Thank you for giving UL the opportunity to partner with you.
Please note, Follow-Up Procedure Revisions or Report Revisions do not include Authorization Pages, Indices, Section General, and/or Appendices unless revisions were required or requested.

Should you have any questions, after reviewing the material, or need to report any inaccuracies, please reach out to your UL representative or find UL contact details for your local Customer Service Department at https://www.ul.com/about/locations.

Please find attached the related material on Project

For your convenience, the below describes the related updates:

E158873-A6294-DescriptionUL
Figure-38-Total

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Times change, Trust Remains™

UL TEST REPORT AND PROCEDURE

Standard:	UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements)
Certification Type:	Listing
CCN:	AZOT, AZOT7 (Audio/video, Information and Communication Technology Equipment)
Complementary CCN:	N/A
Product:	VMS(Video Management Software) Appliance
Model:	BRR-P6410A4E, BRR-P3210A4E, BRR-X6410A4E, BRR-X3210A4E
Rating:	AC 100-240 V~, 50/60 Hz, 2.8 A (For models, BRR-P6410A4E and BRR-P3210A4E), AC 100-240 V~, 50/60 Hz, 2.2 A (For models, BRR-X6410A4E and BRR-X3210A4E)
Applicant Name and Address:	HANWHA VISION CO LTD 6, PANGYO-RO 319BEON-GIL, BUNDANG-GU SEONGNAM-SI GYEONGGI-DO 13488 KOREA

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

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Prepared By: Sohyun Lee / Project Handler Reviewed By: Mansoo Huh / Reviewer

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Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

A. Authorization - The Authorization page may include additional Factory Identification Code markings.

B. Generic Inspection Instructions -

i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.

ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.

iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

VMS(Video Management Software) Appliance. This unit consists of R/C (QQJQ2/8) power supply, DC Fan * 6 ea, Main board, Max. hard disk-drives (optional) * 16 ea and numerous components mounted on PWB.

It is equipment and for use in locations where it is unlikely that children will be present.

Rack-mounted installation of this equipment must be performed exclusively by personnel authorized.

Model Differences

BRR-P6410A4E is basic model.

BRR-P3210A4E is identical to the basic model except for camera channel and model designation.

BRR-X6410A4E is identical to the basic model except for CPU, AI card board, ratings and model designation.

BRR-X3210A4E is identical to the basic model except for camera channel, CPU, AI card board, ratings and model designation.

Test Item Particulars

Product group .....:	end product
Classification of use by .....:	Ordinary person
Supply Connection .....:	AC Mains
Supply tolerance .....:	+10%/-10%
Supply connection – type .....:	pluggable equipment type A - appliance coupler
Considered current rating of protective device ....:	20 A; Location: building
Equipment mobility .....:	movable stationary
Over voltage category (OVC) .....:	OVC II
Class of equipment .....:	Class I
Special installation location .....:	N/A
Pollution degree (PD) .....:	PD 2
Manufacturer's specified Tma (°C) .....:	40
IP protection class .....:	IPX0

Power systems.....: TN
Altitude during operation (m) .....: 5000 m
Altitude of test laboratory (m).....: 2000 m or less
Mass of equipment (kg).....: Max. 25.2 kg (with HDD 16 EA)

Technical Considerations

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 40 °C
- The product is intended for use on the following power systems : TN
- Considered current rating of protective device as part of the building installation (A) : 20
- Mains supply tolerance (%) or absolute mains supply : +10%/-10%
- The equipment disconnect device is considered to be : Appliance inlet
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS) : Secondary output ports
- The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual

Additional Information

4792147730
- Testing of VMS(Video Management Software) Appliance, Model: BRR-P6410A4E, BRR-P3210A4E, BRR-X6410A4E, BRR-X3210A4E were not considered necessary based upon previous evaluation under CB Scheme. The CB Scheme Test Certificate Ref. No. DK-178991-UL dated 2026-04-14 and Report Ref. No. C26IA022-M0A0 dated 2026-03-23 were prepared by UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK.

Additional Standards

The product fulfills the requirements of: N/A

Markings and Instructions

Clause Title	Marking or Instruction Details
Equipment identification marking – Manufacturer identification	Listee's Company's name, Trade Name, File Number
Equipment identification marking – model identification	Model Number
Equipment rating marking – ratings	Input Ratings (voltage, frequency, current)
Symbols - On/Off switch	Switches to be marked with | symbol for "ON" (IEC 60417-5007) and ○ symbol for "OFF" (IEC 60417-5008)

Class I equipment -Terminal for main protective earthing	Provided adjacent to the main protective earthing terminal  (IEC 60417-5019)
Equipment for use in location where children are not likely to be present	“This equipment is not suitable for use in locations where children are likely to be present” (Instruction) or equivalent “Cet équipement ne convient pas à une utilisation dans des lieux pouvant accueillir des enfants” (Instruction) ou équivalent
Safety Instructions - Rack Mount	"Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions: A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer. B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised. C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading. D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern. E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."
Hard Copy	A. IMPORTANT B. Please check 'Manuals' from out website, before connecting to the supply. C. Company website URL (https://www.~~) or QR code.

SCC requirement	If the signal words DANGER, WARNING, and CAUTION are included, a French manual is provided.
Special Instructions to UL Representative N/A	

BD1.0	TABLE: Production-Line Testing Requirements					
BD1.1	**Electric Strength Test Special Constructions – Refer to Generic Inspection Instructions, Part AC for further information.**					
Model	Component	Removable parts	Test probe location	Test V rms	Test V dc	Test Time, s
N/A	N/A	N/A	N/A	N/A	N/A	N/A
BD1.2	**Earthing Continuity Test Exemptions – This test is not required for the following models:**					
	N/A					
BD1.3	**Electric Strength Test Exemptions – This test is not required for the following models:**					
	N/A					
BD1.4	**Electric Strength Test Component Exemptions – The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test.**					
	N/A					

BE1.0	Sample and Test Specifics for Follow-Up Tests at UL				
Model	Component	Material	Test	Sample (s)	Test Specifics
N/A	N/A	N/A	N/A	N/A	N/A

4.1.2	TABLE: List of critical components					Pass
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Product Category CCN(s)	Mark(s) of conformity	Supplement ID
Power supply (SMPS)	DELTA ELECTRONICS INC	DPS-500AB-68 XX (X=0-9, A-Z or blank) (Type: DPS-500AB-68 B)	Input: 100-240 V~, 8-4 A, 50-60 Hz, Output: +3.3 Vdc, 24 A, +5 Vdc, 20 A, +12 Vdc, 41.7 A, -12 Vdc, 0.5 A, +5 VSB, 3 A, +3.3 Vdc and +5 Vdc combined max. power 120 W, Max. output power 500 W	QQJQ2/ QQJQ8	UL (E131881)	
Power cord set	Interchangeable	Interchangeable	Detachable, Min. 1.5 m, Max. 2.4 m long, rated 125 V, 10 A, 18/3 AWG, 60 deg. C, SVT type flexible cord. One end with NEMA 5-15P the other end with appliance coupler.	ELBZ/ELBZ7	UL	
Power cord set - Alternate	Interchangeable	Interchangeable	Detachable, Min. 1.5 m, Max. 2.4 m long, rated 125 V, 7 A, 18/3 AWG, 105 deg. C, SVT type flexible cord. One end with NEMA 1-15 the other end with appliance coupler.	ELBZ/ELBZ7	UL	
Enclosure - Top (Metal) (Fire / Mech / Elec)	Interchangeable	Interchangeable	SECC, Min. 1.0 mm thickness, See enclosure for more dimension.	-	Tested in equipment	
Enclosure - Bottom, Front (Metal) (Fire / Mech / Elec)	Interchangeable	Interchangeable	SECC, Min. 1.2 mm thickness, See enclosure for more dimension.	-	Tested in equipment	

Enclosure - Rear (Metal) (Fire / Mech / Elec)	Interchangeable	Interchangeable	SECC, Min. 1.0 mm thickness, See enclosure for more dimension.	-	Tested in equipment	
Enclosure - Front Cover (Plastic) (Mech)	LOTTE CHEMICAL CORPORATION	HN-1068(f1)	Min. 2.5 mm thickness, rated Min. V-0, 130 deg. C	QMFZ2	UL (E115797)	
USB Protection IC (U20, U21, U30, U33)	Texas Instruments Incorporated	TPS2552DDBVR	Rated 2.5-6.5 Vdc, 1.5 A	QVGS2	UL (E169910)	
Lithium coin battery (CN24)	WUHAN LIXING (TORCH) POWER SOURCE CO LTD	CR2032	Lithium/manganese dioxide (Coin), Max. abnormal charging current: 10 mA, Max. abnormal charging voltage: 5 Vdc	BBCV2	UL (MH26236)	
Reverse current protection circuit for Lithium coin battery (CN24)	Interchangeable	Interchangeable	Diode (D16, Max reverse voltage 30 V, Max reverse current 1.0 A) and resistor (R268, 1.0 kohm) in series.	-	Tested in equipment	
DC Fan (near Mainboard CPU)	COOLER MASTER CO LTD	FA09025H12(L)(P)B(j) (Type: FA09025H12BPB)	Rated voltage: DC 12 V, Rated current: 0.36 A	GPWV2	UL (E319075)	
DC Fan (near Hard disk) * 2 ea	PROTECHNIC ELECTRIC (WUJIANG) CO LTD	MG(a)12012X(e)-(f)25 (Type: MGT12012XR-W25)	Rated voltage: DC 12 V, Rated current: 0.52 A	GPWV2	UL (E522586)	
DC Fan (Rear side) * 2 ea	SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO LTD	MF60251V1-1Q(Y)(Y) (Type: MF60251V1-1Q03U-S99)	Rated voltage: DC 12 V, Rated current: 0.080 A	GPWV2	UL (E77551)	
DC Fan (near AI card board)_Only for models, BRR-	MinebeaMitsumi Inc.	04520GA-12L-XY	Rated voltage: DC 12 V, Rated current: 0.12 A	GPWV2	UL (E89936)	

P6410A4E and BRR-P3210A4E		(Type: 04520GA-12L-AU)				
Heatsink (near Mainboard CPU)	Interchangeable	Interchangeable	Aluminum, Approx. Overall size of Ø89.99 by 25 mm, Min. 0.52 mm thickness, secured on PWB by soldering, See enclosure for more dimension.	-	Tested in equipment	
Heatsink (near Mainboard IC (U1))	Interchangeable	Interchangeable	Aluminum, Approx. Overall size of 40 by 40 by 12.6 mm, Min. 0.8 mm thickness, secured on PWB by soldering, See enclosure for more dimension.	-	Tested in equipment	
Heatsink (near SATA board IC (U20))	Interchangeable	Interchangeable	Aluminum, Approx. Overall size of 21.9 by 27.9 by 25.1 mm, Min. 0.3 mm thickness, secured on PWB by soldering, See enclosure for more dimension.	-	Tested in equipment	
Heatsink (near AI card slot (U1))_Only for models, BRR-P6410A4E and BRR-P3210A4E	Interchangeable	Interchangeable	Aluminum, Approx. Overall size of 58 by 40 by 18 mm, Min. 0.3 mm thickness, secured on PWB by soldering, See enclosure for more dimension.	-	Tested in equipment	
Heatsink (near AI card IC (U20))_ Only for models, BRR-P6410A4E and BRR-P3210A4E	Interchangeable	Interchangeable	Aluminum, Approx. Overall size of 20 by 20 by 10 mm, Min. 1.0 mm thickness, secured on PWB by soldering, See enclosure for more dimension.	-	Tested in equipment	

