PDL 4P PLUG 3.96 D/R(GWT) RED

1. INTRODUCTION

1.1 Purpose

Testing was performed on PDL 4P PLUG 3.96 D/R(GWT) RED to determine its conformance to the customer requirements.

1.2 Scope

This report covers the Glow Wire End Products Test performance of PDL 4P PLUG 3.96 D/R(GWT) RED. Testing was performed at the Shanghai Electrical Components Test Laboratory on Mar.30 2016. The associated test number is TP-16-00902.

1.3 Conclusion

Based on the test results, all samples meet the requirement according to IEC 60335-1, 2013.

1.4 Test Specimens

Specimens with the following part numbers were used for test:

Test request No.	Housing P/N	Position	Qty	Part Rev.	Part Description	Date Code	Material
TP-16-00902	1-368575-2	4 pos	12 pcs	A	PDL 4P PLUG 3.96 D/R(GWT) RED	15122N	1573789-1 + 1573790-2

1.5 Test Sequence

Test Item	Test Group (a)
	1
	Test Sequence(b)
Visual Examination	1
Glow Wire End Product 750℃ Test	2
Sample Size	Total 12 pcs

Note: a). Test group defined per customer requirement.
b). Numbers indicate sequence in which tests are performed.

1.6 Environmental Conditions

Unless otherwise stated, the following environmental conditions prevailed during testing:

Temperature: 15℃ to 35℃
Relative Humidity: 25% to 75%

| Indicates Change

2. TEST PROCEDUES

2.1. Visual examination
All specimens were visually examined for evidence of physical damage detrimental to product performance (visually inspected under a stereomicroscope, at a 10x magnification, with suitable illumination).
Test method: IEC 60512-1-1, Test 1a.

2.2. Glow Wire End Product Test
Thermal stabilization of specimens: 24 h at (15-35) ℃ and (45-75) %RH.
Test condition: The extremity of the wire is positioned horizontally and brought into contact with the sample with a force between 0.95±0.1N for a period of 30s. Test temperature: 750℃, Time of Glow tip application Ta : 30s
Requirements: No flame or Te-Ti≤2s.
Test Method: IEC 60335-1, 2013 and IEC 60695-2-11, 2014.

3. SUMMARY OF TESTING

3.1. Initial Examination of Product
All specimens were visually examined and no evidence of physical damage detrimental to product performance was observed.

