



# 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

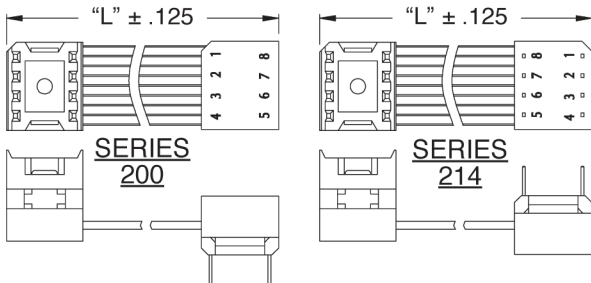
## GENERAL SPECIFICATIONS

- **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  $\pm$  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

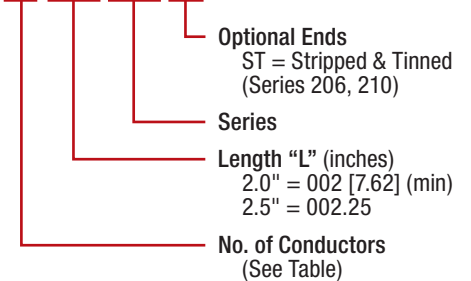


"A" = (No. of Conductors x 0.050 [1.27]) + 0.095 [2.41]  
 "B" = (No. of Conductors - 1) x 0.050 [1.27]  
 "E" = (No. of Conductors + 1) x 0.050 [1.27]  
 "F" = (No. of Conductors - 1) x 0.050 [1.27]

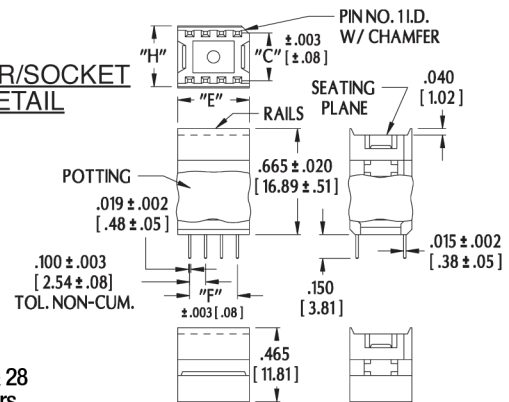


## ORDERING INFORMATION

**XX-XXX XXX XX**

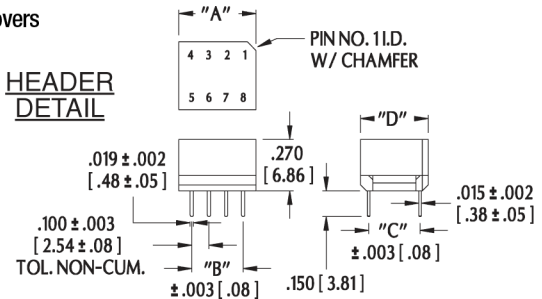


## HEADER/SOCKET DETAIL



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

## HEADER DETAIL



ALL DIMENSIONS: INCHES [MILLIMETERS]  
 ALL TOLERANCES:  $\pm$ 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.