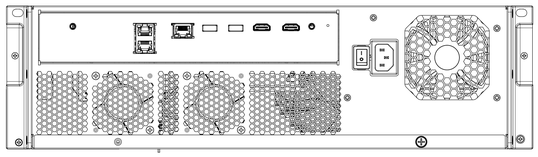
SSD (Optional)	Interchangeable	Interchangeable	3 Vdc	AZOT2	UL	
Hard disk driver (HDD) (Max. 16 EA) (Optional)	Interchangeable	Interchangeable	Rated Max. 12 Vdc	AZOT2	UL	
PWB	HANNSTAR BOARD CORP	MV-4	Min. V-0, 130 deg. C	ZPMV2	UL (E89382)	
PWB - Alternate	EXPRESS ELECTRONICS LTD	14MV0	Min. V-0, 130 deg. C	ZPMV2	UL (E157925)	
PWB - Alternate	KI JOO INDUSTRIAL CO LTD	KJ3-V-0-1	Min. V-0, 130 deg. C	ZPMV2	UL (E111636)	
PWB - Alternate	Interchangeable	Interchangeable	Min. V-0, 130 deg. C	ZPMV2	UL	
Label	Interchangeable	Interchangeable	Suitable for use on each type of surface to which applied, rated for maximum and minimum surface temperature specified, or Min. 40 deg. C if not specified.	PGDQ2 or PGJI2	UL	

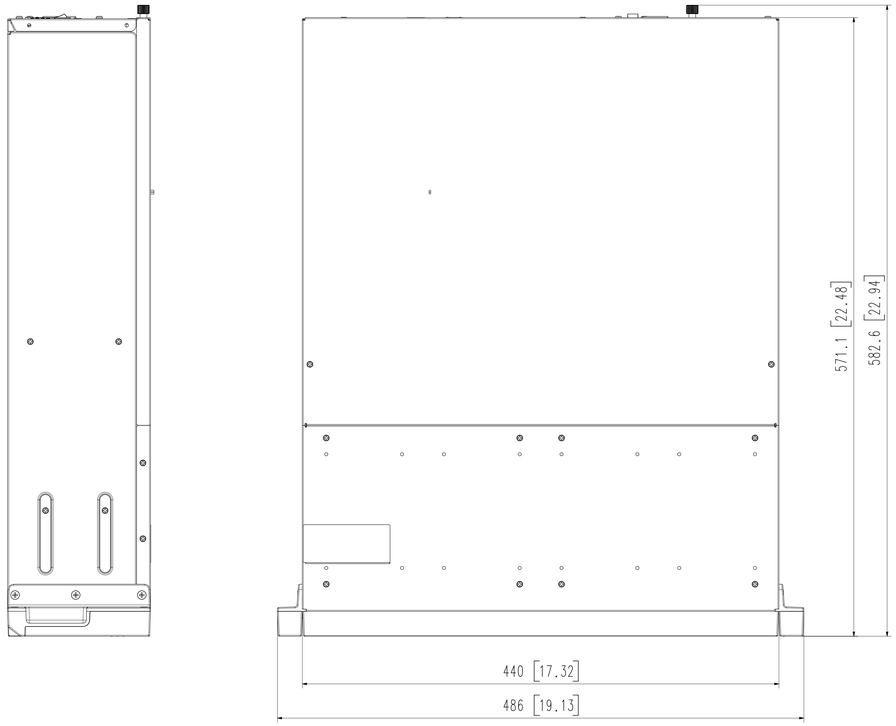
Enclosures

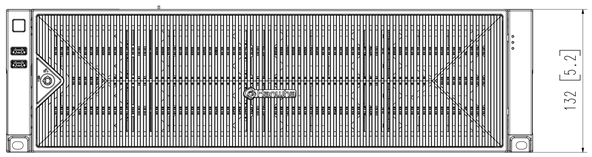
Type	Supplement Id	Description
Photographs	03-01	External view - 1
Photographs	03-02	External view - 2
Photographs	03-03	Front view
Photographs	03-04	Rear view
Photographs	03-08	Internal view (Only for model, BRR-P6410A4E, BRR-P3210A4E)
Photographs	03-10	Internal view (Only for model, BRR-X6410A4E, BRR-X3210A4E)
Photographs	03-11	SMPS external view - 1
Photographs	03-16	SMPS external view - 2
Photographs	03-17	SMPS internal view - 1
Photographs	03-18	SMPS internal view - 2
Photographs	03-19	Mainboard view - 1 (Only for models, BRR-P6410A4E, BRR-P3210A4E)
Photographs	03-20	Mainboard view - 2 (Only for models, BRR-P6410A4E, BRR-P3210A4E)
Photographs	03-21	Mainboard view - 1 (Only for models, BRR-X6410A4E, BRR-X3210A4E)
Photographs	03-22	Mainboard view - 2 (Only for models, BRR-X6410A4E, BRR-X3210A4E)
Photographs	03-23	AI card board view - 1 (Only for models, BRR-P6410A4E, BRR-P3210A4E)
Photographs	03-24	AI card board view - 2 (Only for models, BRR-P6410A4E, BRR-P3210A4E)
Photographs	03-25	SATA board view - 1
Photographs	03-26	SATA board view - 2
Photographs	03-27	Hard-disk board view - 1
Photographs	03-28	Hard-disk board view - 2
Photographs	03-29	TPM module board view - 1
Photographs	03-30	TPM module board view - 2
Photographs	03-31	Front USB board view - 1
Photographs	03-32	Front USB board view - 2
Photographs	03-33	DC Fan (Internal SMPS) view
Photographs	03-34	DC Fan (near mainboard CPU) view
Photographs	03-35	DC Fan (near HDD) view
Photographs	03-36	DC Fan (Rear side) view
Photographs	03-37	DC Fan (near AI card board) view
Diagrams	04-01	Enclosure drawings
Diagrams	04-02	Heatsink drawings (near Mainboard CPU)
Diagrams	04-03	Heatsink drawings (near Mainboard IC (U1))

Diagrams	04-04	Heatsink drawings (near SATA board IC (U20))
Diagrams	04-05	Heatsink drawings (near AI card slot (U1))_Only for models, BRR-P6410A4E and BRR-P3210A4E
Diagrams	04-06	Heatsink drawings (near AI card IC (U20))_ Only for models, BRR-P6410A4E and BRR-P3210A4E
Manuals	06-01	Manual
Miscellaneous	07-02	Label (For models, BRR-P6410A4E and BRR-P3210A4E)
Miscellaneous	07-03	Label (For models, BRR-X6410A4E and BRR-X3210A4E)

The following Page(s) are related to Diagrams-01. The next supplement, if applicable, will be identified with a new Supplement Page Heading.







No.	MODEL NAME	DATE
3		
2	BRR-P3210A4E / X3210A4E	'26.02.26
1	BRR-P6410A4E / X6410A4E	'26.02.26

Unit:mm[inch] | SCALE:1/2 | Hanwha Vision

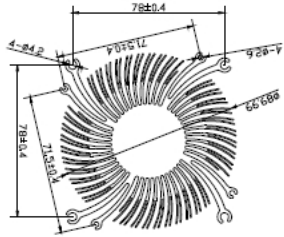
A0

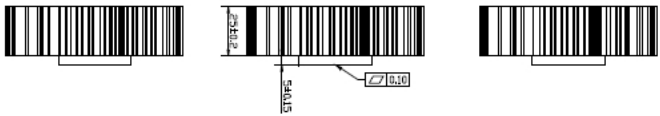
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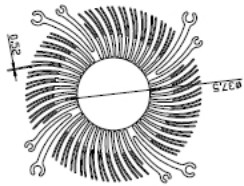
The following Page(s) are related to Diagrams-02. The next supplement, if applicable, will be identified with a new Supplement Page Heading.

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REV	DESCRIPTION	Section	Engineer	Checked	Date







技術要求:
1.材質 : AL 6063-T5,導電率53%以上
2.後處理: 洗白
3.硬度:68~75HV
4.尺寸標示處X為重點檢驗尺寸
5.未標尺寸以電子檔為準
6.外觀按一般QA檢驗規范
7.料件需符合RoHS2.0 2015/863/EU 10項要求
8.理論單重:225g
9.包裝方式依《物料包裝技術要求》,若不能達到請正式提報給采購&工程師,未收到回復視同供方認同此規范要求

DRAWN 周興兵 DATE 20PL1103	TOL ± Range	General tolerance: Don't use the crossed items				
ENGINEER 周興兵 DATE 20PL1103	0 ~ 10	0.1	0.1	0.15	0.2	0.3
CHECKED 周慧華 DATE 20PL1103	10 ~ 30	0.15	0.2	0.25	0.3	0.4
APPROVAL 何望華 DATE 20PL1103	30 ~ 50	0.2	0.3	0.35	0.4	0.6
	50 ~ 100	0.25	0.4	0.4	0.5	0.8
	100 ~	0.3	0.5	0.6	0.8	1.0
	Angles	1°	2°	3°	3°	5°
Scale		Sheet 2/8		mm	Size A4	