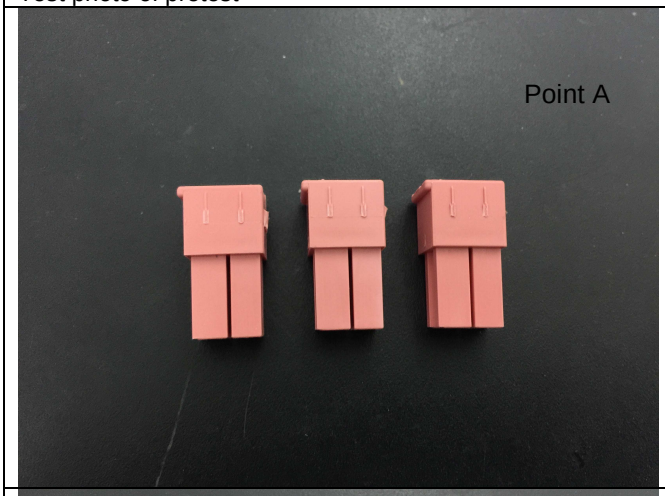
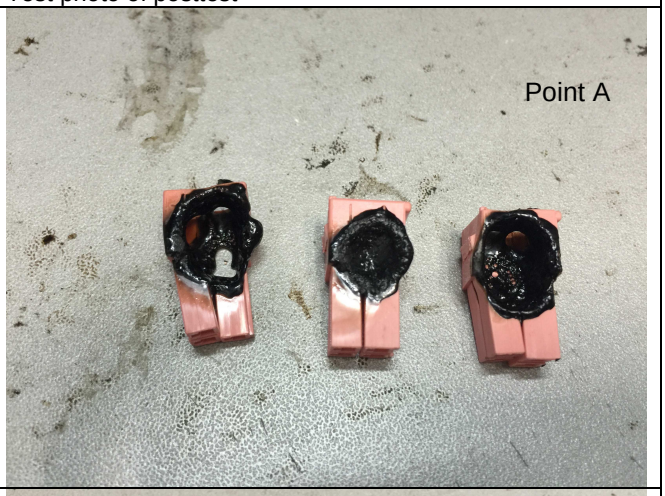
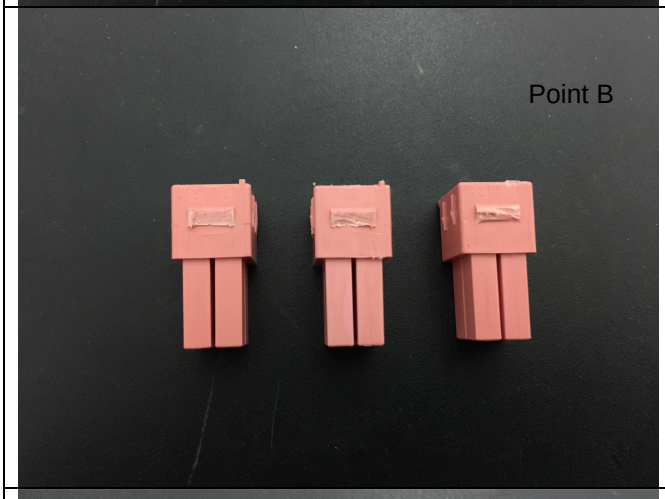
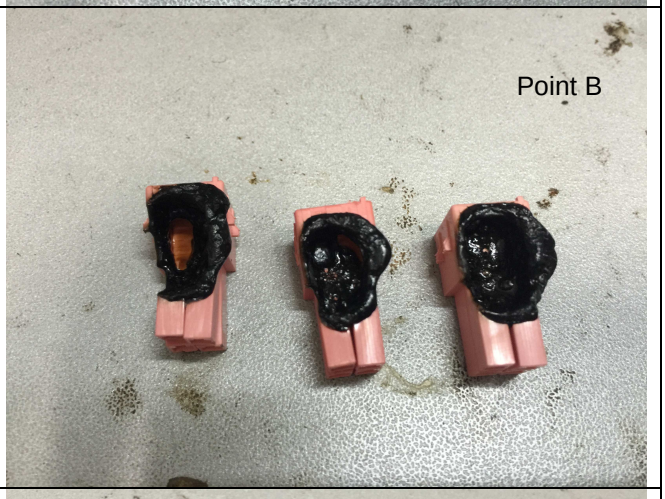
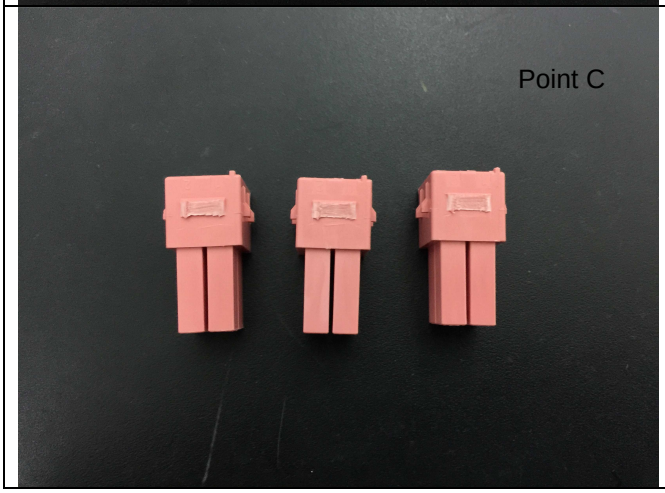
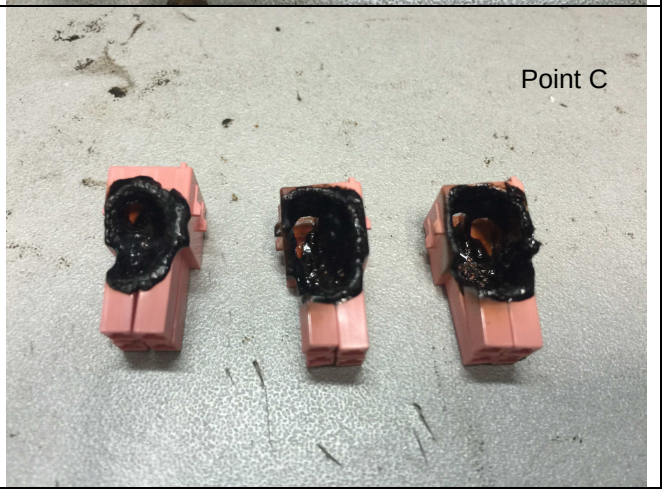
3.2. Glow Wire End Product Test
Glow wire end product test results see Table 1.

