

E66717

Project 11ME05249

June 21, 1983

REPORT

on

COMPONENT - Electrical Quick-connect Terminals

TYCO ELECTRONICS CORP

HARRISBURG , PA

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## DESCRIPTION

## PRODUCT COVERED:

USR Component - Quick-Connect Steel and Copper alloy Tabs - Series 110, 187, 205, 250, 157727-1, 157727-2, 521948-1, 521948-2, 1217539, 1217566, 1217056, 1-1217056, 1217861, 1217956-1, 1742803-1, 63755, 63823, 63824, **2348072-1**, 63900 and 63986.

USR, CNR Component - Non Standard Size Quick-Connect Copper Alloy Tabs - Cat. No. 1217634, 1742686-1, 63951-1, -2, -3, 4, -5, -8, 1742646-1.

USR, CNR Component - Quick-Connect Copper alloy Tabs - Cat. Nos. 1742638-1, 1742702-3, 1742014-1, 1742428-1, 63756-1, 2238187-1, 63951-3, 1217754-2, 1217126-2 and 1742303-2.

## GENERAL CHARACTER AND USE:

The products covered are steel and copper alloy quick-connect tabs intended for factory assembly in electrical equipment.

Series/Cat. No.	Male Tab - Size
110	.110 by .020
	.110 by .032
187	.187 by .020
	.187 by .032
1742646-1	.187 by .032
205	.205 by .020
	.205 by .032
250	.250 by .032
1742638-1	.250 by .032
1217634	.130 by .070
157727-1, -2,	Two - .250 by .032
521948-1, -2	with one - .187 by .032
63823	.187 by 0.032
63824	.250 by 0.032
<b>2348072-1</b>	<b>.250 by 0.032</b>
63900	.250 by 0.032
63986	.250 by 0.032
1217861	.250 by 0.032
2238187-1	.110 by 0.020
63951-3	.250 by 0.032
1217754-2	.250 by 0.032
1217126-2	.250 by 0.032
1742303-2	.250 by 0.032

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

These devices are for use in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following items are to be judged with respect to specific applications in their end use.

1. These devices are not to be used for current interruption or grounding purposes.
2. These devices are for use where strain relief is provided as part of the equipment.
3. These devices are for internal wiring only in electrical equipment.
4. The steel tabs covered by this report are for use only in equipment where steel is acceptable for current carrying parts.

5. The suitability of the mounting means of the non-crimp tabs (Ills. 2-20, 64, 65, 66, 70, 71, 72, 73) shall be evaluated in the end-use.
6. Cat. Nos. 1742702-3, 1742014-1, 1742428-1, 63756-1, 170030-1, -2, -4, 170051-1, -2, -3, 170088-1, -2 (Ill. 22) and Cat. No. 1217634 (Ill. 39), 1742361-1 (Ill. 56), 1742362-1 (Ill. 57) and 1742646-1 (Ill. 65), tabs shown in Ills. 21, 39 are nonstandard size tabs, intended for use within an appliance or equipment where such construction is permitted by the end product standard and is performance tested with a specific mating connector.
7. Cat. No. 63953-1 (.187 TAB) utilizes a strain relief feature for the wire conductor. Suitability of the strain relief feature shall be determined in end use.
8. These devices have not been evaluated for current carrying capability. The suitability of the electrical characteristics of these devices shall be determined in the end use application.
9. The suitability of the wire termination to the wire binding screw of Series 250 and 187, Cat. Nos. 157727-1, -2 (Ill. 59) and 521948-1, -2 (Ill. 60) shall be determined in the end use application.
10. All quick-connect copper alloy tabs covered by this report may be constructed with copper alloy C260 or C274.
11. **Cat. Nos. 63951-3, 1217754-2, 1217126-2 and 1742303-2 are intended to be mounted to a printed wiring board. The connection shall be investigated in the end product.**