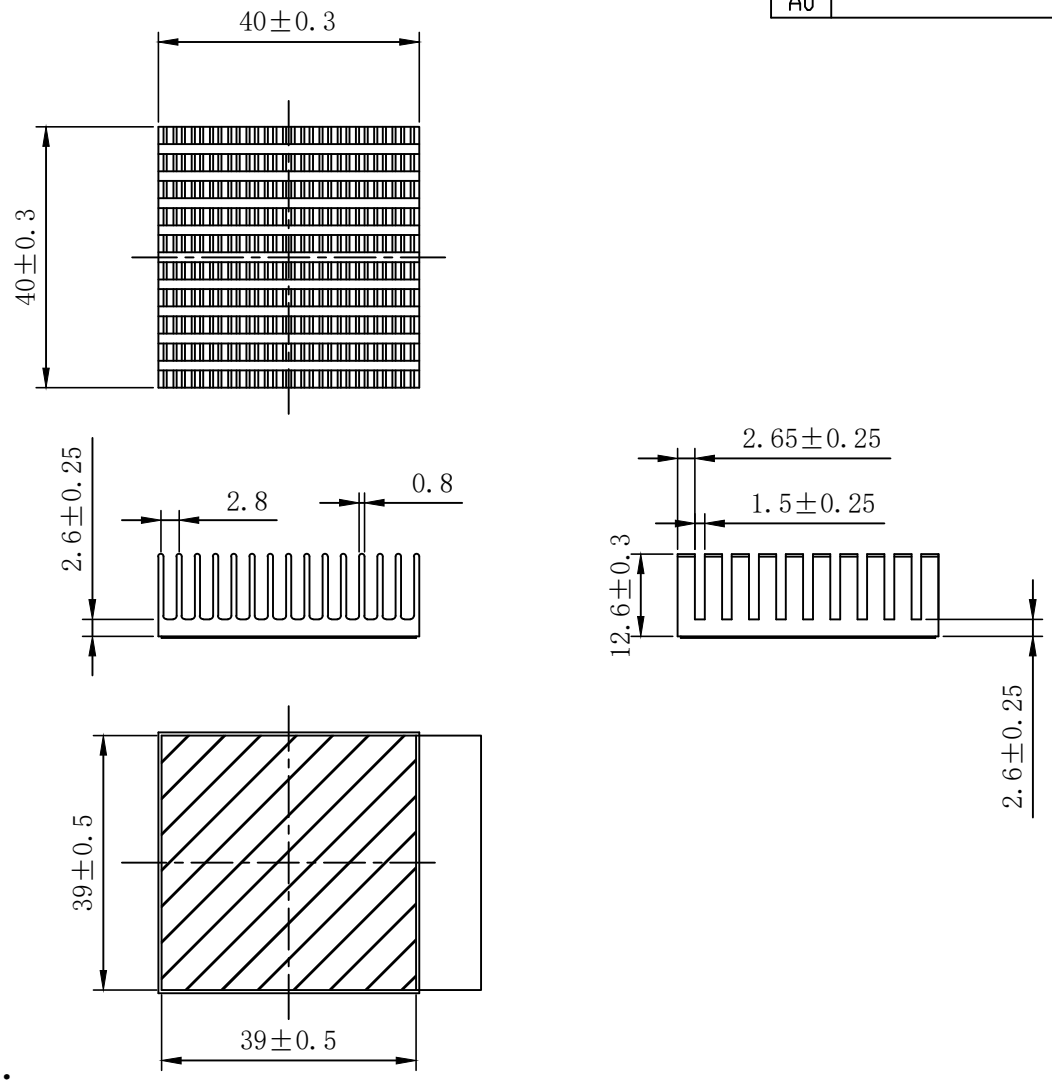
COOLER MASTER CO., LTD.

Part Name: HEATSINK

File Name: 21R2166-H.S-01-A1

The following Page(s) are related to Diagrams-03. The next supplement, if applicable, will be identified with a new Supplement Page Heading.

版本	描述	位置	变更者	审核	日期
A0	新版发行				



技术要求：

1.材质:AL6063-T5

2.表面处理：阳极黑色

3.产品表面不能有压痕、碰伤等

4.标示 ① ~ ⑧ 为重点检验尺寸

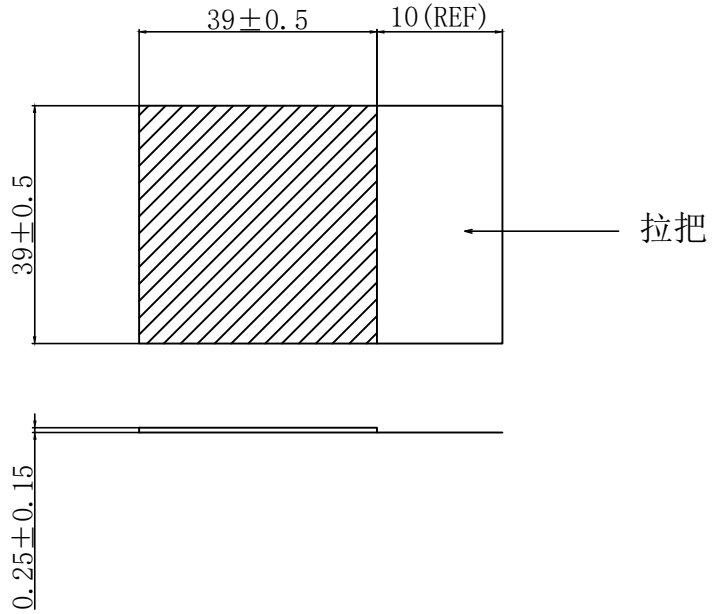
5.产品须符合RoHs2.0要求

6.外观标准B级,未注公差M2

成品图面

材质					SCALE	同裕电子有限公司		
AL6063-T5					1/2	TUNG YU ELECTRONIC CO.,LTD.		
表面处理					SHEET			
阳极黑色					1/1			
选择 DIM. / TOL.±	F	M1	M2	C	UNIT	名称		
0-6	0.05	0.10	0.20	0.25	mm	散热片		
>6-30	0.10	0.20	0.30	0.50	SIZE	料号	客户代码	客户料号
>30-120	0.15	0.30	0.50	0.80	A4	101023130沿用		
>120-400	0.20	0.50	0.80	1.20		制图	审核	核准
>400-1000	0.30	0.80	1.20	2.00		JUN 20201218		
>1000~	0.50	1.20	2.00	3.00				
角度	0.50°	1.00°	1.20°	1.50°				

版本	描述	位置	变更者	审核	日期
A0	新版发行				



技术要求：

1.材质:3M9473

3.表面不可有刮碰伤,破损，脏污，气泡及未切断等不良

4.标示 ① ~ ⑩ 为重点检验尺寸

5.产品须符合RoHs2.0要求

6.外观标准B级,未注公差M2

配件图面

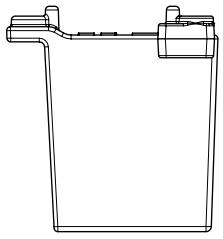
材质					SCALE	同裕电子有限公司		
3M9473					1/2	TUNG YU ELECTRONIC CO.,LTD.		
表面处理					SHEET			
/					1/1			
选择 DIM. / TOL.±	F	M1	M2	C	UNIT	名称		
0-6	0.05	0.10	0.20	0.25	mm	3M9473		
>6-30	0.10	0.20	0.30	0.50	SIZE	料号	客户代码	客户料号
>30-120	0.15	0.30	0.50	0.80	A4	101023130沿用		
>120-400	0.20	0.50	0.80	1.20		制图	审核	核准
>400-1000	0.30	0.80	1.20	2.00		JUN 20201218		
>1000~	0.50	1.20	2.00	3.00				
角度	0.50°	1.00°	1.20°	1.50°				

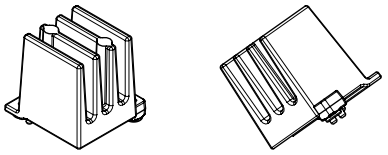
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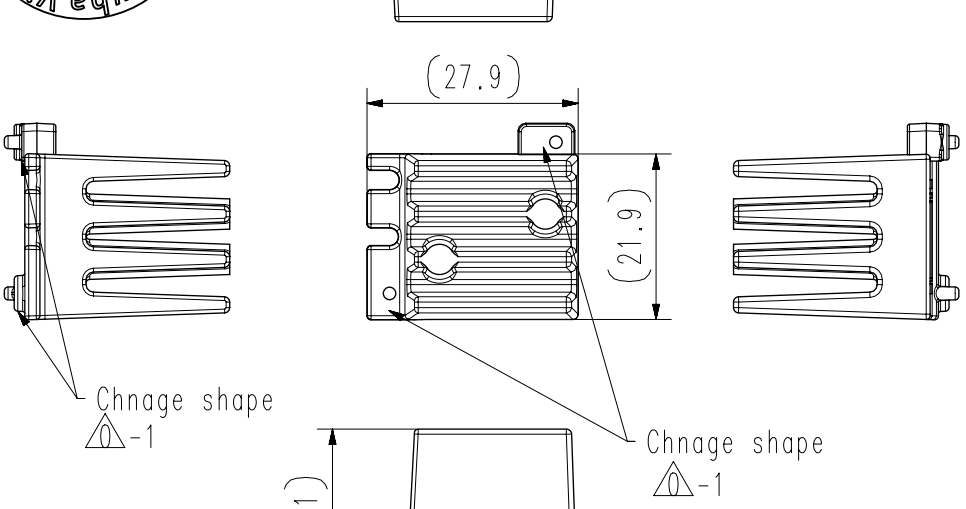
This parts should not contain any substances which are specified in AH60-0033K

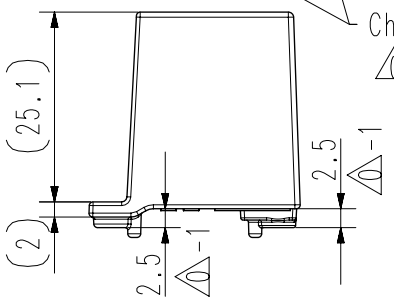
NO	PART NAME	CODE NO	MATERIAL	Q'TY	REMARK
1	HEATSINK SWITCH-AI_PCB	EP07-002217A	Check note	1	-

Hanwha Vision TEMPORARY 25.11.27 Hanwha Vision









CODE No.	A
Process	Casting→Cutting→Sanding →Machining/Tapping→Degrease→Cromate

NOTE:Die-Casting

1. Material and Basic wall thickness : ADC12, t2.5

2. Gate, P/L, Ejector Pin location must be handled with HVC designer.
3. Ejector pin stain must be less than 0.3 depth (⊔), no flash is allowed.
4. Undescribed edge round must be less than R0.5, undescribed corners must be less than R0.3.
5. No Deformation, Air bubble, Shrinkage is allowed.
6. Every Flash on P/L must be less than 0.1.
7. Undescribed draft angles must be less than 0.5° .
8. * marks (Key dimensions) must be carefully handled.
9. Surface cutting level of Gate and Over-Flow must be equivalent with other surface cutting level.
10. Part Name, Code Number, Mold Number, Material, Model Name must be carved on the inner side of the part.
 - Location and Specs. must be handled with HVC designer.
11. External look and printing specification must follow separately distributed Design Specification data.
 - Including Surface cutting, Chromate, Sanding, Spray, Silk Print specifications.
12. Reliability must satisfy HVC standards.
13. Delivery packing specifications must be discussed separately.
14. All other issues must be handled with HVC designer.

