



PDL LCP PRODUCTS

1. INTRODUCTION

1.1 Purpose

This is to check the contact resistance to see the impact of the discolorations on the contact.

1.2 Scope

This report covers the Electrical performance of the PDL LCP PRODUCTS; Testing was performed at TE Connectivity Shanghai Electrical Test Laboratory (Building ID 554) between 2023-02-13 – 2023-02-14. The associated test number is TP-23-03004

1.3 Conclusion

The items listed in Clause 1.5 conformed to performance requirements of criteria described in Clause 3, without exceptions. The testing results are only responsible for the specimens tested.

1.4 Test Specimens

Specimens with the following part numbers were used for test:

Test Group	Part No.	Description	Qty. (pcs)
1	N/A	MCKS RECP ASSY, 25 POSITION, NICKEL	1
1	3-1534796-3	AMP DUOPLUG MK2 CONNECTOR 3P	1



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1.5 Test Sequence

Test Item	Test Group																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Test Sequence																			
Examination of Product	1, 3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Contact Resistance	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

- Note: a). Test group defined per customer requirement.
 b). Numbers indicate sequence in which tests are performed.
 c). "/" indicates no Test Sequence.

1.6 Environmental Conditions

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

Temperature: 15°C to 35°C
 Relative Humidity: 25% to 75%

2. TEST PROCEDURES

No.	Test Item	Requirement	Procedure
2.1	Examination of Product	No physical damage or corrosive influence.	Visually inspected appearance, and function of specimens pursuant to the applicable inspection plan.
2.2	Contact Resistance	NA	The contact resistance shall be measured with the current of 100 mA. The open circuit test voltage shall be at least 50 Mv.



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3. SUMMARY OF TEST

Group	SN	Description	Test Item	Qty(pcs)	Test Result	Requirement	Conclusion
1	1	3-1534796-3	Examination of Product	9	No physical damage or corrosive influence.	No physical damage or corrosive influence.	Meet Spec
1	2	3-1534796-3	Contact Resistance	9	Max.=6.84; Min.=4.38; Avg.=5.45; Unit=mΩ	NA	Judge by customer
1	3	3-1534796-3	Examination of Product	9	No physical damage or corrosive influence.	No physical damage or corrosive influence.	Meet Spec

4. VALIDATION

Requested by:

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2023-02-10

TE Connectivity Product Engineering

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2023-02-14

TE Connectivity Shanghai Electrical Components Test Lab.

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2023-02-14

Test Manager

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