

### Performance Data, Contacts and Application Tooling

#### Performance Data

**Voltage Rating:** 600V max.  
**Current Rating:** \*see note  
1 & 2 position — 12A max.  
6 position — 9A max.  
12 position — 8A max.  
**Operating Temperature:**  
-30~+105°C

**Insulation Resistance:**  
100MΩ min. (500V DC)  
**Dielectric Withstanding Voltage:** 2,200V AC  
**Wire Range:**  
AWG #26-16 (0.12~1.42mm<sup>2</sup>)

**Wire Insulation Diameter:**  
3.4mm max. for two leads  
**Contact Retention Force:**  
4kg max.  
**Product specification:** 108-5302  
**Application specification:** 114-5142  
**Instruction Sheet:** IS-503J

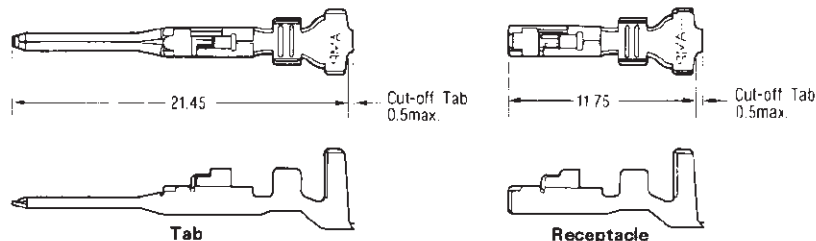
#### Contacts

##### Material & Finish:

Pre-tinned brass or tin-plated  
high conductivity copper alloy

Tab — For Cap Housing  
Receptacle — For Plug  
Housing

\*Note: For current rating on  
high conductivity copper alloy  
contact, consult Product  
Specification 108-5302.



Wire Range		Wire Insulation Diameter	Part Number of Contact				Part No. of Hand Tool
AWG	mm <sup>2</sup>		Tab		Receptacle		
			Strip Form	Loose Piece	Strip Form	Loose Piece	
26-22	0.12~0.35	1.2~2.00	175149-□	175153-□	175151-□	175155-□	914181 1
20-16	0.50~1.42	2.0~3.30	175150-□	175154-□	175152-□	175156-□	
		2.9~4.00	—	—	175152-3	—	

Part No. of Extraction Tool: 913923-1 (IS-494J). Use 913923-4 for special specifications of more than 3.5mm in insulation height.

There are two suffix numbers, -1 and -2, to go in □ of P/N. -1 stands for tin-plated high conductivity copper alloy and -2 tin-plated brass. P/N 175152-3 is made of tin-plated brass and is used exclusively for termination of power cable using SCIM (see page application tooling).

#### Safety Standards

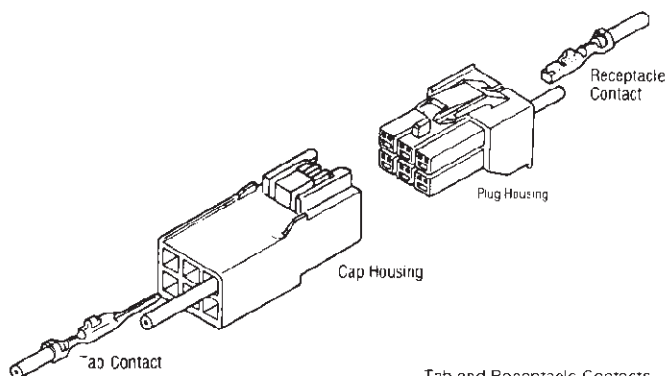
AMP Universal Power Connectors are approved on specific part numbers under the safety standards listed below. For confirmation of approval, contact our Sales Department by indicating the part number(s) in question. Please note that there are instances where these standards differ from AMP's performance specifications.

■ **Recognized by UL.**  
UL File No. E28476  
Voltage Rating: 600V  
Temperature Rating: 130°C

■ **Certified by CSA**  
CSA Report No. LR7189  
Voltage Rating: 600V max.  
Current Rating: 12A max.

■ **TÜV License**  
No. R9051079 (VDE0627)  
Voltage Rating: 380V AC/450V DC  
Current Rating: Refer to Product Specification  
Temperature Rating:  
-20 ~ +105°C

### AMP Universal Power Connector consists of the following components:



Tab and Receptacle Contacts  
Free-Hanging Type Cap Housing  
Panel-Mount Type Cap Housing  
Plug Housing  
Board-Mount Post Header  
(The drawing above shows the composition of a typical free-hanging connector)