NO.	PART NO.	PART NAME	Spec	Q'TY

STANDARD TOLERANCE

DIV	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5
0-16	±0.05	±0.1	±0.1	±0.2	±0.3
16-63	±0.05	±0.1	±0.2	±0.3	±0.4
63-250	±0.1	±0.2	±0.3	±0.4	±0.4
250-1000	±0.2	±0.3	±0.4	±0.5	±0.6

CHANGE

△0-1 Change shape 25.11.27 M.Fujiwara

UNIT	mm	DESIGN	CHECK	APPROVAL	PART NAME	HEATSINK SWITCH-AI_PCB
SCALE	1/1	M.Fujiwara	M.H.Park	Y.S.Choi	MODEL NAME	BRR-P6410A2E
		25.07.28	25.07.28	25.07.28	CODE NO.	EP07-002217A

A4

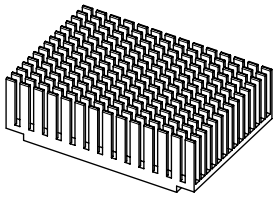
Hanwha Vision

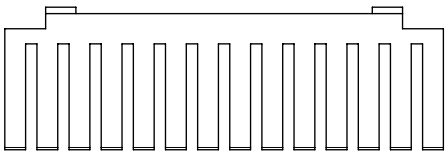
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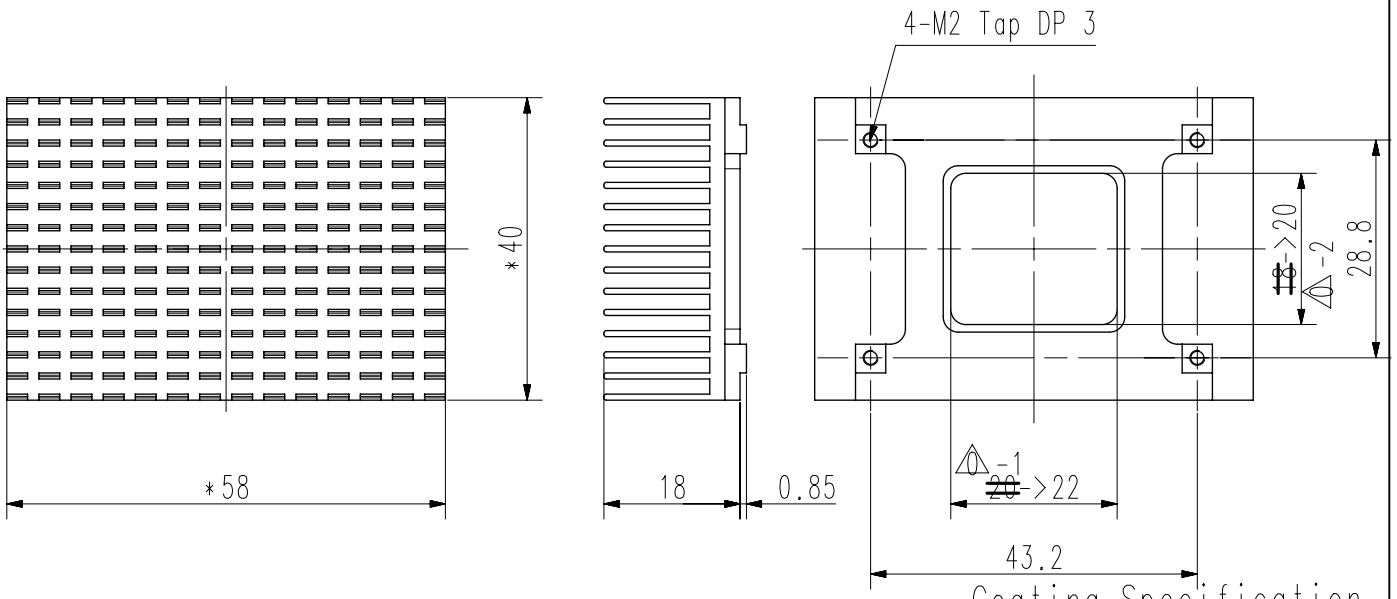
The following Page(s) are related to Diagrams-05. The next supplement, if applicable, will be identified with a new Supplement Page Heading.

This parts should not contain any substances which are specified in AH60-0033K

NO	PART NAME	CODE NO	MATERIAL	Q'TY	REMARK
1	SINK,HEAT-NVIDIA_ORIN_AIB-800;AL6063-T5	EP07-001989A	Check note	1	-







Coating Specification

Surface Processing	Anodizing
Color	Black

NOTE

1. Material and Basic wall thickness : AL6063-T5

2. Gate, P/L, Ejector Pin location must be handled with HVC designer.
3. Ejector pin stain must be less than 0.3 depth (⊑), no flash is allowed.
4. Undescribed edge round must be less than R0.5, undescribed corners must be less than R0.3.
5. No Deformation, Air bubble, Shrinkage is allowed.
6. Every Flash on P/L must be less than 0.1.
7. Undescribed draft angles must be less than 0.5° .
8. * marks (Key dimensions) must be carefully handled.
9. Surface cutting level of Gate and Over-Flow must be equivalent with other surface cutting level.
10. Part Name, Code Number, Mold Number, Material, Model Name must be carved on the inner side of the part.
 - Location and Specs. must be handled with HVC designer.
11. External look and printing specification must follow separately distributed Design Specification data.
 - Including Surface cutting, Chromate, Sanding, Spray, Silk Print specifications.
12. Reliability must satisfy HVC standards.
13. Delivery packing specifications must be discussed separately.
14. All other issues must be handled with HVC designer.

Hanwha Vision APPROVAL 23.08.18 Hanwha Vision

STANDARD TOLERANCE

DIV	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5
0-16	±0.05	±0.1	±0.1	±0.2	±0.3
16-63	±0.05	±0.1	±0.2	±0.3	±0.4
63-250	±0.1	±0.2	±0.3	±0.4	±0.4
250-1000	±0.2	±0.3	±0.4	±0.5	±0.6

CHANGE

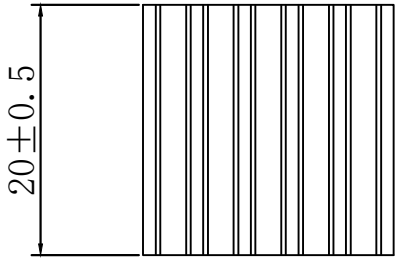
△-1,-2
Modify Grease area
18 -> 20
20 -> 22
-23.10.20 P.J.KIM-

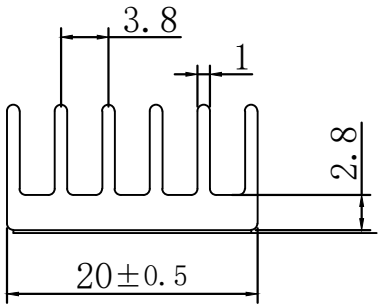
UNIT	mm	DESIGN	CHECK	APPROVAL	PART NAME	SINK,HEAT-NVIDIA_ORIN_AIB-800;AL6063-T5
SCALE	1/1	P.J.KIM	T.K.CHANG	Y.S.CHOI	MODEL NAME	AIB-800
		23.08.18	23.08.18	23.08.18		
Hanwha Vision					CODE NO.	EP07-001989A

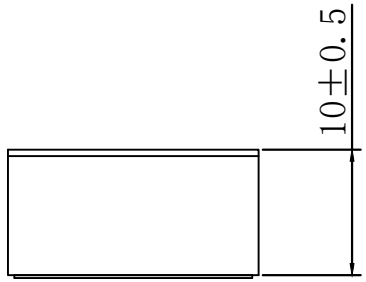
A4

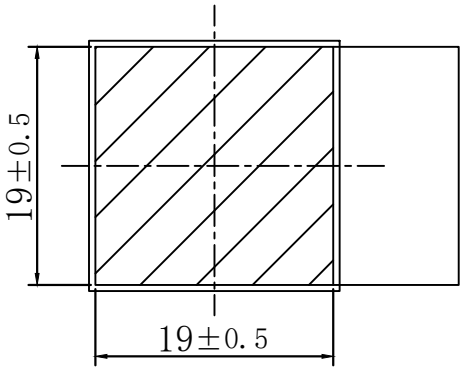
The following Page(s) are related to Diagrams-06. The next supplement, if applicable, will be identified with a new Supplement Page Heading.

版本	描述	位置	变更者	审核	日期
A0	新版发行				









技术要求：

1.材质:AL6063-T5

2.表面处理：阳极黑色

3.产品表面不能有压痕、碰伤等

4.标示 ① ~ ⑧ 为重点检验尺寸

5.产品须符合RoHs2.0要求

6.外观标准B级,未注公差M2

成品图面

材质					SCALE
AL6063-T5					1/2
表面处理					SHEET
阳极黑色					1/1

选择 DIM. / TOL.±	F	M1	M2	C
0-6	0.05	0.10	0.20	0.25
>6-30	0.10	0.20	0.30	0.50
>30-120	0.15	0.30	0.50	0.80
>120-400	0.20	0.50	0.80	1.20
>400-1000	0.30	0.80	1.20	2.00
>1000~	0.50	1.20	2.00	3.00
角度	0.50°	1.00°	1.20°	1.50°

UNIT mm

SIZE A4

同裕电子有限公司
TUNG YU ELECTRONIC CO.,LTD.

名称 散热片

料号 101022950 沿用

客户代码

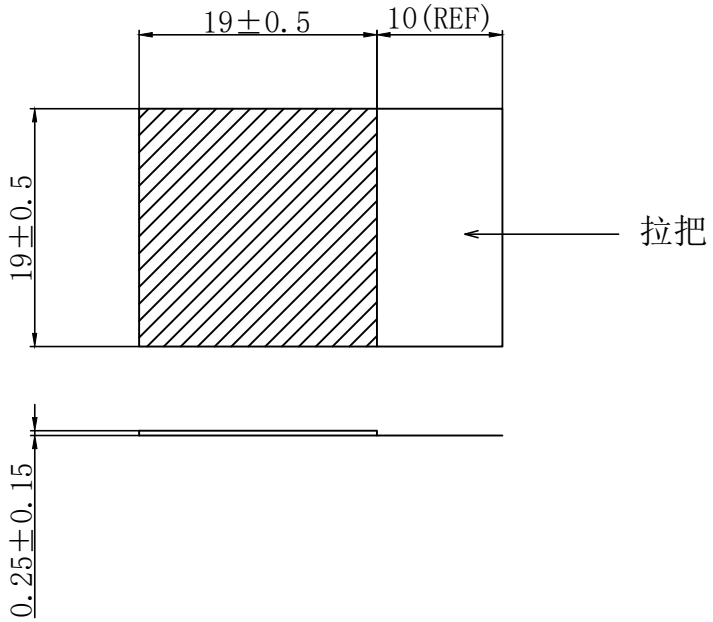
客户料号

制图 JUN 20201218

审核

核准

版本	描述	位置	变更者	审核	日期
A0	新版发行				



技术要求：

1.材质:3M9473

3.表面不可有刮碰伤,破损，脏污，气泡及未切断等不良

4.标示 ① ~ ⑩ 为重点检验尺寸

5.产品须符合RoHs2.0要求

6.外观标准B级,未注公差M2

配件图面

材质					SCALE	同裕电子有限公司		
3M9473					1/2	TUNG YU ELECTRONIC CO.,LTD.		
表面处理					SHEET			
/					1/1			
选择 DIM. / TOL.±	F	M1	M2	C	UNIT	名称		
0-6	0.05	0.10	0.20	0.25	mm	3M9473		
>6-30	0.10	0.20	0.30	0.50	SIZE	料号	客户代码	客户料号
>30-120	0.15	0.30	0.50	0.80	A4	101022950 沿用		
>120-400	0.20	0.50	0.80	1.20		制图	审核	核准
>400-1000	0.30	0.80	1.20	2.00		JUN 20201218		
>1000~	0.50	1.20	2.00	3.00				
角度	0.50°	1.00°	1.20°	1.50°				

The following Page(s) are related to Manuals-01. The next supplement, if applicable, will be identified with a new Supplement Page Heading.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit.
Follow all the safety instructions listed below.
Keep these operating instructions handy for future reference.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean the contaminated area on the product surface with a soft, dry cloth or a damp cloth.
(Do not use a detergent or cosmetic products that contain alcohol, solvents or surfactants or oil constituents as they may deform or cause damage to the product.)
7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding- type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) Do not allow children to access or operate this device. This is professional equipment and must be used only by qualified personnel.

