

D E S C R I P T I O NPRODUCT COVERED:

Component Receptacles for Attachment Plugs; Type "AMP - Barrel Terminal", Cat. Nos. 552699, 552770, 552967 and 553015 with Prefix or Suffix Numbers 0 to 9 inclusive.

GENERAL:

* These devices are for solder connection to printed wiring boards. They are provided with insulation piercing post for conductor termination. The basic catalog numbers may have Prefixes or Suffixes 0 to 9 inclusive, denoting nonelectrical variations such as loose piece, strip, standard reeling, reverse reeling, etc.

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

Use - For use only with products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

CONDITIONS OF ACCEPTABILITY:

1. Placement of these devices within the appliance enclosure should be such that spacings between the live parts and the appliance are suitable for the particular application.
2. The electrical and mechanical contact between the barrel terminal and the printed wiring board is to be judged.
3. The current carried by each barrel terminal shall be judged under the requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.
4. The manufacturer recommends the following maximum ampacity ratings for the respective copper wire sizes.

S.P.
T.D'A.

Cat. No. 552699

<u>Wire Range (AWG)</u>	<u>Current Rating (A)</u>
No. 18	7.5
No. 19	6.5
No. 20	6.0
No. 22	5.0
No. 24	4.0
No. 26	2.5
No. 28	1.5

Cat. No. 552770

No. 18	10.0
No. 19	7.0
No. 20	6.0
No. 22	5.0
No. 24	4.0

Cat. No. 552967

No. 22	5.0
No. 24	4.0
No. 26	2.5
No. 28	1.5

Cat. No. 553015

No. 26	2.5
No. 28	1.5

S.P.
T.D'A.

5. Each Cat. No. 552699, 552967 and 553015 barrel terminal can accept up to two copper conductors (see Item 4) of the same size and geometry (i.e., two No. 22 AWG stranded; 1/32 in thick insulation). Cat. No. 552770 is for use with one copper conductor only.

6. The barrel terminals are for use on printed circuit boards, min 1/16 in by 3/32 in max thick.

7. Conductor terminations shall be made with assembly tools covered in Ills. 1, 2, and 4.

8. These devices were investigated for reuseability at the ratings specified, by conditioning (10 operations of insertion and removal of wires) followed by a Temperature Test).

S.P.
T.D'A.