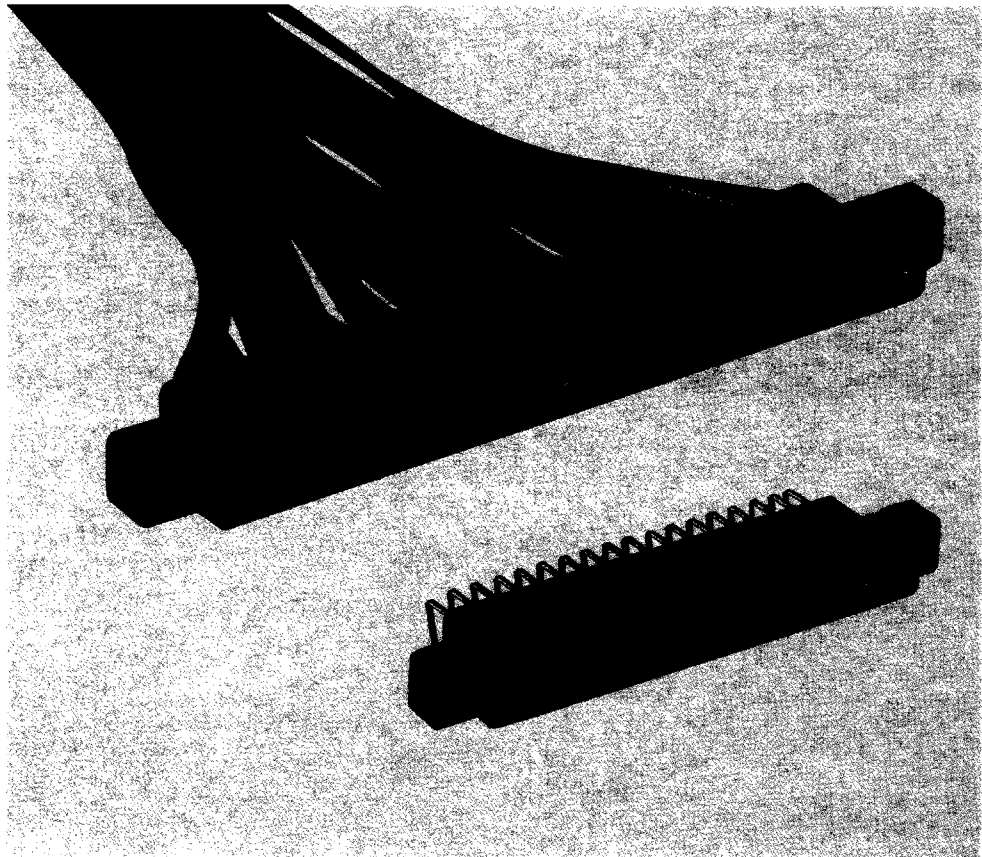


AMP-LEAF Connectors

Product Facts

- Contacts on .156 [3.96] centers
- Glass-filled polyester, phenolic or diallyl phthalate housings
- Closed card entry design prevents overstressing of contacts
- Gold-over-nickel plated contacts
- Locking lance permits easy contact replacement
- Keying
- Contacts maintain exact pressures on the circuit paths, despite repeated insertions and extractions
- Recognized under the Component Program of Underwriters Laboratories Inc. File No. E28476 
- Certified by Canadian Standards Association**, File No. LR 7189 



AMP-LEAF
Connectors

**CSA certification pending for certain products, as noted.

Performance Specifications

Contact Current Rating*:

5.0 amperes, max.

Contact Engaging Force:

16 oz. [4.4 N], max.

Contact Separation Force:

2 oz. [0.6 N], min.

Vibration:

MIL-STD-202, Method 201

Operating Temperature:

Contacts -40°C to +85°C

Storage Temperature:

-40°C to +85°C

Housings:

Glass-Filled Polyester, -55°C to +105°C

Glass-Filled Phenolic, -65°C to +125°C

Diallyl Phthalate, -65°C to +125°C

AMP-LEAF Connectors are available with crimp, snap-in contacts or preloaded with right-angle posted contacts.

The crimp type printed circuit connector is supplied with the housing unloaded—the user buys only enough contacts to satisfy circuit requirements. This feature, when coupled with the AMP matched tooling, contributes substantially to lower installed costs.

Right-angle posted connectors are supplied in various sizes, with preloaded contacts on one or both sides.

The solder-type posts are formed 90° from the housing to permit right-angle interfacing between mother and daughter boards.