Standards Approvals

- Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

  Le présent appareil est conforrme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
  (1) l'appareil ne doit pas produire de broullage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

BEFORE START

This manual provides operational information necessary for using the product and contains a description about each component part and its function as well as menu or network settings.
You have to keep in mind the following notices :

- Hanwha Vision retains the copyright on this manual.
- This manual cannot be copied without Hanwha Vision's prior written approval.
- We are not liable for any or all losses to the product incurred by your use of non-standard product or violation of instructions mentioned in this manual.
- Prior to opening the case, please consult a qualified technician first. Whenever this is needed power must be removed from the unit.
- Before adding a HDD or external storage (USB memory, USB HDD, etc), check if it is compliant with this product. For the compatibility list, contact the retailer.

Warning

Battery

Do not replace the internal battery yourself. There is a risk of explosion.

The following are the specifications of the battery you are using now.

- Normal voltage : 3V
- Normal capacity : 210mAh
- Continuous standard load : 0.4mA
- Operating temperature : -20°C ~ +60°C (-4°F ~ +140°F)

CALIFORNIA USA ONLY
This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA.
"Perchlorate Material - special handling may apply,
See www.dtsc.ca.gov/hazardouswaste/perchlorate."

■ Do not place the battery under direct sunlight or near a heat source, such as a heater.
(eg. leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;)

Moving fan blades

- Keep body parts away from fan blades.

CAUTION

- Connect the power cord into a grounded outlet.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.
- When the HDD reaches its end of life, the stored video data may be damaged, and not be able to be recovered.
- The HDD status LED on the front of the system continuously blinks to indicate that the system's connection to the HDD is normal. Check the HDD status LED regularly to see if it blinks continuously. Recording may not be possible when there is an HDD failure.
  Periodically check the recording status and backup important data regularly.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- Do not ingest battery, Chemical Burn Hazard.
- This product contains a coin / button cell battery. If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part or the body, seek immediate medical attention.

ATTENTION

- IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS.
- Ne pas ingérer la pile, risque de brûlure chimique.
- Ce produit contient une pile de type bouton/pièce de monnaie. Si la pile de type bouton/pièce de monnaie est avalée, elle peut causer de graves brûlures internes en seulement 2 heures et peut entraîner la mort.
- Gardez les piles neuves et usagées hors de portée des enfants. Si le compartiment de la pile ne se ferme pas correctement, cessez d'utiliser le produit et gardez-le d'atteinte des enfants.
  Si vous suspectez que des piles ont été avalées ou insérées dans une partie du corps, consultez un médecin sans tarder.

System Shutdown

Turning off the power while the product is in operation, or undertaking improper actions may cause damage or malfunction to the HDD or the product.
Press <**OK**> on the system shutdown popup window and then remove the power cable to ensure a safe power off.
You may want to install a UPS system for safe operation in order to prevent damage caused by an unexpected power stoppage. (Any questions concerning UPS, consult your UPS retailer.)

■ If powered off abnormally, restarting may take more time for restoring data from HDD for proper operation.

Operating Temperature

The guaranteed operating temperature range of this product is 0°C ~ 40°C (32°F ~ 104°F).
This product may not work properly if you run right after a long period of storage at a temperature below the guaranteed one.
Prior to using a device that has been stored for a long period in low temperatures, allow the product to stand at room temperature for a period.
Especially for the built-in HDD in the product, its guaranteed temperature range is 5°C ~ 55°C (41°F ~ 131°F).
Likewise, the HDD may not work at a temperature below the guaranteed one.

Ethernet Port

This equipment is in door use and all the communication wirings are limited to inside of the building.

Security Precautions

The initial administrator ID is "**admin**" and the password should be set when logging in for the first time.
Please change your password every three months to safely protect personal information and to prevent the damage of the information theft.
Please, take note that it's a user's responsibility for the security and any other problems caused by mismanaging a password.

Products supporting each feature

Function		Products
Fan		BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E
RAID		BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E
AI compatible function	AI Search	BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E
	Gen AI (Generative AI)	BRR-P6410A4E/BRR-P3210A4E
Extended monitor		BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E
Failover		BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E

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OVERVIEW 3

3 Important Safety Instructions
4 Before Start
5 Contents
6 Package Contents
7 Part Names and Functions (Front)
7 Cleaning the Dust Filter
8 Part Names and Functions (Rear)

INSTALLATION 9

9 Checking the Installation Environment
10 Installing the Rack
12 Installing the HDD

CONNECTING TO OTHER DEVICES 14

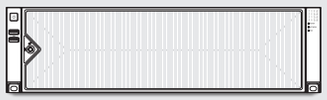
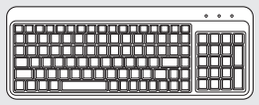
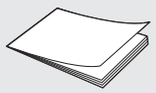
14 Connecting to an External Device
14 Connecting the USB
15 Connecting the Network

PACKAGE CONTENTS

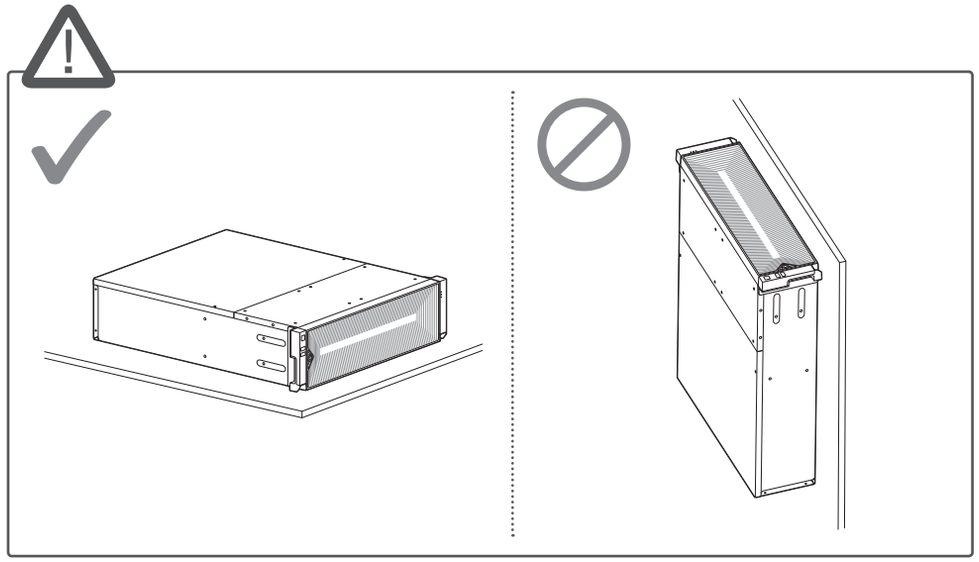
Please unwrap the product, and place the product on a flat place or in the place to be installed.
Please check the following contents are included in addition to the main unit.

- The appearance of the components may differ from the image shown.
- Accessory category and quantity may differ depending on sales region.
- For some regions, HDD is not pre-installed. The number of HDD fixing screws may vary depending on the number of installable HDDs.

BRR-P6410A4E/BRR-P3210A4E
BRR-X6410A4E/BRR-X3210A4E

		
VMS Appliance	Mouse	Keyboard
		
Quick Guide	Power Cable	HDD Fixing Screw (64 ea)
		
Anti-slip Rubber Pad	HDD Number Sticker	Front Cover Lock Key (2 ea)

- Use the product in a flat, horizontal position as illustrated.



installation

Please take note of the followings before using this product.

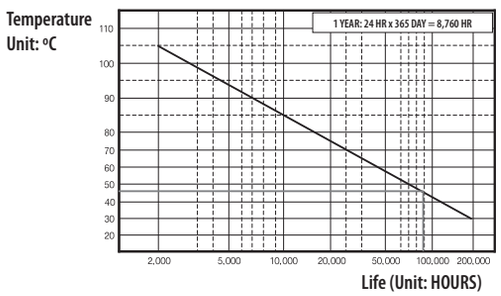
- Do not use the product outdoor.
- Do not spill water or liquid in the connection part of the product.
- Do not impose the system to excessive shock or force.
- Do not pull out the power plug forcefully.
- Do not disassemble the product on your own.
- Do not exceed the rated input/output range.
- Use a certified power cord only.
- For the product with an input ground, use a grounded power plug.

■ Depending on the HDD configuration and the surrounding temperature, there may be some noise from the product.

CHECKING THE INSTALLATION ENVIRONMENT

This product is an advanced security device with a high-capacity HDD and critical internal circuitry.

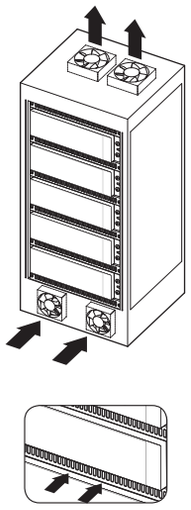
Note that an excessive internal temperature of the product may cause a system failure or a shortened product life (see the right figure). Keep in mind the following instructions before installing the product.



[Figure 1]

When mounting the product on a rack, comply with the following instructions.

1. Please ensure that the rack inside is not sealed.
2. Please ensure the air is circulated through the inlet/outlet as shown in the picture.
3. If you pile up the products or other rack-mount devices as shown in figure 2, secure room for ventilation or install a vent.
4. For natural air convection, place the inlet at the bottom of the rack and the outlet on top.
5. It is strongly recommended that a fan motor is installed at the inlet and the outlet for air circulation.
   (Please fit a filter at the inlet to screen dust or foreign substances.)
6. It is recommended to keep the temperature inside the rack or around the product at 25°C.



[Figure 2]

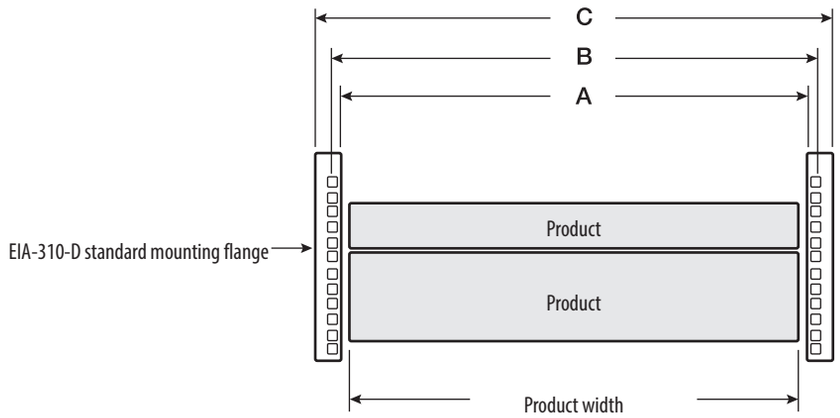
7. Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.
8. Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
9. Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
10. Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
11. Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

INSTALLING THE RACK

Rack installation requirements and reference dimensions

Classification	Requirements
Rack type	19-inch rack of EIA-310-D standard
POST count	4
POST distance	Depth 800 mm

Dimensions of mounting flange



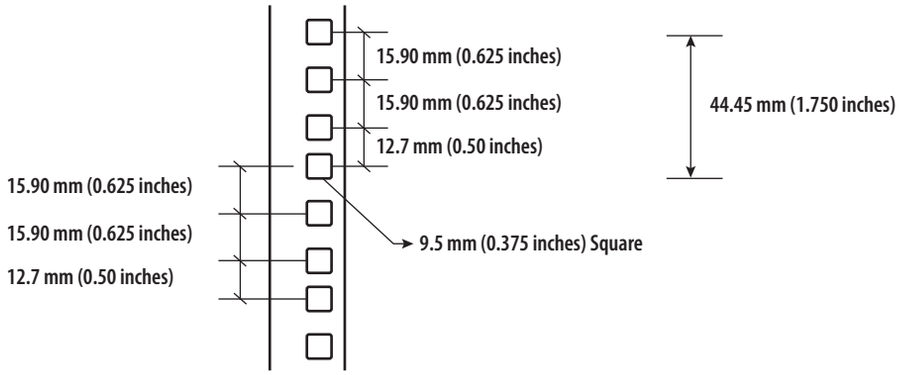
- **Notable dimensions**

Index	Dimension
A	450 mm (17.717 inches) min.
B	465 mm (18.307 inches) nominal
C	483.4 mm (19.031 inches) min.