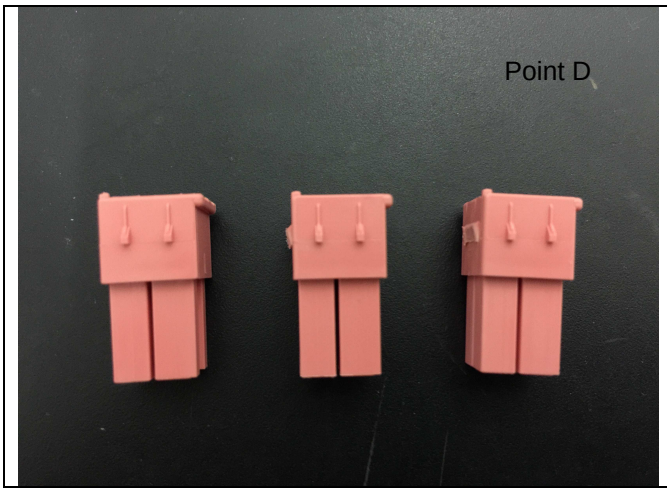
Table 1

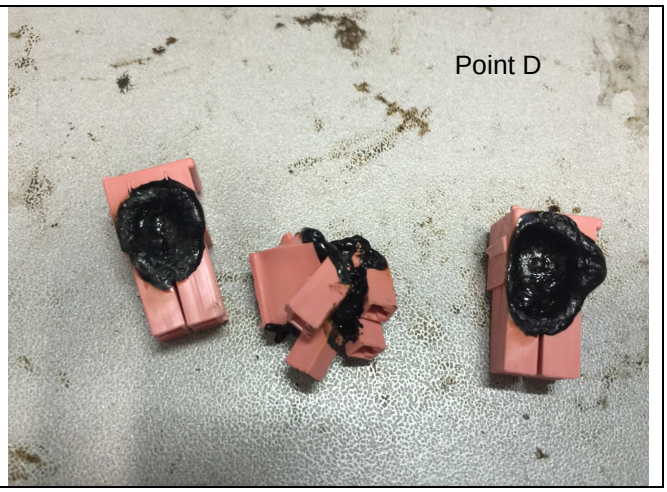
Test Samples	QTY	Condition	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (mm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
PDL 4P PLUG 3.96 D/R (GWT) RED (1-368575-2)	12pcs	Initial (GWEPT 750℃)	A1	0	0	0	no	no	Meet spec
			A2	0	0	0	no	no	Meet spec
			A3	0	0	0	no	no	Meet spec
			B1	0	0	0	no	no	Meet spec
			B2	0	0	0	no	no	Meet spec
			B3	0	0	0	no	no	Meet spec
			C1	0	0	0	no	no	Meet spec
			C2	0	0	0	no	no	Meet spec
			C3	0	0	0	no	no	Meet spec
			D1	0	0	0	no	no	Meet spec
			D2	0	0	0	no	no	Meet spec
			D3	0	0	0	no	no	Meet spec

Sample Pictures:

1-368575-2 PDL 4P PLUG 3.96 D/R(GWT) RED

Description of pre-test: Normal	Description of post-test: Damage
Test photo of pretest	Test photo of posttest
	
	
	





4. CALIBRATION

4.1 Calibration Statement

All equipment containing a calibration number is calibrated and traceable through TE Connectivity (TE).

No.	Test Item	Equipment Code	Equipment Application	Calibration Effective Period	Serial No.
1	Examination of Product	/	Visual observation	/	/
2	Glow Wire End Product Test	GW-V	Glow Wire Tester	2016-04-14	E-00118

5. VALIDATION

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