Product Validation Report

Product Name : USE1205A-1A-IRD / USE1205A-1A-IRDC

Model Name : USE1205A-1A-IRD / USE1205A-1A-IRDC

Product Stage : PP

Product No. : 1A2X12005401805 / 1A3000110101801

Revision : A

Prepared By : Jack Lu Date : 2023/02/23

Approved By : Roy Lin Date : 2023/02/23

Index & Content			
Part	**Test Item**	**Descriptions**	**Result**
Reliability	Power On/Off Test	To check that there is no part breakage, deterioration or variation of characteristics, or other abnormalities when the power supply is turned on/off as assumed to occur during product usage.	PASS

Product Front View (USE1205A-1A-IRD)



Product I/O Interface (USE1205A-1A-IRD)



Product Front View (USE1205A-1A-IRDC)



Product I/O Interface (USE1205A-1A-IRDC)



Power On/Off Test

Test Engineer	Jack Lu	Date	2023/2/22~2023/2/23	Stage	Result
				PP	PASS

Test Propose

To check that there is no part breakage, deterioration or variation of characteristics, or other abnormalities when the power supply is turned on/off as assumed to occur during product usage.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel (R) Core ™ i3-4160 CPU @ 3.60GHz		
Graphics Card	Intel® HD Graphics 4400		
O.S.	Windows 7 64bit		
Evaluation Equipment	Power On/Off Test Fixture	GE Healthcare Equipment	N/A

Description of Changes

Describe the changes and comments

IRDC Add Second Source List :

Element	Old Part No	Pcs	Location	New Part No
3CE47025M2C	CA (47U,25V,M,KY,5*11,DIP)	6	C112,C305,C308,C314, C402,C708	3CE47025M39, CA (47U,25V,M,YXJ,5*11,RUBYCON)
3CE10125MYX	CA (100U,25V,M,KY,6.3*11,NCC)	2	C830,C836	3CE10135M39 , CA (100U,35V,M,YXJ,6.3*11,Rubycon)
3FF02400130	DVI (24PIN,1241-040-154-3N,TEKCON)	1	CN201	3FF02400150, DVI (24PIN,CID72N1-030-R,TACT)
3ZOS125031Y	OSC (125MHz,SMD,SiT8102AI-12-33E,SiTme)	1	U506	3ZOS125032Y , OSC (125MHz,SMD,SiT8009BI-12-33N,SiTm
3LFB0000215	FERRITE BEAD (RH3.5*4.5*0.76*2,RTF5)	2	L101,L701	3LFB000501X , FERRITE BEAD (K5B RH 3.5x4.5x0.8-D-T,KC)

IRD Add Second Source List :

Element	Old Part No	Pcs	Location	New Part No
3A8C248943Y	IC (CY8C24894-24LTXA,SMD,CYPRESS)	1		3A8C248942Y, IC (CY8C24894-24LTXI,SMD,CYPRESS)

Evaluation Unit Level

F/W Version	USE1205_IRDC_USB_Device_1810730R0V01
Main Board (IRDC)	2AAD376R038
Main Board (IRD)	2AAD375R138
Serial Number	DTX07240179

Test Standard

Power On/Off Test Specification

Criteria

No breakage or obvious performance deterioration shall be found during or after the test.

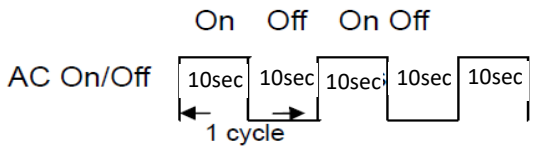
Power On/Off Test

Test Procedure	Result	Note
1. Connect the test machine to the switch box and set AC voltage 110V/60Hz.	Pass	
2. Confirm set the power on/off test tool , boot for 1 min, shut down for 1 min.	Pass	
3. After the test, check I/O light status and GE device trackball movement function.	Pass	

Test Condition

Applied Voltage	110V/60Hz	Resolution	1024x768/60Hz(DVI)	Sample Condition	Operation Normal
Test Pattern	General Pattern	Test Duration	24 hours	Power On/Off Cycle	Power On 10 sec / Off 10sec
Power On/Off Test Cycle	Carry out this at the voltage rated in the applicable specification, for 3,000 times for each.				

Power On/Off Test Process



Function Check		Before Test	After Test	Note
USE1205A-1A-IRDC I/O Status LED Check	Check IRDC USB Status LED (USB Steady Green LED)	Pass	Pass	
	Check IRDC Link Status LED (Link Steady Green LED	Pass	Pass	
	Check IRDC DVI Status LED (DVI-D Steady Green LED)	Pass	Pass	
	Check IRDC Power Status LED (Power Steady Green LED)	Pass	Pass	
USE1205A-1A-IRD Status Check	Check the Screen Not Flicker	Pass	Pass	
	Check the Screen Not Noise	Pass	Pass	
	Check the Screen Not Shutdown	Pass	Pass	
	Check the Screen Not Other Abnormal	Pass	Pass	
GE MRI Check (IRD+IRDC)	Check Use 2 trackballs check if function works correctly	Pass	Pass	
Power Management	Check Power AC On/Off 10 times and Operation Normal	Pass	Pass	
	Check Power Saving On/Off 10 times and Operation Normal	Pass	Pass	

PHOTO OF TEST		
Before Test		Note
USE1205A-1A-IRD	USE1205A-1A-IRDC	
		
Test Condition	After Test	Note
		
Function Check		Note
USE1205A-1A-IRD	USE1205A-1A-IRDC	
		