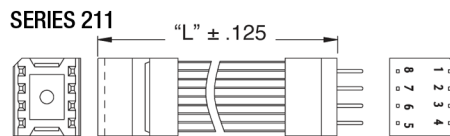
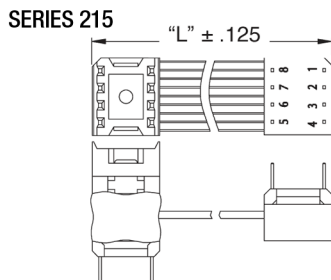
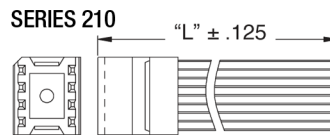
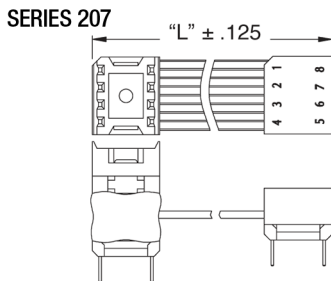
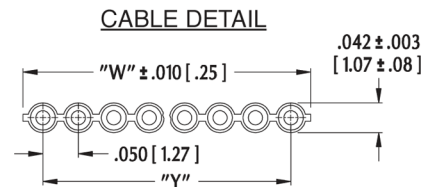
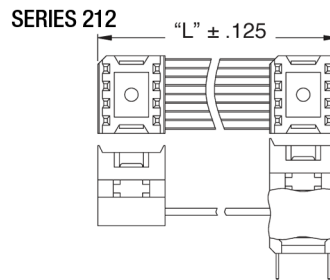
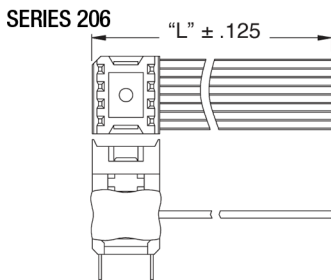
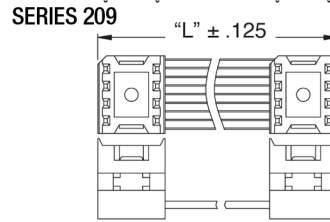
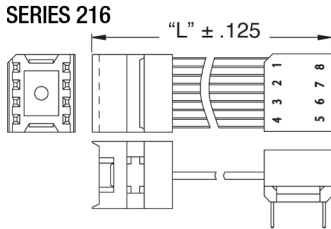
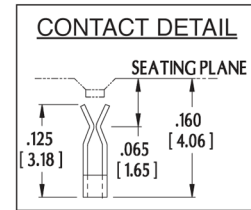
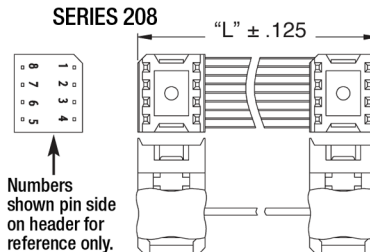
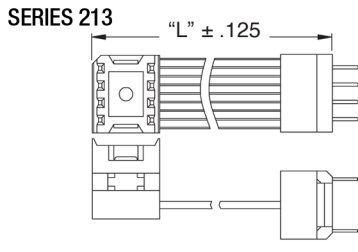
2609 Bartram Road • Bristol, PA 19007-6810 USA  
 TEL 215-781-9956 • FAX 215-781-9845  
 WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



11012  
 Rev. 6.1  
 1 of 2



# Series 200 thru 216 Male/Female DIP Jumpers



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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Aries Electronics:

[24-008-211](#) [28-036-211](#) [20-036-209](#) [28-036-215](#) [28-036-213](#) [20-036-207](#) [28-036-214](#) [20-036-208](#) [20-036-200](#)  
[28-036-210](#) [20-036-206](#) [28-036-216](#) [28-036-212](#) [28-036-207](#) [20-036-213](#) [28-036-209](#) [20-036-211](#) [20-036-215](#) [20-](#)  
[036-212](#) [28-036-206](#) [20-036-216](#) [20-036-214](#) [20-036-210](#) [28-036-200](#) [28-036-208](#) [24-036-206](#) [24-036-200](#) [24-](#)  
[036-208](#) [24-036-209](#) [24-036-207](#) [24-036-214](#) [24-036-210](#) [24-036-216](#) [24-036-212](#) [24-036-213](#) [24-036-215](#) [24-](#)  
[036-211](#) [22-036-206](#) [22-036-200](#) [22-036-208](#) [22-036-209](#) [22-036-207](#) [22-036-214](#) [22-036-210](#) [22-036-216](#) [22-](#)  
[036-212](#) [22-036-213](#) [22-036-215](#) [22-036-211](#) [24-005.5-200](#) [40-007-207](#) [08-024-213](#) [08-024-215](#) [08-024-211](#) [08-](#)  
[024-216](#) [08-024-212](#) [08-024-210](#) [08-024-214](#) [08-024-209](#) [08-024-207](#) [08-024-200](#) [08-024-208](#) [08-024-206](#) [24-](#)  
[003-211](#) [24-003-207](#) [28-005-216](#) [08-012-209](#) [08-012-207](#) [08-012-200](#) [08-012-208](#) [08-012-206](#) [08-012-213](#) [08-](#)  
[012-215](#) [08-012-211](#) [08-012-216](#) [08-012-212](#) [08-012-210](#) [08-012-214](#) [14-036-213](#) [14-036-215](#) [14-036-211](#) [14-](#)  
[036-216](#) [14-036-212](#) [14-036-210](#) [14-036-214](#) [14-036-209](#) [14-036-207](#) [14-036-200](#) [14-036-208](#) [14-036-206](#) [20-](#)  
[010-200](#) [18-036-214](#) [18-036-210](#) [18-036-216](#) [18-036-212](#) [18-036-213](#) [18-036-215](#) [18-036-211](#) [20-010-210](#) [24-](#)  
[004-211](#)