

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

* Component - AMP-BLADE™ Wire to Board Connector System; Model(s) 582152, 531580, 531583, 582308, 582390, 531590, 531592, 531916, 531917, 582151, 582307, 582389, 582819 and 582828 to 582838 may have prefix and/or suffix 0 - to -9 inclusive.

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

General - Cat. Nos. 582152, 531580, 531583, 582308 and 582390 are plug bodies preloaded with blade type contacts. These bodies are for panel mounting on printed wiring boards and mate with receptacle bodies in this report.

Cat. Nos. 531590, 531592, 531916, 531917, 582151, 582307, 582389, 582819, and 582828 to 582838 inclusive, are receptacle bodies suitable for crimp, wire wrap, solder, or weld contacts. These bodies are for wire terminations, and they mate with bodies used for board mounting.

Cat. Nos. 582261, 582652, 66005, 66009, 66021, 66027 and 66086 (with prefix and/or suffix numbers) are wire termination contacts.

All catalog numbers (basic 6 digit cat. nos.) may have prefix and/or suffix -0 to -9 inclusive.

Cat. Nos. 531580, -83, -90, -92, 531916, -7, 582152 not shown are similar to devices illustrated in Fig. 1 except plastic bodies are molded of Recognized Component (QMFZ2), Valox 780 manufactured by General Electric. For details refer to Ills. 3, 3a, 4, 4a, 5, 5a, 6, 6a, 7, 8, 9, 9a, -b, -c, -d.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following list of conditions should be met with particular consideration given to the specific contact and pin part numbers used.

1. These devices should be used only when they will not interrupt the current.
2. The current carried by each pole shall be judged under requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.
3. The temperature in the phenolic housings should not exceed 150°C, and the temperature in the diallyl phthalate housings should not exceed 125°C. The temperature on the Valox 780 should not exceed 130°C.

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4. The adjacent poles may carry currents at potentials not exceeding 250 V between any two circuits.

5. 600 V may be placed on any two nonadjacent poles if the intervening poles are omitted to increase the total spacing between the live parts of opposite polarity to 1/8 in min.

6. The electrical and mechanical contact between the plug and the printed wiring board is to be judged.

Shipment in Parts - The plug pins, plug housings, receptacle contacts, and receptacle housing may be shipped unassembled for factory assembly. The pins and contacts are manufactured in continuous strips wound on reels. The reels are marked with part number and company name. The plug housing shipping cartons and the receptacle housing shipping cartons are marked with AMP, and their respective catalog numbers and the following phrase, For Use With Contact Numbers (5 digit number or numbers illustrated in catalog under contacts), or For Use With AMP-BLADE Contacts.