

### • Appendix

Avalue P/N	E175810301AR (Current)	E175810301PH (Replacement)	
MFR	RAYOVAC	murata	
MPN	BR2032-BA	CR2032X	
Material	LiMnO2	LiMnO2	
Nominal Voltage	3V	3V	
Nominal Capacity	195mAh	220mAh	
Impedance	25ohm	20ohm	
Self-discharge rate(Y)	3%	1%	
Discharge Duration Load:15Kohm cut off:2V	20°C About 1100h	23°C±3°C 1020h	
Topr	-40/+85	-40/+85	
Photo	LITHIUN + SV BR2032 USA	CR2032X mail Rata svolts lithium made in Japan +	

Avalue P/N	E175810301GR (Current)	E175810301QR (Replacement)
Battery	RAYOVAC/BR2032-BA	muRata/CR2032X
Material	LiMnO2	LiMnO2
Nominal Voltage	3V	3V
Nominal Capacity	195mAh	220mAh
Impedance	25ohm	20ohm
Self-discharge rate(Y)	3%	1%
Discharge Duration	20°C	23°C±3°C
Load:15Kohm cut off:2V	About 1100h	1020h
Topr	-40/+85	-40/+85
Cable Length	170mm	170mm
Photo		

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# **VMS-CFS**

# **Coin Battery Verification Report**

Old Part : E175810301AR Battery 3V/195mAh 20mm RAYOVAC New Part : E175810301PH / E175810301QR

Initiated by	Max Chen	Job Title	Supervisor	Originate Date	2019/10/14
Reviewed by	Simon Lin	Job Title	Senior Manager	Revision	QQ4-037 Rev.A8
Approved by	Simon Lin	Job Title	Senior Manager	Release Status	Preliminary Formal Release

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# **Temperature Cycle Test**

Test Engineer	Max Chen Date	2019/10/12	Result	Pass
Model	VMS-CFS			
Description				
PCB version	A1			
BIOS version	VSCF00H.BIN + EC-07.BIN			
СРИ Туре	Intel® Core™ i7-8700T Processor (12M Cache, up to 4.00 GHz)			
Memory type and size	Kingston DDR4 2400 16GB x 2			
Backplane	N/A			
Power supply	FSP FSP120-AHAN3 12V / 10A 120W A	dapter		
HDD Model/Spec	N/A			
CD-ROM Model/Spec	N/A			

#### Temperature Cycle Test

 Test Standard :
 Reference IEC60068-2-14 Testing procedures

 Test Nb : Change of temperature test

 Test Condition :
 1 Test Temperature : High temperature 85°C RH50% / Low temperature -40°C for board level

 2 Test dwell Time : 1 hours
 3 Temperature slope : heating 2 hour, cooling 2 hour

 4 Test cycle : 5 cycles

85°C Humi Temp. 25°C -40°C Time Hrs 0.5H 1H 2H 1H 2H

#### Test equipment : Programmable temperature & humidity chamber

5 Test environment curve

use chamber		V		
Model:	THS-D4T-100	THS-D4T-150	THS-D4T-150+LN2	KSON THS-A4T-100
Date of calibration :	2019/3/27	2019/6/21	2019/6/21	2019/1/26

 Performance criteria :
 1 All system functions must be checked with appropriate testing programs and should pass the inspection.

 2 There should be no abnormalities, which couldn't affect the product specified functions and performances.

 3 All products should not have degradation in its performance.

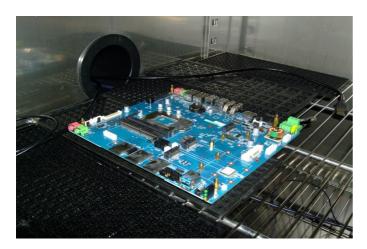
 Test result :
 There is no damage in electronic and mechanical functions.

 Degradation has no been found.
 Performance is maintained with no incurable physical damage or degradation.

# **Evalue**

Function Check :	I/O Function	Result
	RTC Timer	Pass

#### Test picture :





## After check RTC Time

Aptio Setup Main Advanced Chipset	<b>Utility – Copyright (C) 2019 Ameri</b> Security Boot Save & Exit
BIDS Information BIDS Vendor Core Version Compliancy Project Version Build Date and Time Access Level EC 8528 Firmware BIDS Name	American Megatrends 5.13 UEFI 2.7; PI 1.6 1AUOK 0.41 x64 05/23/2019 17:28:25 Administrator 07 VSCFS00H
System Language ▶ Intel RC Version	
System Date System Time	[Mon 10/14/2019] [09:48:51]

