



# Series 200 thru 216 Male/Female DIP Jumpers

## FEATURES

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

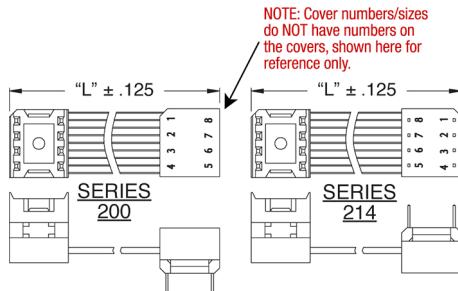
## GENERAL SPECIFICATIONS

- **BODY MATERIAL:** black UL 94V-0 glass-filled 4/6 Nylon
- **SOLDER TAIL PINS:** Brass, 1/2-hard
- **SOCKET CONTACTS:** Grade A Spring-tempered Phosphor Bronze per QQ-B-750
- **PIN AND CONTACT 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)
- **LAMINATE:** clear PVC, self-extinguishing
- **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]
- **CABLE CAPACITANCE:** 13.0pF/ft. [42.7pF/meter] nominal at 1MHz
- **CROSSTALK:** 10' 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 ± 0.05] dia.

Centers "C"	Dim. "D"	Dim. "H"	Available Sizes
0.300 [7.62]	0.395 [10.03]	0.390 [9.90]	8, 14, 16, 18, 20
0.400 [10.16]	0.495 [12.57]	0.490 [12.45]	22
0.600 [15.24]	0.695 [17.65]	0.690 [17.54]	24, 28, 40



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

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

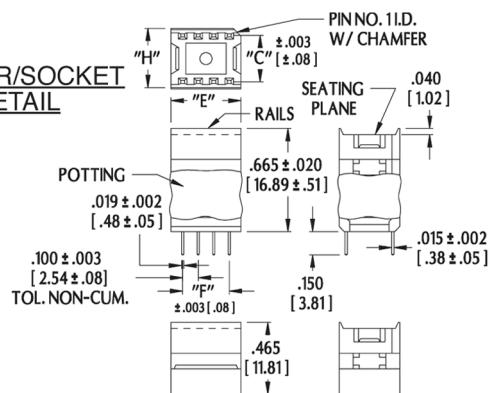


## ORDERING INFORMATION

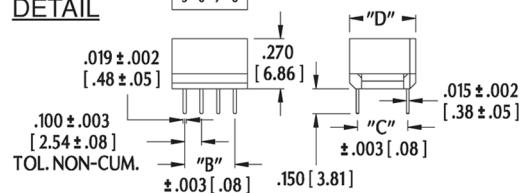
XX-XXX XXX XX

Optional Ends  
 ST = Stripped & Tinned  
 (Series 206, 210)  
 Series  
 Length "L" (inches)  
 2.0" = 002 [7.62] (min)  
 2.5" = 002.25  
 No. of Conductors  
 (See Table)

## HEADER/SOCKET DETAIL



## HEADER DETAIL



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

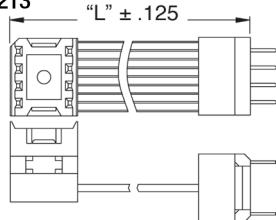
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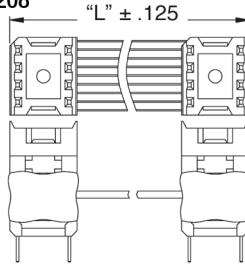


# Series 200 thru 216 Male/Female DIP Jumpers

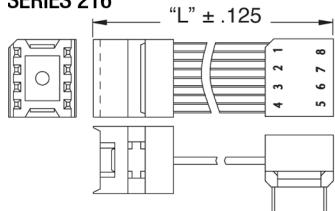
SERIES 213



SERIES 208

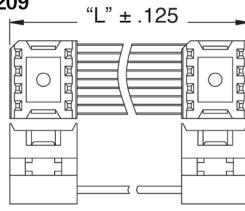


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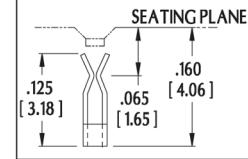


NOTE: Cover numbers/sizes do NOT have numbers on the covers, shown here for reference only.

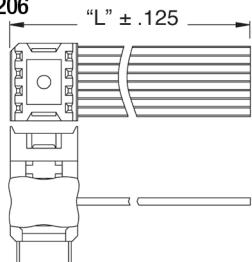
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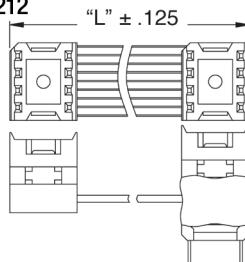
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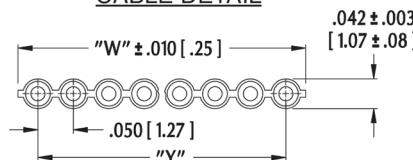
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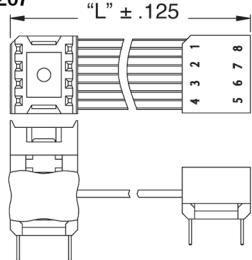
SERIES 212



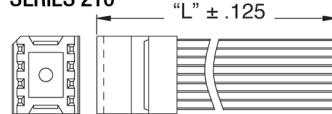
## CABLE DETAIL



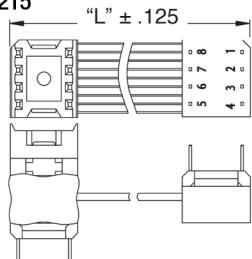
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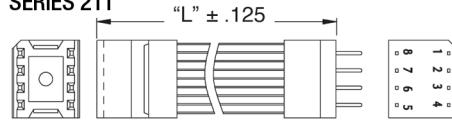
SERIES 210



SERIES 215



SERIES 211



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Rev. 6.2  
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