



RITY15R

Reliability Prediction Report

(MTBF)

MTBF Number : EMTBF- RITY15R
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 : RITY15R

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, I2C RTC Intersil ISL1208IB8Z, USB Touch Controller Penmount6000, 4 x USB2.0 ,4 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

Assembly Name	Part Number	Model	Method	Environment	Mission Time	Qty	Failure Rate	MTBF
RITY15R	RITY15R1-AAA A0A1R	Telcordia issue2	Method 1 Case 3	GF,GU-Ground Fixed	8760 hrs	1	34.959710 Fits	28,604 Hrs

System Tree Summary

File Name: RITY15R1.rfp
System: RITY15R1-AAAA0A1R
Ref Des:
Description:

Failure Rate: 34.959710
MTBF (hrs): 28,604
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
RITY15R	RITY15R1-AAAA0A1R		1	34.959710	28,604
ACP-IMX6POS	E9697IMX603R		1	3.247808	307,900
15" XGA TFT LED Panel CMI G150XGE-L04 C4	E96892x3128R		1	20.000000	50,000
RITY150 5W touch	E968XRIT511R		1	1.654424	604,440
FSP060-DBAE1 12V/5A 60W	E1757206015R		1	10.000000	100,000
USB 2 port Board	E9697005301R		1	0.057479	17,397,737