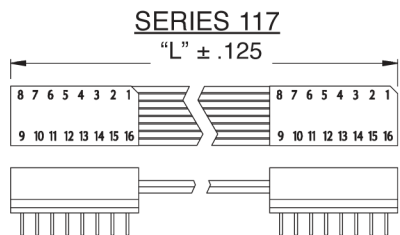
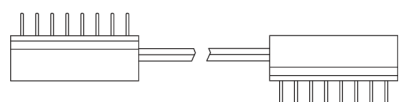
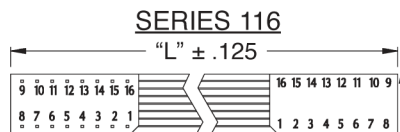
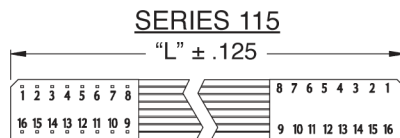
**XX-XXX XXX**

Series  
115, 116, 117

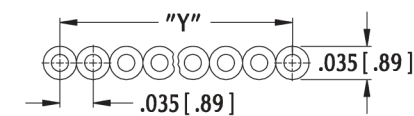
Length "L" (inches)  
2.00" = 002 (min)  
2.50" = 002.5  
3.00" = 003  
Etc.

No. of Conductors  
(See Table)

| Centers "C"   | Dim. "D"      | Available Sizes   |
|---------------|---------------|-------------------|
| 0.300 [7.62]  | 0.395 [10.03] | 8, 14, 16, 18, 20 |
| 0.400 [10.16] | 0.495 [12.57] | 22                |
| 0.600 [15.24] | 0.695 [17.65] | 24, 28, 40        |

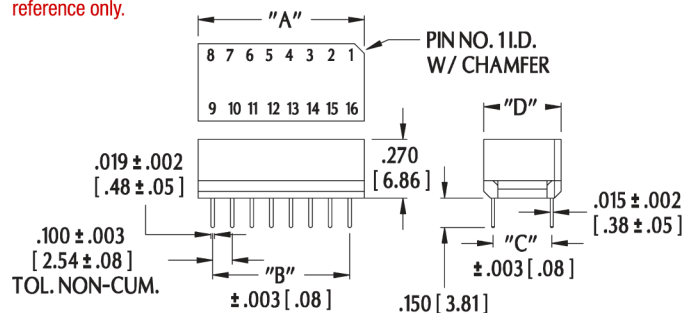


## CABLE DETAIL



$$Y = (\text{NO. OF CONDUCTORS} - 1) \times 0.035 [0.89]$$

## HEADER DETAIL



$$A = (\text{NO. OF CONDUCTORS} \times 0.050 [1.27]) + 0.095 [2.41]$$

$$B = (\text{NO. OF CONDUCTORS} - 1) \times 0.050 [1.27]$$

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

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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