

File E28476

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and Report

D E S C R I P T I O N

PRODUCT COVERED:

Component Receptacles - AMP Japan 2.36 mm dia Pin Receptacle Series.

Cat. Nos. 171156-1, 171156-6, 171157-1, 171158-1, 171159-1, 171159-3, 171160-1, 171165-1, 171165-3, 170073-2, 170073-5, 170073-6, 170073-7, 172792-1, 172792-2, 171111-1, 171108-1, 171108-3, 171108-5, 170906-1, 170906-3, 170906-5, 171361-1, 171361-2, 171195-1, 171195-2, 171195-3, 171722-1, 171722-2, 170220-1, 171722, 171722-1, 171722-2, 170073, 170073-2, 170073-5, 170073-6, 170073-7, 170220, 170220-1, 172792, 172792-1, 172792-2, 85015, 85015-1, 85015-2, 85015-3, 85015-4, 85015-5, 85015-6

GENERAL:

These devices are multipole connectors employing contacts of the solder and crimp termination type for use with printed circuit boards.

These devices are for factory assembly on No. 18 AWG through 24 AWG solid or stranded wire.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. These devices should be used only where they will not interrupt the current.
2. These devices have not been tested for current-carrying capability.
3. The suitability of the mounting means shall be determined in the end use.
4. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use. These devices have not been evaluated for Conductor Secureness testing.
5. The placement of these devices within the equipment enclosure should be such that spacings between the live parts and the equipment are suitable for the particular application.
6. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end use. Dielectric testing has not been performed.
7. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use equipment.
8. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.
9. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a max temperature of 95°C.
10. The factory assembled contacts have been investigated for the following wire ranges and maximum tensile forces.

<u>Part No.</u>	<u>Wire Range (AWG)</u>	<u>Tensile Force (lb)</u>
170220-1	20 - 24	8 lb
170073-2	24	8 lb
172792-1	22	8 lb
172792-2	18	20 lb