



RITY10R1

Reliability Prediction Report

(MTBF)

MTBF Number : EMTBF- RITY10R1
Release Date : 2015/06/02

Initiated by	Jeffery Chen	Job Title	Senior Engineer	Originate Date	2015/06/02
Approved by	Simon Lin	Job Title	Manager	Revision	QD4-069 Rev.A2

Reliability Prediction(MTBF)

I. Model Name : RITY10R1

Description :

- Freescale i.MX6 Cortex-A9 Dual lite/Quad 1GHz CPU, 4~8GB eMMC , Up to 1GB or 2GB DDR3 SDRAM, Dual Display (LVDS + VGA(Quad core only) or LVDS+HDMI), Optional Dual GLAN, Support Cash Drawer (12V/24V), Support 2x RS232/422/485, 2x USB, I2C RTC Intersil ISL1208IB8Z, ,3 x COM , Input +12~24V

II. Predication Date : 2015/06/02

III. Prediction Site : Avalue Technology Software – DQV Dept.

IV. Predicted by : Jeffery Chen

V. Simulation Environment :

– Temperature : 30°C

– Standard : Telcordia Issue 2

VI. Prediction Result :

– Failure Rate : See next pages

– MTBF : See next pages

**System Tree
Summary**

File Name: RITY10R1.rfp
System: RITY10R10C0101A0R
Ref Des:
Description:

Failure Rate: 80.514474
MTBF (hrs): 12,420
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
RITY10R1	RITY10R10C0101 A0R		1	80.514474	12,420
ACP-IMX6POS	E9697IMX603R		1	3.247808	307,900
10.1" CHIMEI LCD N101BGE- L21 1366X768	E96892X3139R		1	66.666667	15,000
RITY102 PCT touch (W) with cam	E968XRIT202R		1	0.600000	1,666,667
FSP060-DBAE1 12V/5A 60W	E1757206015R		1	10.000000	100,000