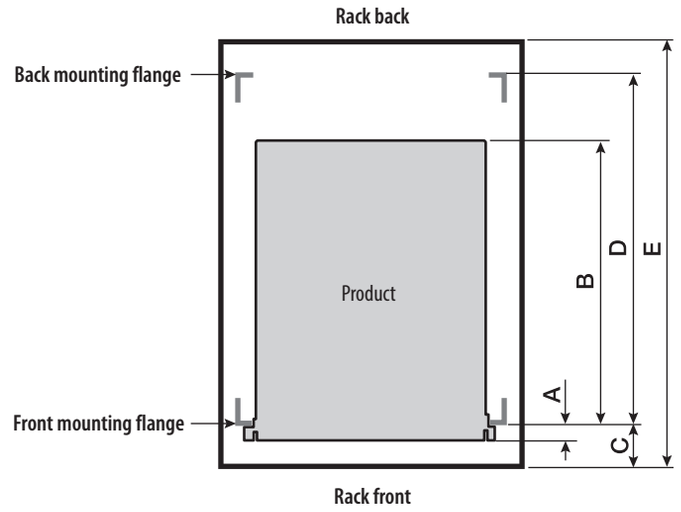
- **Flange mounting holes (square holes are recommended for BRR-P6410A4E/BRR-P3210A4E/ BRR-X6410A4E/BRR-X3210A4E series)**

  While EIA-310-D standard allows the mounting flange holes to be round, square, or tapped (threaded), the BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E series is only designed to work with round or square holes, but not tapped holes.

- **Square mounting holes**



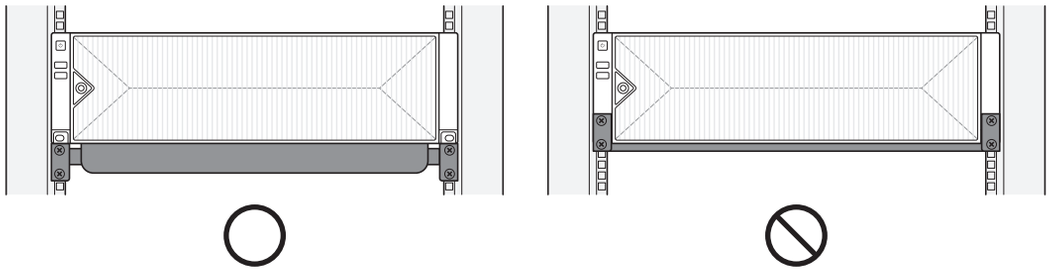
Recommended rack dimensions



Index	Dimension	Description
A	28 mm	Front dimensions of the product
B	560 mm	Product dimensions
C	51 mm	Offset distance between mounting flange and rack front
D	617~730 mm	Offset distance between mounting flanges
E	800 mm	Rack depth

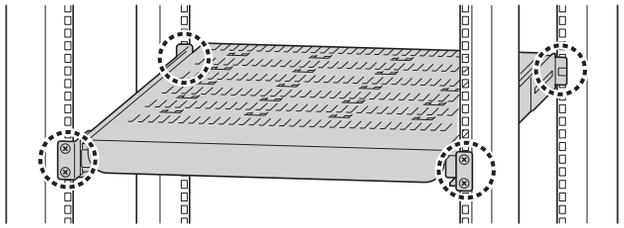
Precautions when selecting shelves

To prevent any problem while installing the product, make sure to select a structure where the bottom of the product is mounted.



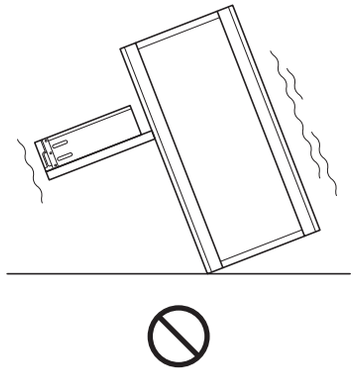
For installation stability, fixed shelf dedicated to 19-inch rack that supports the load of at least 30 kg is recommended.

■ A shelf needs to be secured with at least 4 screws.

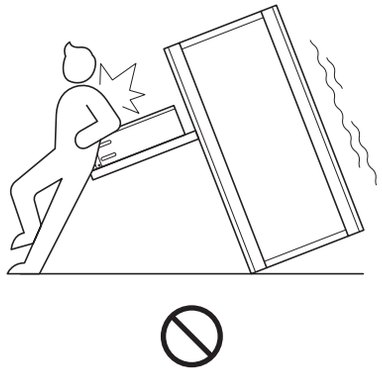


Precautions when using sliding shelves

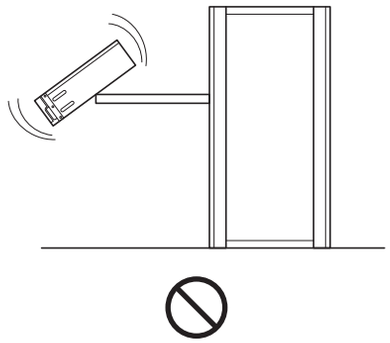
When removing a shelf, fix the rack to the ground so that it does not get toppled.



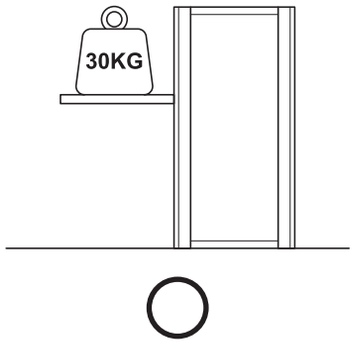
Avoid leaning on the installed product or place an object on it while its shelf is pulled out.



When sliding in/out the shelf, be careful not to drop the product.



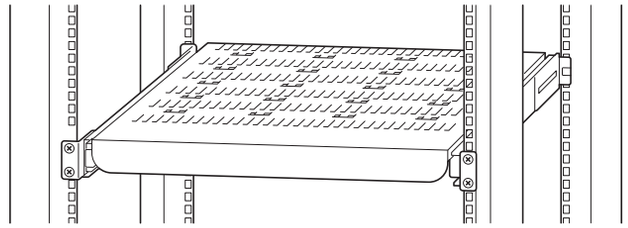
Use a shelf that supports the load of at least 30 kg while it is pulled out, and ensure that there is no deformation on the rail part while in use.



How to install rack

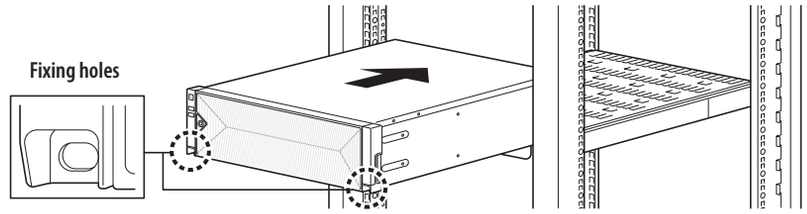
1 Mount the fixed or sliding shelf onto the 19-inch rack.

- See the manual provided by the manufacturer for installing the fixed shelf.



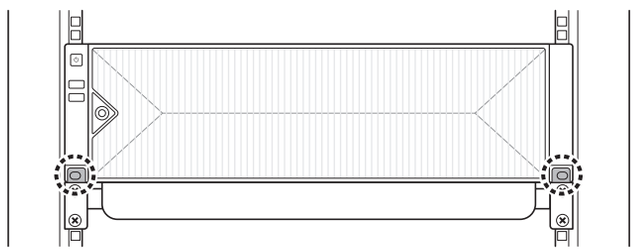
2 Place the product on the shelf and push it until the left/right fixing holes of the product align with the mounting flange holes of the 19-inch rack.

- Cage nuts must be assembled in the mounting flange holes of the 19-inch rack.



3 Insert the screws in the left/right fixing holes of the product to secure the product.

- Fixing nuts and cage nuts for the product are not shipped with the product. They are separately sold at the place where you purchased the shelf or rack.
  (M6 nuts and cage nuts of head size equal to 12 mm or less are recommended.)



INSTALLING THE HDD

Make sure to unplug the power cord from the wall outlet to prevent possible electric shock, injury or product damage.

Please consult your provider for further information on HDD installation since improper installation or settings may damage the product.

- Number of HDDs supported
  - BRR-P6410A4E/BRR-P3210A4E/BRR-X6410A4E/BRR-X3210A4E: Supports up to 16 HDDs.
- Make sure to unplug the power cord from the wall outlet before proceeding with the installation.

- **Cautions for data loss (HDD care)**
  Please pay attention so that the data inside the HDD is not damaged.
  Before adding a HDD, please check the compatibility with this product.
  HDD is vulnerable to malfunction due to its sensitive nature especially against shock when operating. Please ensure that the HDD is free from such shock.
  We are not liable for any damage to the HDD incurred by user's carelessness or miss use.
- **Cases might cause damage to HDD or recorded data**
  To minimize the risk of data loss from a damaged HDD, please backup data as often as possible.
  If exposed to shock when disassembling or installing, data stored in the HDD may be damaged.
  A sudden power failure or turning off the product while in HDD operation may damage the HDD.
  HDD or files stored inside may be damaged if the main body is moved or impacted during the HDD operation.

Cautions when installing a HDD

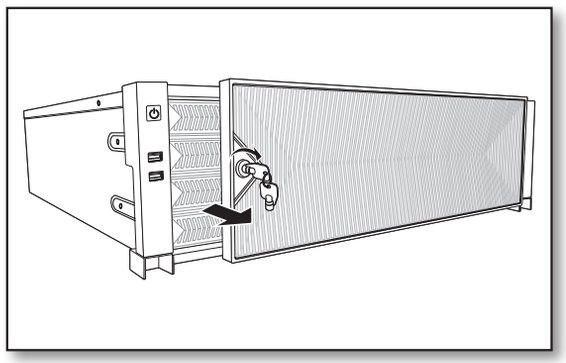
1. Do not apply excessive force to the HDD.
2. Pay attention so as not to lose the disassembly screws or accessories.
   - If the screws or accessories are not put together correctly, the product may breakdown or not operate properly.
3. Please check the HDD compatibility before adding a HDD.
   - Please contact your nearest dealer to obtain the list of compatible devices.
4. If you wish to replace or add an HDD, contact your dealer or our customer service first.
   - The front cover can only be opened through the product manager.

