
Test Report Of PDL Plug and Cap Housing

1. INTRODUCTION

Test was performed on PDL plug and cap housing. The purpose of this test is to evaluate the performance of PDL plug and cap housing. Test was performed at the TE Shanghai Electrical Components Test Laboratory on MAR24, 2016. The test file number for this testing is TP-16-00841. Testing was performed on below products to determine them can meet no flame or $Te-Ti \leq 2s$ at $750^{\circ}C$ per IEC60335-1 standards.

2. SPECIMENS

We got the samples from sample room.

Description	P/N	Part Revision
PDL plug housing 4p	5-316501-1	A
PDL cap housing 4p	5-316502-1	A
PDL plug housing 6p	368576-6	A
PDL cap housing 6p	368588-6	A

3. TEST CONDITIONS

Unless otherwise specified, all the test shall be performed in any combination of the following test conditions.

Condition	The extremity of the wire is positioned horizontally and brought into contact with the sample with a force between 0.85 and 1.05N for a period of 30s. Test temperature: $750^{\circ}C$, time of Glow tip application $Ta:30s$
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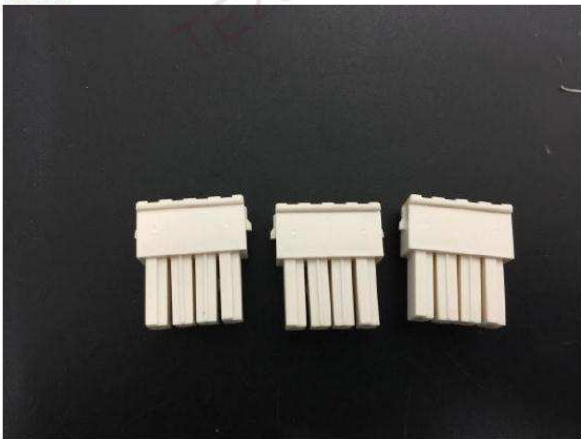
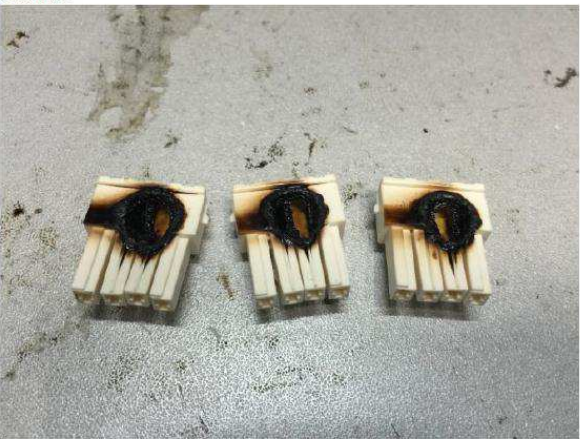
4. TEST Group

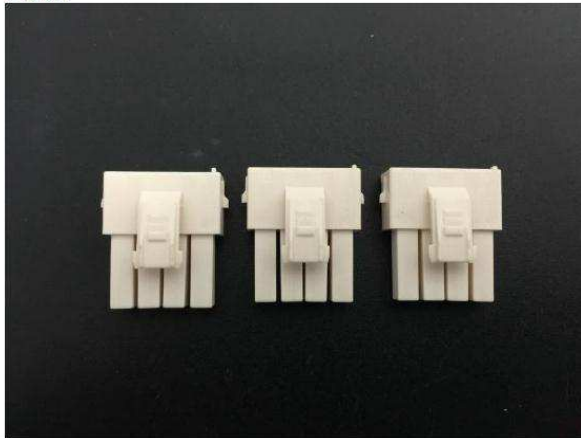

Follow below testing, we have finished 4 parts.

Test Flow Description:

1. Specimens were preconditioned under the condition of $25^{\circ}C/50\%RH$ for 24h.
2. Execute visual check before test, and take picture.
3. Fix the sample to the tester. Edit the test procedure according to test standard and run glow wire test chamber.
4. Execute visual check before test, and take picture after test.
5. Test condition: The extremity of the wire is positioned horizontally and brought into contact with the sample with a force between 0.85 and 1.05N for a period of 30s.

5. TEST RESULT

Description of pre-test: Normal	Description of post-test: Damage
Test photo of pretest	Test photo of posttest
<p>Point A</p> 	<p>Point A</p> 

<p>Point B</p> 	<p>Point B</p> 
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Part no.	Test Item	QTY	Condition	Test Result						
	Examination		6	Initial	No physical damage occurred.					
5-316501-1	Glow Wire End Product Test(750°C)	6	Final	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec

Part no.	Test Item	QTY	Condition	Test Result						
	Examination			6	Initial	No physical damage occurred.				
5-316502-1	Glow Wire End Product Test(750°C)	6	Final	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec

Part no.	Test Item	QTY	Condition	Test Result						
	Examination			6	Initial	No physical damage occurred.				
368576-6	Glow Wire End Product Test(750°C)	6	Final	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec

Part no.	Test Item	QTY	Condition	Test Result						
	Examination			6	Initial	No physical damage occurred.				
368588-6	Glow Wire End Product Test(750°C)	6	Final	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				A	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec
				B	0	0	0	no	no	Meet spec

6. Conclusion

The four parts all could meet no flame or $Te - Ti \leq 2s$ at 750°C per IEC60335-1 standards.