

D E S C R I P T I O N

PRODUCT COVERED:

Component Connectors, Series Innergy WTB (Wire-to-Board).

GENERAL:

These devices are multi-pole connectors employing contacts of the printed circuit board solder termination type.

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.

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.
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 adjacent poles may be used at potentials not exceeding 600 V based on the spacings requirements of Par. 11.1 of UL 1977. 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 factory-assembled crimp contacts have been investigated for the following wire ranges and maximum tensile forces:

<u>Cat. No.</u>	<u>Wire Range (AWG)</u>	<u>Tensile Force (lbs)</u>
556880	10-12	20
556883	14-18	20

9. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.

10. 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 110°C.

H.W.
J.T.

CONSTRUCTION DETAILS:

Refer to the following photos and descriptive indices for construction details.

Spacings - Min of 3/64 in for devices rated 250 V or less, min of 1/8 in for devices rated greater than 250 V provided through air over surface between live metal parts of opposite polarity and between live parts and exposed dead metal parts.

* Markings - See Sec. Gen.

Insulating Materials - The following Recognized Component Plastic Materials (QMFZ2) are employed in these devices.

<u>Manufacturer</u>	<u>Material Designation</u>	<u>Max Degrees C Temperature</u>
*Solvay	Amodel AF-4133X VO	
*Sabic	Lexan 920A	120
*Sabic	Valox 357M	120
*Ticona	Fortron 1140L4	200
Solvay Advanced Polymers	Amodel AFA-6133 V0(+) () (Virgin to 50% regrind)	130

Index to Illustrations - The following is a breakdown of cat. nos. covered by this Report. They can be found in the Illustrations noted below.

<u>Cat. No.</u>	<u>Description</u>	<u>Ill. No.</u>
556879	Housing	1
556880	Contact	2
556881	Housing	3
556882	Housing	4
556878	Contact	5
558084	Housing	5A
558574	Housing	5B