*Consult AMP engineering when paralleling contacts for power applications.

AMP-LEAF Connectors (Continued)

Crimp, Snap-In Contacts

Material and Finish:

Phosphor bronze, plated as follows:

Plating A—.000100-.000200
[0.00254-0.00508] tin (lubricant must
be used)

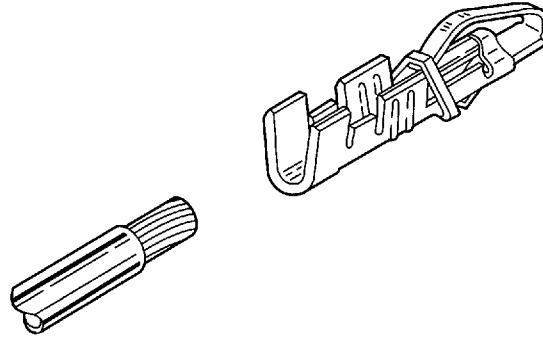
Plating B—.000030 [0.00076] min.
gold in mating area, gold flash on
remainder of contact, with entire contact
underplated .000050 [0.00127] min.
nickel

Plating C—.000015 [0.00038] min.
gold in mating area, gold flash on
remainder of contact, with entire contact
underplated .000050 [0.00127] min.
nickel

Plating D—.000030 [0.00076] min.
gold over .000050 [0.00127] min. nickel
in mating area, remainder of contact
gold flash over .000015 [0.00038] min.
nickel

Plating E—.000030 [0.00076] min.
gold in mating area, with entire contact
underplated .000050 [0.00127] min.
nickel

Plating F—.000015 [0.00038] min.
gold in mating area, with entire contact
underplated .000050 [0.00127] min.
nickel



Wire Range AWG/mm ²	Insulation Range		Contact Part Numbers		Contact Finish	Applicator for AMP-O-ELECTRIC Machine*	Hand Tool
	Single Wire	Double Wire	Loose Piece	Strip Form			
26-22 0.12-0.4	.050-.064 1.27-1.63	—	583990-3	583204-2	B	466366-2	90028-3
			—	343371-1	D		
22-18 0.3-0.9	.055-.080 1.40-2.03	.120 3.05 Max.	—	583361-2	A	466367-2	90017-3 (1 #22-20) 90028-3 (2 #22) 90101-3 (1 #20)
			583989-3	583361-3	B		
			583989-4	583361-4	C		
			—	583555-4	E		
			—	583555-6	F		
16 1.25-1.40	.108 2.74 Max.	.080-.160 2.03-4.06	583991-3	60151-6	B	466368-2	90031-8 (2 #18) 90101-3 (2 #20) 90031-9 (1 #16)

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

Notes: 1. Shorting contacts are available, consult AMP.

2. Contacts and housings to accommodate .093 [2.36] thick PC boards can be made available, consult AMP.

Related Product Data:

Performance Specifications—
page 133

Connector Housings—
pages 136-138

Application Tooling—
pages 165, 166

Technical Documents

(pages 172, 173):

AMP Product Specifications
108-9013, 108-9043

AMP Application Specification
114-9003

AMP Instruction Sheets
408-6591, 408-7045, 408-7622,
408-7623, 408-7624, 408-7625,
408-7626

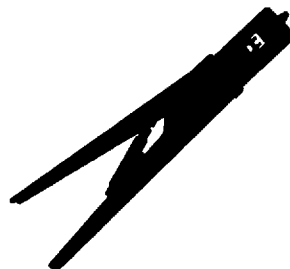
AMP Crimp Inspection Sheet
CI 8050-33

Dummy Contact

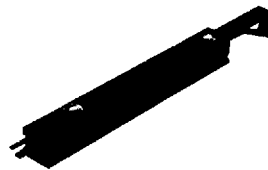
Material:

Phosphor bronze

Hand Crimping Tool



Contact Extraction Tool



Extraction Tool Number	Used with Housings
465195-1	480110-2, -5
	480142-2, -3
	582140-5
	582147-5
	582264-2
	582500-2
	582963-2
	583167-3
	583280-1
	583617-1
	583680-1
	583685-1
	583722-1
	583723-1
	583724-1
583725-1	
583726-1	
465195-2	480133-2



Plain Finish—
Part No. 66084-1
Tin Finish—
Part No. 66084-2
Gold Finish—
Part No. 66084-3

Technical Documents

(pages 172, 173):

AMP Instruction Sheet 408-7037