

File E28476
Project 88ME2700

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REPORT

on

* COMPONENT - **CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER
APPLICATIONS**

* **Tyco Electronics Corp.**
Harrisburg, PA

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11. The factory assembled crimp contacts have been investigated for the following wire range and pullout forces.

Part No.	Wire Range (AWG)	Pull Force (lbs)
770834-1	26	7.5 average
770834-1	30	3.9 average
770902-1	22	8
770902-1	26	7.7 average
770904-1	18	20
770904-1	22	8
794407	16	20
794407	20	8

12. These devices may be provided with a silicon rubber seal at the connector housing interface and at the wire entry openings as shown in Ills. 77 - 79 respectively. The suitability of these seals shall be an end-product consideration.

13. The suitability of any flanges and seals used shall be an end product consideration.

14. Raw Material #703570 is used only for the housings of Cat. Nos. 770170, 770174 and 770178.

15. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Part Nos.	AWG	Current, A	Maximum Temperature °C
770582 and 770973 employing contact 794407	16	5	39.9
770582 and 770973 employing contact 794407	20	2	31.4
1586746-2 header with 0.97 in. diameter soldering pins mated to Cat. No. 770587-1	16	10	95.3

16. Dielectric-Voltage-Withstand testing has been conducted between adjacent poles on Part Nos. 770582 and 770973 employing contact 794407 at a potential of 2121 V dc based on a 250V rating.