Installing the HDD

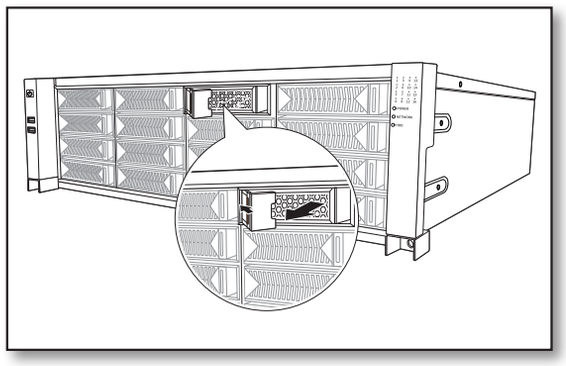
- If you are adding a new or previously used HDD to this product in addition to the HDD(s) originally installed, format the new HDD manually in the set before use.
- For replacement or installation of an additional HDD you must contact your dealer or our customer center.

BRR-P6410A4E/BRR-P3210A4E
BRR-X6410A4E/BRR-X3210A4E

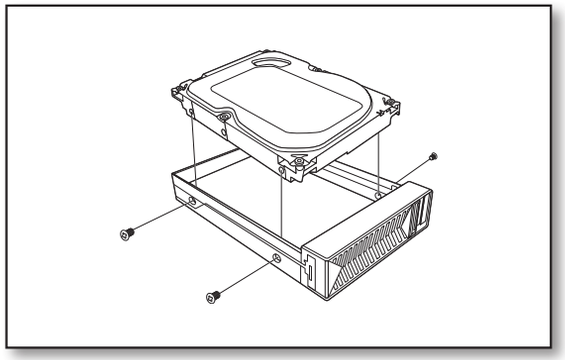
1. Use the front cover lock key to unlock the cover. Grab the front cover with both hands and pull it to the left to separate it.



2. Press the orange button on the HDD bracket to the left and pull forward to separate the main body and the HDD bracket.

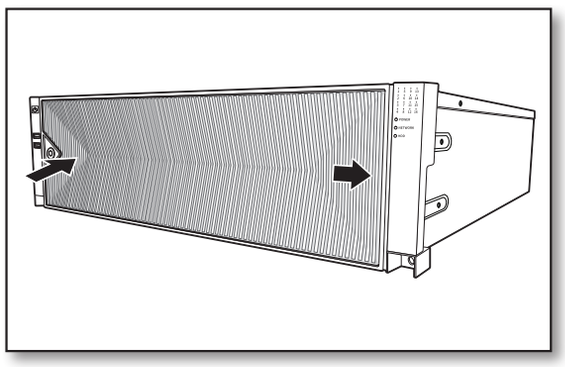


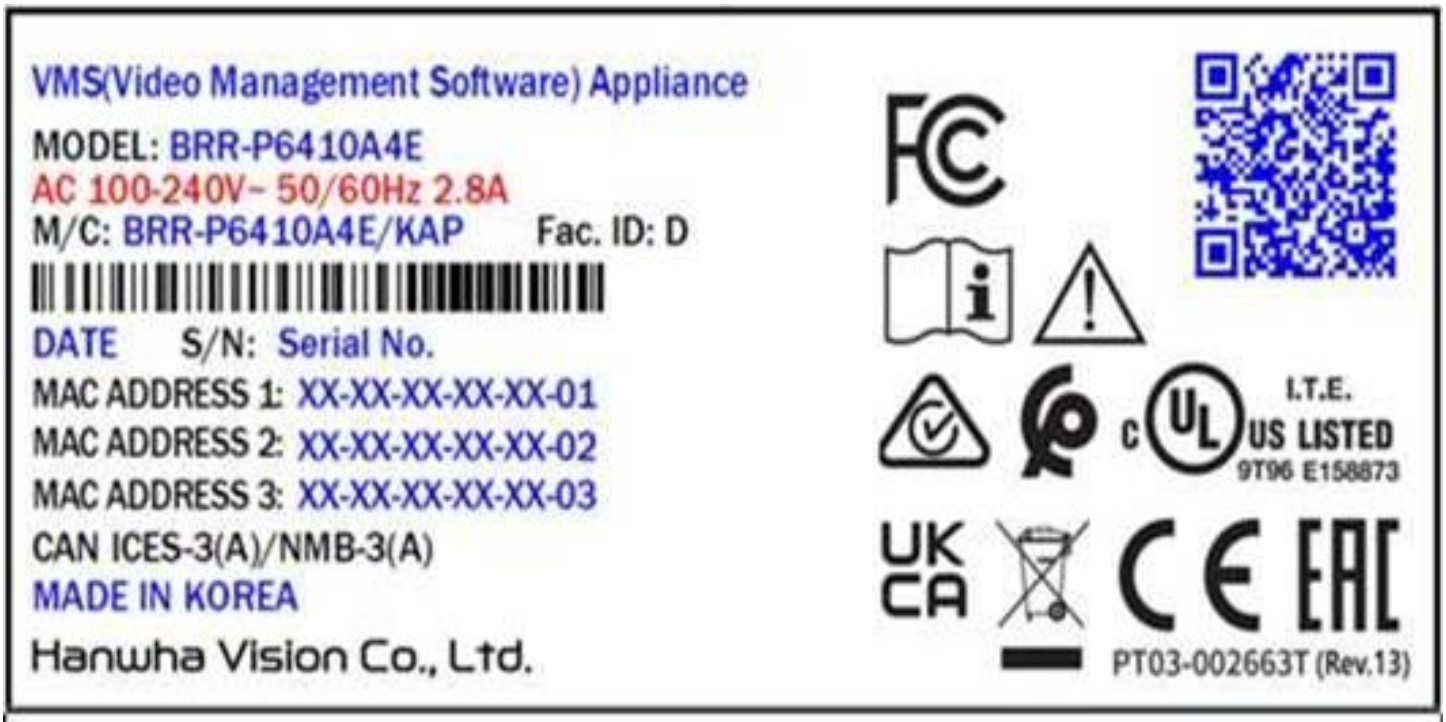
3. Mount a HDD in the HDD bracket and screw it in using the screws provided.

