

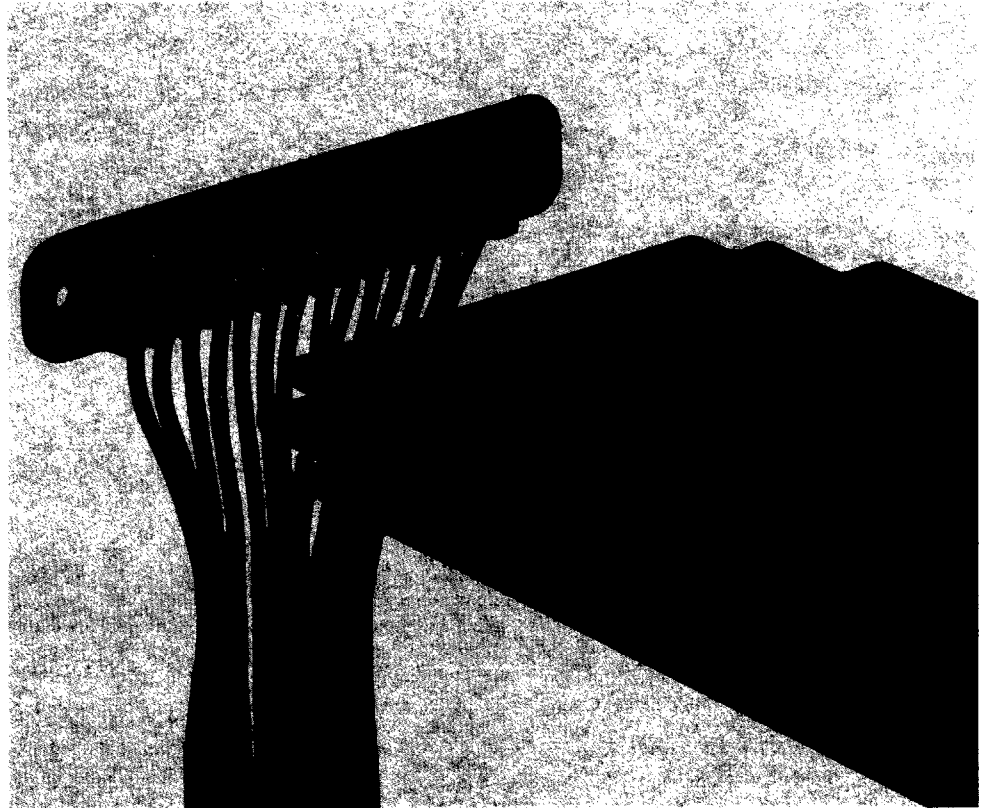


DUO-TYNE Flag Connectors

Product Facts

- Right angle design permits cabling in close quarters
- Recessed contacts prevent arcing
- Sizes and configurations available with or without mounting ears
- Lowest installed costs achieved through high-speed compression crimping with AMP matched tooling
- Meets quality and reliability requirements for appliance controls, vending machine subassemblies and business machines
- Recognized under the Component Program of Underwriters Laboratories Inc. File No. E28476 
- Certified by Canadian Standards Association File No. LR 7189 



DUO-TYNE Flag Connectors

This flag-type connector is designed to meet the quality and reliability of such equipment as appliance controls, vending machine subassemblies, television, stereo, business machines and other applications with similar control needs.

Among its assembly-saving features is a right-angle design which permits cabling in close quarters, where it does not require frame mounting to attach

the keyed housing to the card cutout and double locking of the contacts when a PC board is inserted. In addition, contacts are recessed to prevent arcing. All sizes and configurations are available with or without mounting ears. Added to low initial cost, lowest installed costs are achieved through high-speed compression crimping with AMP matched tooling.

Performance Specifications

Contact Rating*:
5 amperes

High Potential:
2200 VAC, rms

Operating Temperature:
-40°C to +105°C

Vibration:
10 to 55 cps per MIL-STD-1344, Method 202

*Consult AMP engineering when paralleling contacts for power applications.

