

K18X001 RMA RJ45 Cable issue



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I. Description Issue

Material description & visual inspection

Sample 1 : 371.01056.005 Vendor : FIT
Description : CABLE RJ45 ASSY
Qty : 1pcs
Issue: PIN 6 open.



NG Sample 1

Sample 2 : 371.01056.005 Vendor : FIT
Description : CABLE RJ45 ASSY
Qty : 1pcs
Issue: PIN 11 open.

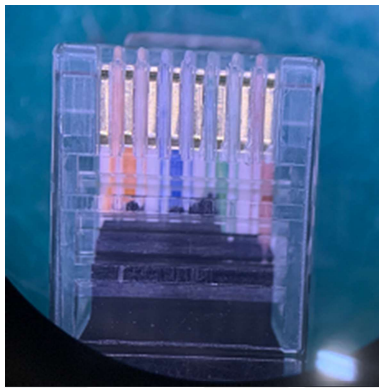


NG Sample 2

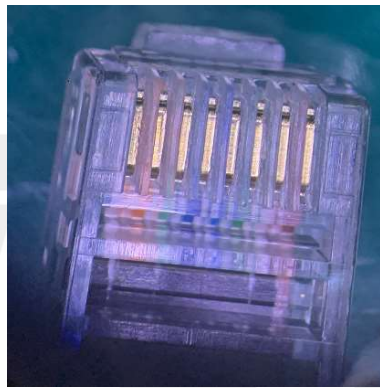
Summary: Check visual on the surface of cable → **No abnormal found.**

II. Material Visual Checks

1. Material visual check with microscope



NG Sample 1



NG Sample 2

Summary: Visual check cable head by microscope no found any abnormal.

Material Visual Checks

2. Material X-Ray check



NG Sample 1

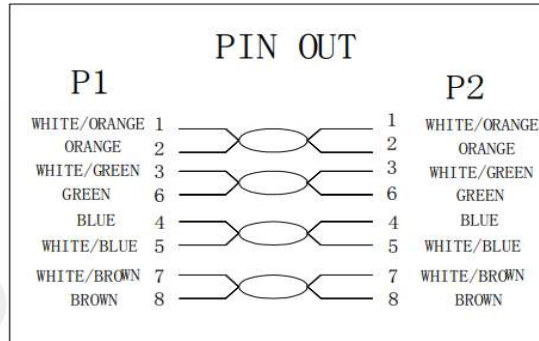


NG Sample 2

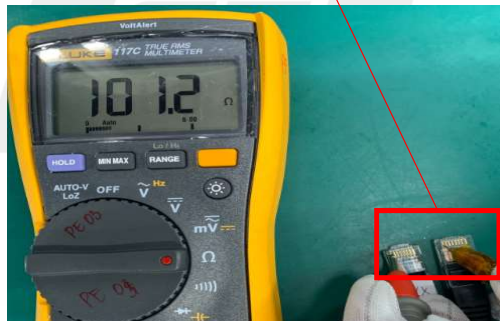
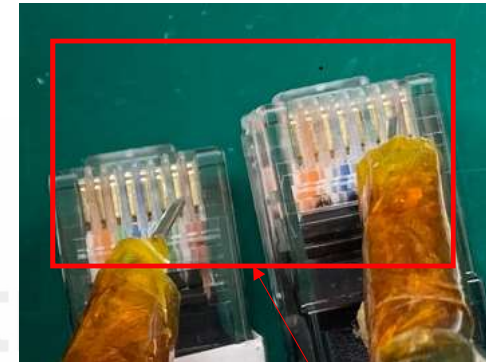
Summary: X-Ray check cable head by microscope no found any abnormal.

III. Material Function Checks

1. Use multimeter to check RJ45 cable pin to pin connect resistance



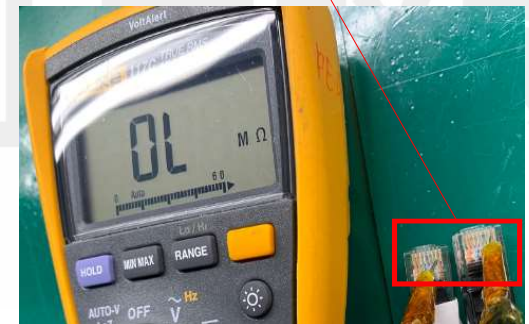
PIN OUT Diagram



NG Sample 1
Abnormal at PIN 1



Normal value
0.3 Ω



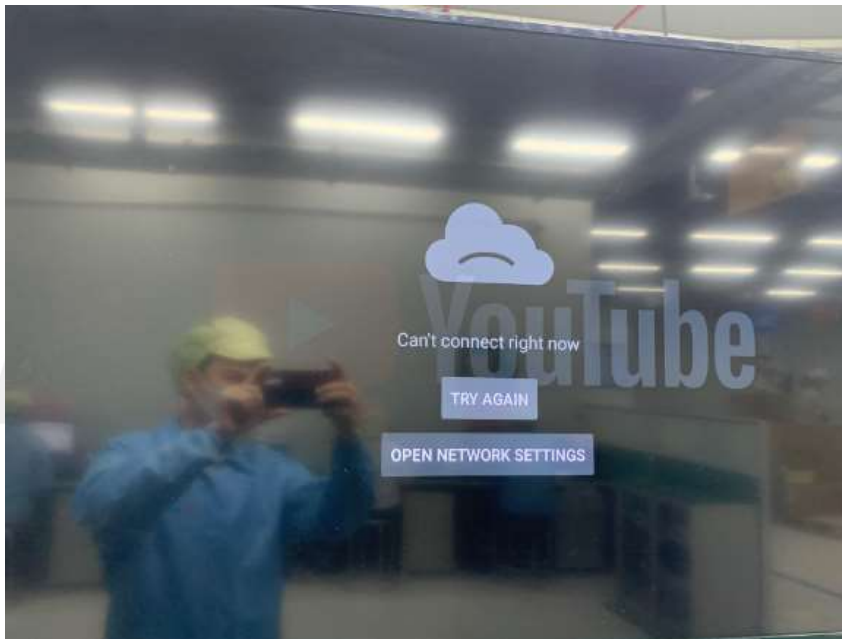
NG Sample 2
OPEN PIN 7

Summary: PIN 1-1 (NG Sample 1) & PIN 7-7(NG Sample 2) abnormal.

III. Material Function Checks

2.Check Internet Transmission

Use NG sample to connect K18X001 product with internet modem to verify internet transmission.



No.	Internet Transmission	
	NG Sample 1	NG Sample 2
1	OK	NG
2	NG	NG
3	NG	NG
4	NG	NG
5	NG	NG

Summary: - NG Sample 1: internet transmission unstable operation.
 - NG Sample 2: Cannot connect internet.

IV. Conclusion

1. As analysis above we realize that RJ45 have issue.
2. SQE feedback and send material issue to FIT vendor further analysis.



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