



# 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:** 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)
- **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:** 1010Ω (10 ft. [3 meters] min.)

## MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.033 ± 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        |



NOTE: 18, 20 & 28 position headers do not have numbers on covers

"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]



## ORDERING INFORMATION

XX-XXX XXX XX

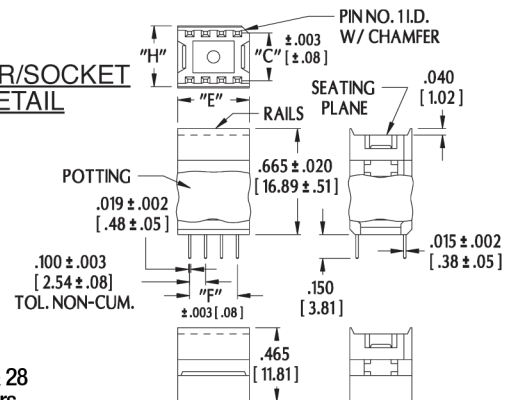
Optional Ends  
 ST = Stripped & Tinned  
 (Series 206, 210)

Series

Length "L" (inches)  
 2.0" = 002 [7.62] (min)  
 2.5" = 002.25

No. of Conductors  
 (See Table)

## HEADER/SOCKET DETAIL



## HEADER DETAIL



ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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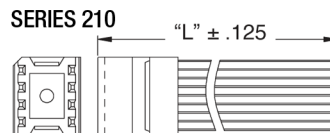
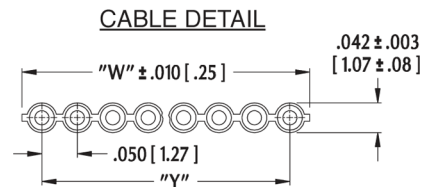
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11012  
 Rev. 6.1  
 1 of 2



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