



- 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



- **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.)

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

Technical drawings of Series 200 and Series 214 connectors. The drawings show the top view, side view, and cross-sectional view of the connectors. The top view includes dimensions and pin numbers.

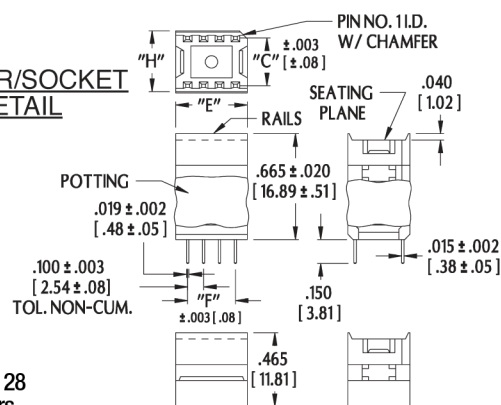
Series 200: The top view shows a connector with a length dimension of $L \pm .125$. The pin numbers are 4, 3, 2, 1, 5, 6, 7, 8. The side view shows the connector's profile, and the cross-sectional view shows the internal structure.

Series 214: The top view shows a connector with a length dimension of $L \pm .125$. The pin numbers are 5, 6, 7, 8, 4, 3, 2, 1. The side view shows the connector's profile, and the cross-sectional view shows the internal structure.

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]

HEADER/SOCKET DETAIL



vers

HEADER
DETAIL

Technical drawing of a 2x8 pin header. The drawing includes a top view showing a rectangular footprint with pins numbered 1 through 8 in two rows (4 3 2 1 and 5 6 7 8). A dimension 'A' indicates the width. A callout points to the pins with the text 'PIN NO. 1 I.D. W/ CHAMFER'. A side view shows the profile of the header with dimensions for height (.270 [6.86]), pin height (.019 ± .002 [.48 ± .05]), pin width (.100 ± .003 [2.54 ± .08]), and pin pitch (.003 ± .001 [.08]). A cross-sectional view shows the pin diameter (.015 ± .002 [.38 ± .05]) and the header thickness (.150 [3.81]). A dimension 'D' indicates the width of the header body, and 'C' indicates the width of the pin base. The text 'TOL. NON-CUM.' is present.

PIN NO. 1 I.D.
W/ CHAMFER

HEADER
DETAIL

.019 ± .002
[.48 ± .05]

.270
[6.86]

.100 ± .003
[2.54 ± .08]

TOL. NON-CUM.

"A"

"D"

"C"

.015 ± .002
[.38 ± .05]

± .003 [.08]

.150 [3.81]

± .003 ± .001 [.08]

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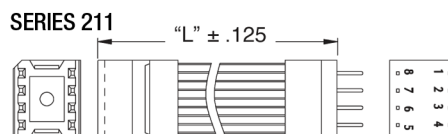
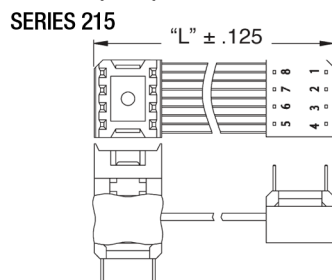
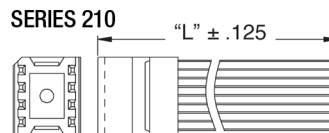
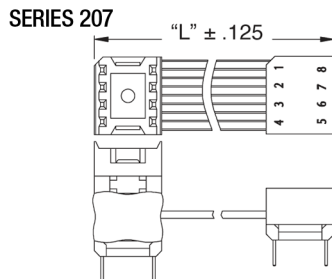
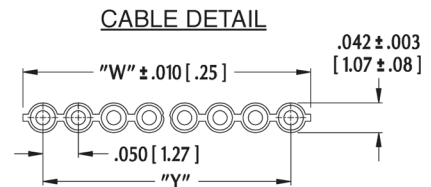
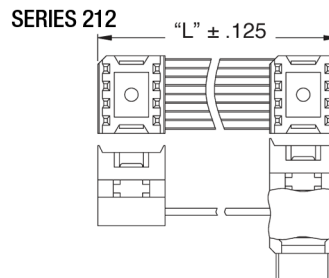
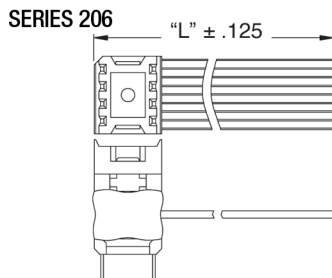
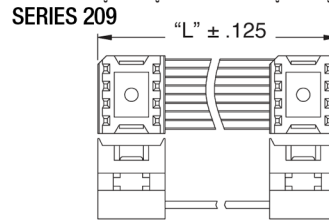
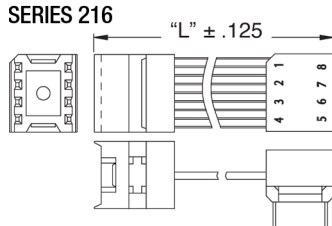
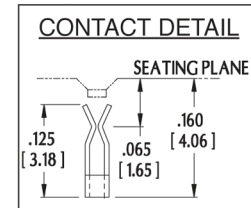
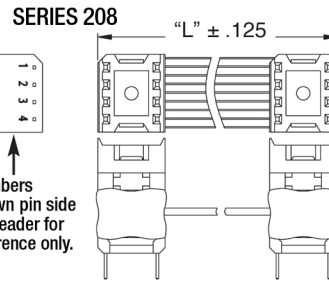
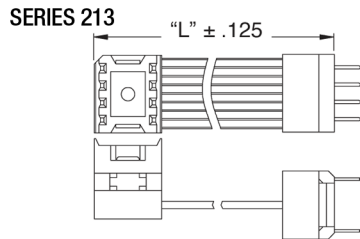


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Series 200 thru 216 Male/Female DIP Jumpers



ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ± 0.005 [0.13] UNLESS OTHERWISE SPECIFIED
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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11012
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2 of 2

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