DUO-TYNE Flag Connectors (Continued)

Tapered Beam Crimp, Snap-In Contacts

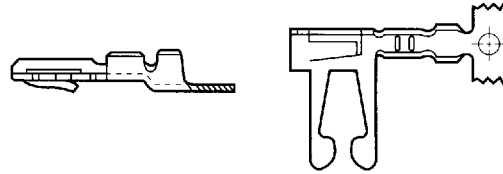
Material and Finish:

Beryllium copper or phosphor bronze (see chart) plated as follows:

Plating A—.000030 [0.00076] gold in mating area, with entire contact under-plated .000050 [0.00127] nickel

Plating B—.000015 [0.00127] gold in mating area, with entire contact under-plated .000050 [0.00127] nickel

Plating C—.000150 [0.00381] tin



Related Product Data:

Performance Specifications—page 158

Connector Housings—page 160

Application Tooling—pages 165, 166

Technical Documents

(pages 172, 173):

AMP Product Specification
108-9038

AMP Application Specification
114-9002

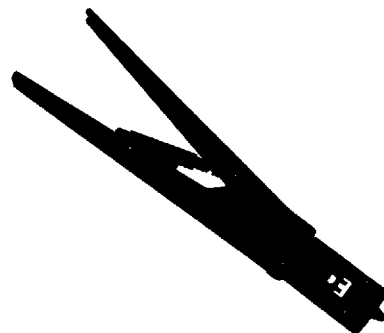
AMP Instruction Sheets 408-7047,
408-7780, 408-7848, 408-7849

AMP Crimp Inspection Sheet
CI 8050-11

Wire Size Range		Insulation Dia. Range	Material	Contact Finish (Plating)	Contact Part Numbers		Applicator for AMP-O-ELECTRIC Machine*	Hand Tool
AWG	mm ²				Loose Piece	Strip Form		
26-22	0.12-0.4	.035-.055 0.89-1.40	Beryllium Copper	A	530005-3	530004-6	466586-2	90094-4
				C	—	530002-5		
22-18	0.3-0.9	.060-.090 1.52-2.29	Phosphor Bronze	A	530003-2	530002-3	466424-2	90027-4
				C	—	530006-5		
			Beryllium Copper	A	—	530006-6		
				B	530007-3	—		
18-16	0.8-1.4	.090-.130 2.29-3.30	Phosphor Bronze	C	—	530505-5	466413-2	—

*Applicators are for Model "K" machines. Consult AMP for applicators for other bench machines and lead-making machines.

Hand Crimping Tool



Contact Extraction Tool
810992-1



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DUO-TYNE Flag Connectors (Continued)

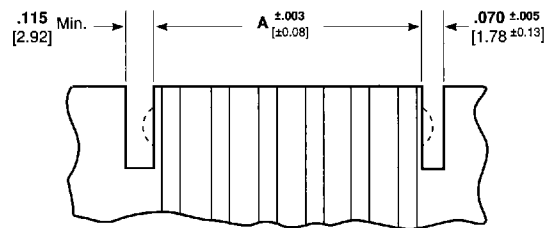
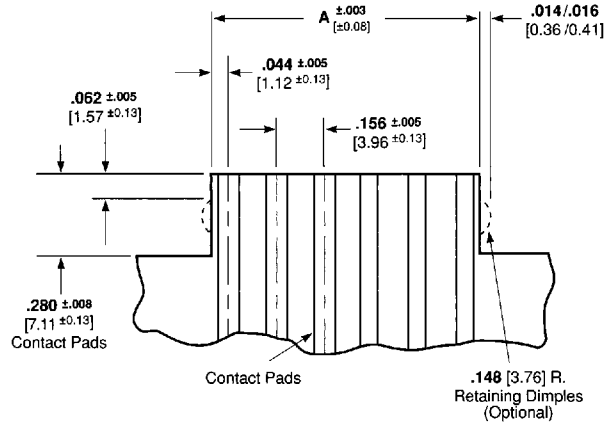
Recommended PC Board Layouts

Related PC Board Data:

Recommended Board Thickness—
.055-.070 [1.40-1.78]

Recommended Chamfer of Mating Edge of Boards—.015 [0.38] x 45°

Recommended Pad Plating—Tin
.000150-.000400 [0.00381-0.01016]
thick



No. of Positions	Dimension A
3	.400 10.16
6	.868 22.05
9	1.337 33.96
12	1.805 45.85
14	2.117 53.77
15	2.272 57.71
18	2.741 69.62
22	3.365 85.47

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