

File E60677
Project 06ME02296

March 15, 2006

REPORT

on

COMPONENT - TERMINAL BLOCKS

Tyco Electronics Corporation
Harrisburg, PA

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DESCRIPTION

PRODUCT COVERED:

Component Terminal Block, D 1900 Dynamic Series, Cat. No. 1-1871940-6, 1-1871940-4, 2-1871940-9, 2-1871940-5 and 2-1871940-1 Header, Cat. No. 2-1871935-9 and 2-1871935-1, 1-1871935-6, 1-1871935-4, 2-**1871935-5**.

Application -

Commercial appliances (such as business and EDP equipment, etc.)

Terminal Type -

	TOP	BOTTOM
Terminal Block Cat. Nos. 1-1871940-6, 1-1871940-4, 2-1871940-9, 2-1871940-1, 2-1871940-5	Spring Force Connection	Female receptacle contacts
Terminal Block Header Cat. Nos. 1-1871935-6, 1-1871935-4, 2-1871935-9, 2-1871935-1, 2- 1871935-5	Male plug-in blades	Solder pin terminals

Type Wiring -

Terminal Block Cat. Nos. 1-1871940-6, 1-1871940-4, 2-1871940-9, 2-1871940-1, 2-1871940-5 - Spring Force Connections are suitable for factory and field wiring.

Terminal Block Header Cat. Nos. 1-1871935-6, 1-1871935-4, 2-1871935-9, 2-1871935-1, 2-**1871935-5** - Solder pin terminals are suitable for factory wiring only

RATINGS:

Cat. No.	Wire Range, AWG, Cu, Sol/Str	Max Volts	Max Amperes
2-1871940-9, 2-1871940-1, 1-1871940-6, 1-1871940-4, 2-1871940-5	24-18	150	4
2-1871935-9, 2-1871935-1, 1-1871935-6, 1-1871935-4, 2- 1871935-5	N/A	150	4

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

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

Conditions of Acceptability -

1. The mounting suitability shall be determined in the end-use equipment.
2. The spring force terminals comply with field wiring requirements in UL 486E Standard for Equipment Wiring Terminals, Third Edition.
3. The terminals have been investigated for use with copper conductors only.
4. The receptacle contacts and header blades have not been investigated for circuit interruption (make and break under load).
5. The soldering post terminations are to be factory wired only. The suitability of the solder connections shall be determined in the end use equipment.
6. The insulating bodies are molded of polymeric materials, as specified in the following tabulation. The use of these materials shall be judged in the end use application.

* **Tyco Electronics RM#** Base Material
Temperature Rating, °C
704654

* 130