# R213UCE-L01
# Engineering Change Reliability Report

| Judgment | Approve | Prepared |
|---|---|---|
| INNOLUX CORPORATION PASS Tainan Design Verification | INNOLUX CORPORATION QM-DQA 王成一 | INNOLUX CORPORATION QM-DQA 郭桐旗 |

| Model： | R213UCE-L01 | Reporter： | Tungchi Kuo | Date： | 2023/03/21 | Test Area： | RA lab |
|---|---|---|---|---|---|---|---|
| TEST Procedure： | DCC: 13QM100295 | | | | | | |

## I. Purpose：

The reliability test for R213UCE-L01 Data IC, Tcon-IC, P-Gamma IC, Reflector change

## II. Change Item：

| The Previous Source | The New Source |
|---|---|
| Data IC: NT39986H-XXXXXX | Data IC: EK77XXXX |
| Tcon IC : IN2812A-XX | Tcon IC :MSTXXXXX |
| P-Gamma IC :Himax | P-Gamma IC :GMT |
| Reflector: E6DY-XXX | Reflector: DJX-XXXX |

## III. Judge Criteria：

| Item | Criteria |
|---|---|
| Function | No function fail and no extra line defect etc. |
| Cosmetic | Cosmetic must be in spec. |

## IV. Test Result：

| Test Item | Test Condition | Test Quantity | Judge Item | Result | Remark |
|---|---|---|---|---|---|
| High Temperature, High Humidity Operation | 50℃/80%RH, 240hrs | 3 pcs | Function/ Cosmetic | OK | |
| High Temperature Operation (HTO) | 50℃ , 240hours | 3 pcs | Function/ Cosmetic | OK | |
| Thermal Shock Test (TST) | -20℃/30min , 60℃ / 30min , 100 cycles | 3 pcs | Function/ Cosmetic | OK | |
| ESD-Air mode Discharg | 150pf，330Ω，±15KV | 3 pcs | Function | OK | |
| ESD-Contact Mode Discharge | 150pf，330Ω，±8KV | 3 pcs | Function | OK | |

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|---|---|---|---|---|---|
| Vibration Test (Non-operation) | Acceleration: 1.5 G<br>Wave: sine<br>Frequency: 10 - 300 Hz<br>Sweep: 30 Minutes each Axis (X, Y, Z) | 3 pcs | Function/ Cosmetic | OK | |

V. **Conclusion： PASS**

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