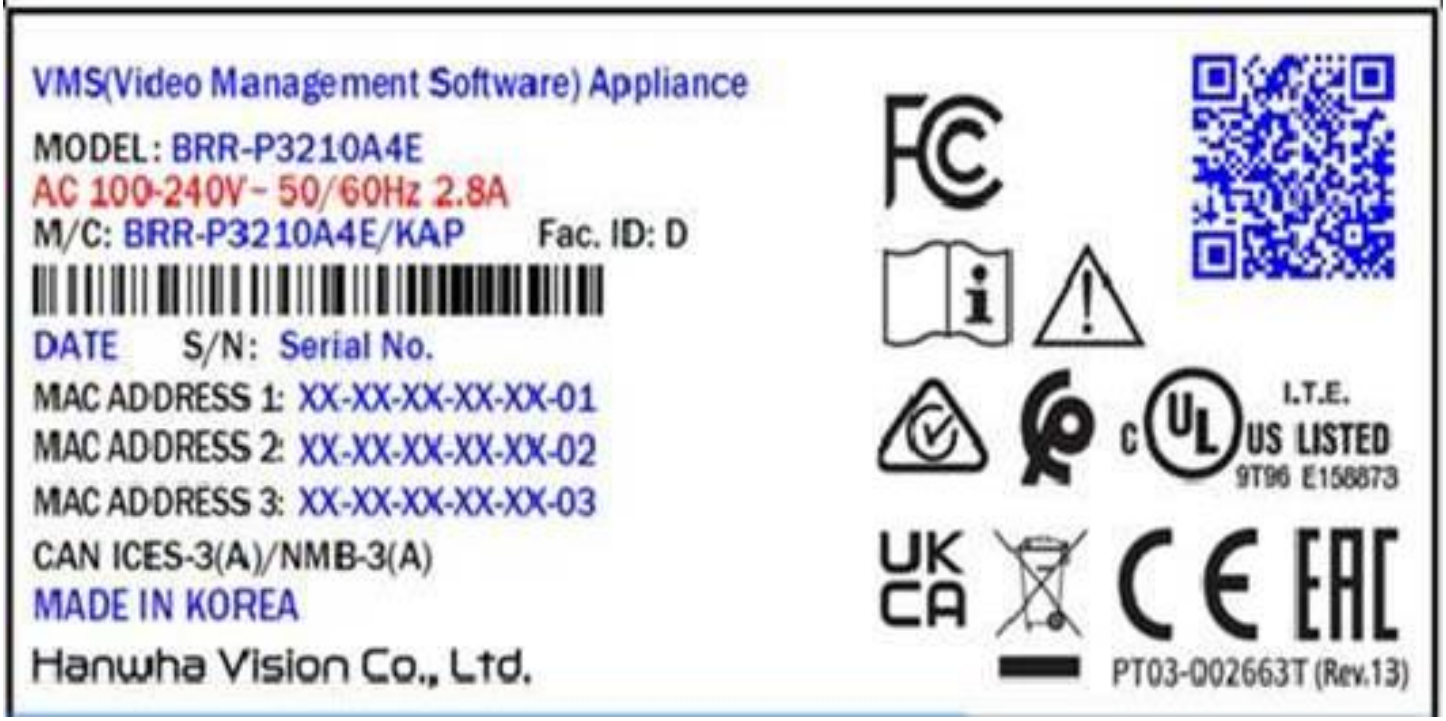


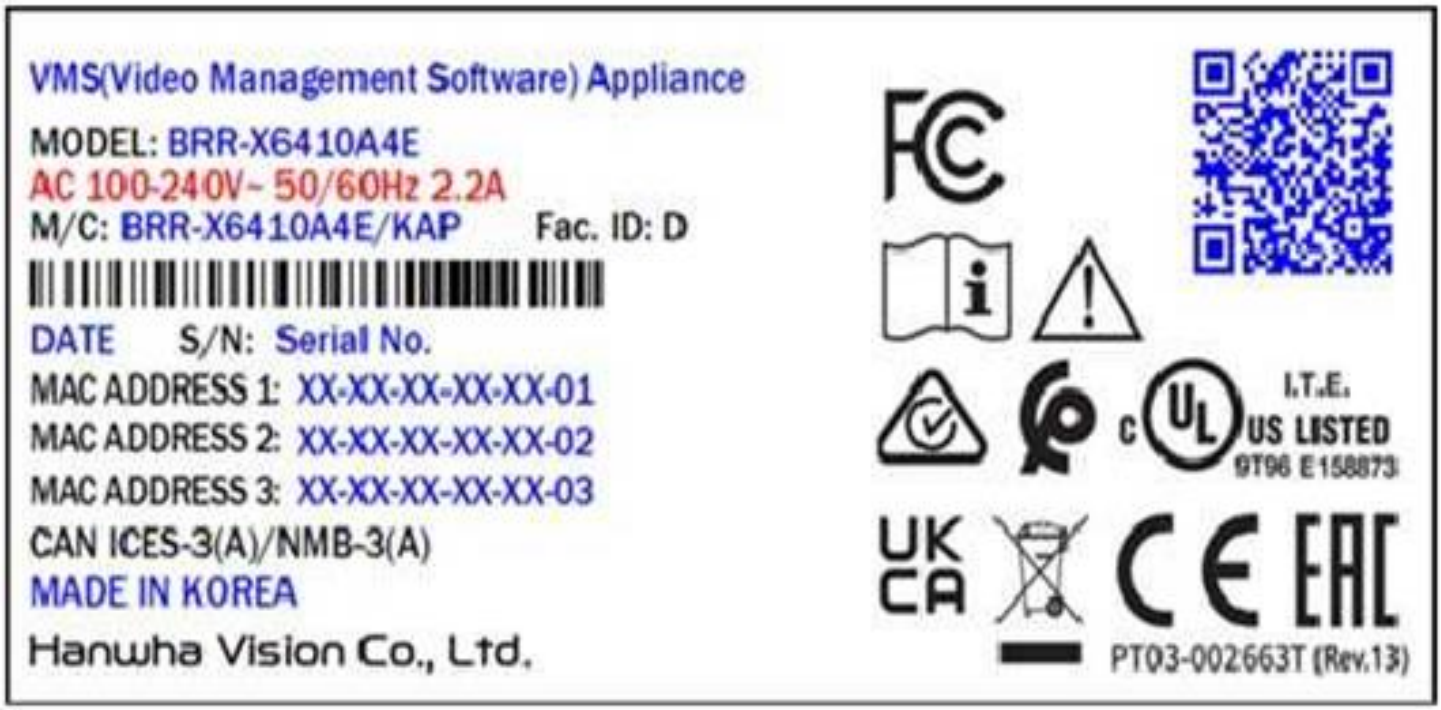
4. Once the HDD is mounted in the bracket, push the bracket into the main body and close the front cover.

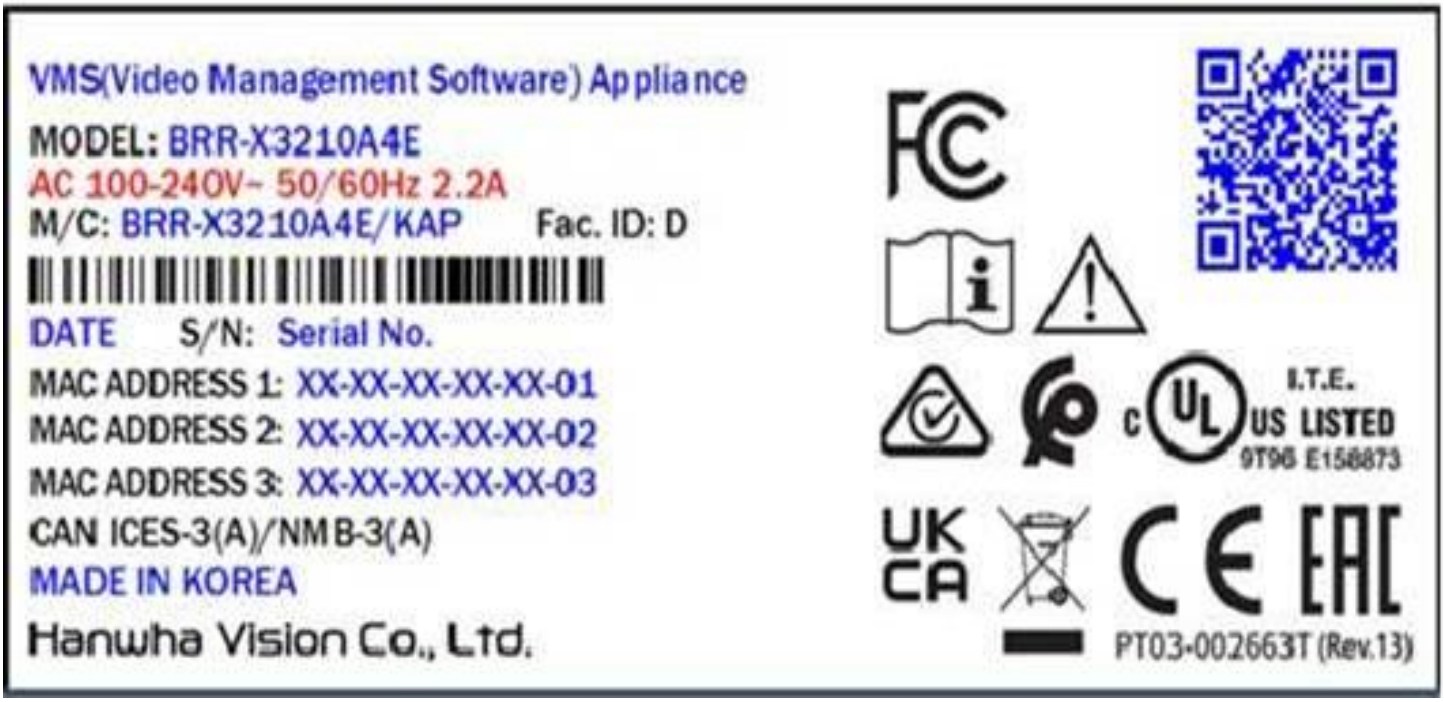
- Fit the front cover into the right notch of the main body, then press and close until you hear a 'click'.
- Use the front cover lock key to lock the front cover so that it does not get separated.




VMS(Video Management Software) Appliance
MODEL: BRR-P6410A4E
AC 100-240V~ 50/60Hz 2.8A
M/C: BRR-P6410A4E/KAP Fac. ID: D
DATE S/N: Serial No.
MAC ADDRESS 1: XX-XX-XX-XX-XX-01
MAC ADDRESS 2: XX-XX-XX-XX-XX-02
MAC ADDRESS 3: XX-XX-XX-XX-XX-03
CAN ICES-3(A)/NMB-3(A)
MADE IN KOREA
Hanwha Vision Co., Ltd.
I.T.E.
US LISTED
9T96 E158873
PT03-002663T (Rev.13)


VMS(Video Management Software) Appliance
MODEL: BRR-P3210A4E
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MAC ADDRESS 2: XX-XX-XX-XX-XX-02
MAC ADDRESS 3: XX-XX-XX-XX-XX-03
CAN ICES-3(A)/NMB-3(A)
MADE IN KOREA
Hanwha Vision Co., Ltd.
I.T.E.
US LISTED
9T96 E158873
PT03-002663T (Rev.13)


VMS(Video Management Software) Appliance
MODEL: BRR-X6410A4E
AC 100-240V~ 50/60Hz 2.2A
M/C: BRR-X6410A4E/KAP Fac. ID: D
DATE S/N: Serial No.
MAC ADDRESS 1: XX-XX-XX-XX-XX-01
MAC ADDRESS 2: XX-XX-XX-XX-XX-02
MAC ADDRESS 3: XX-XX-XX-XX-XX-03
CAN ICES-3(A)/NMB-3(A)
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VMS(Video Management Software) Appliance
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Photographs-02 Page-1



Photographs-03 Page-1



Photographs-04 Page-1



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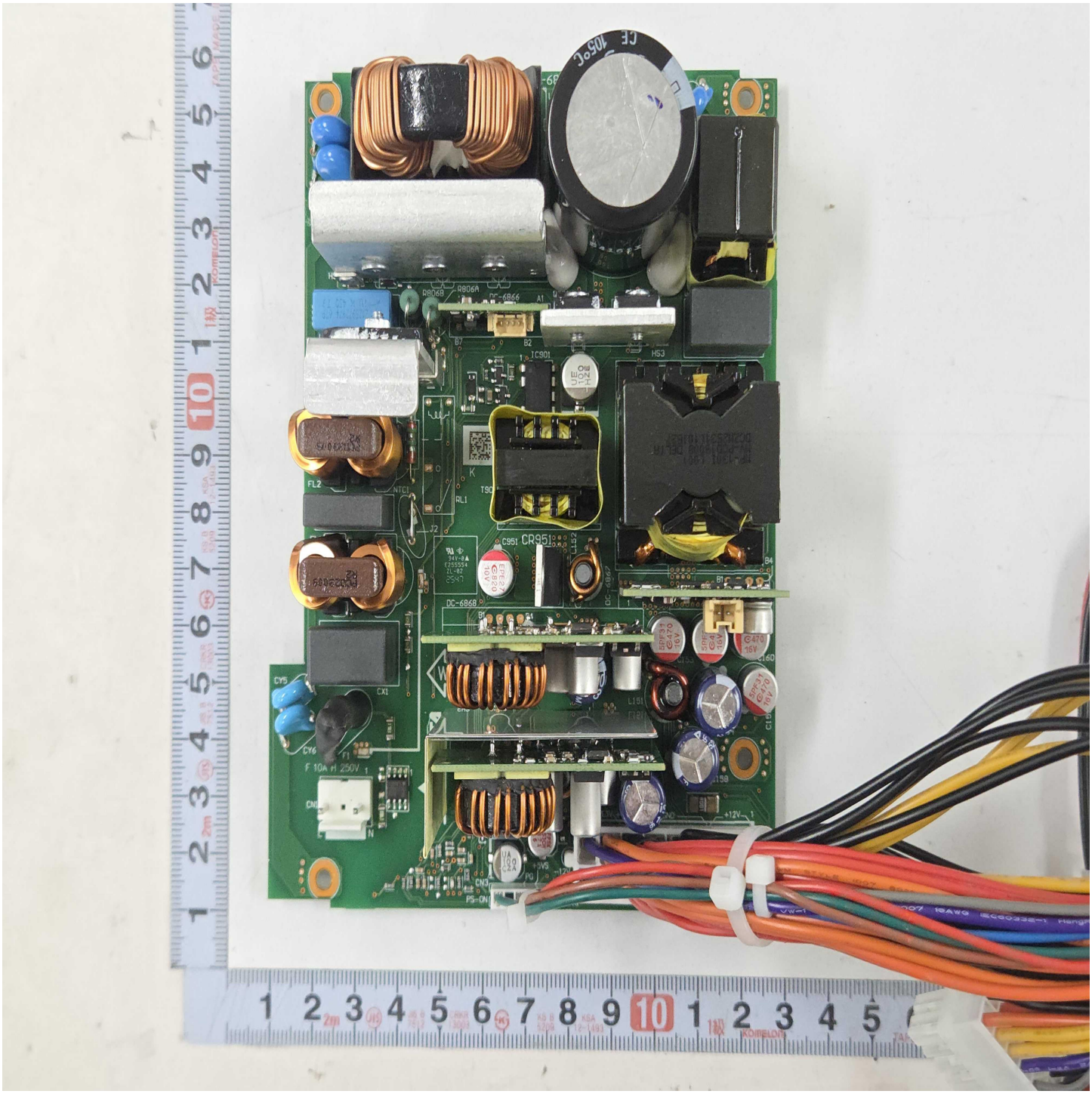
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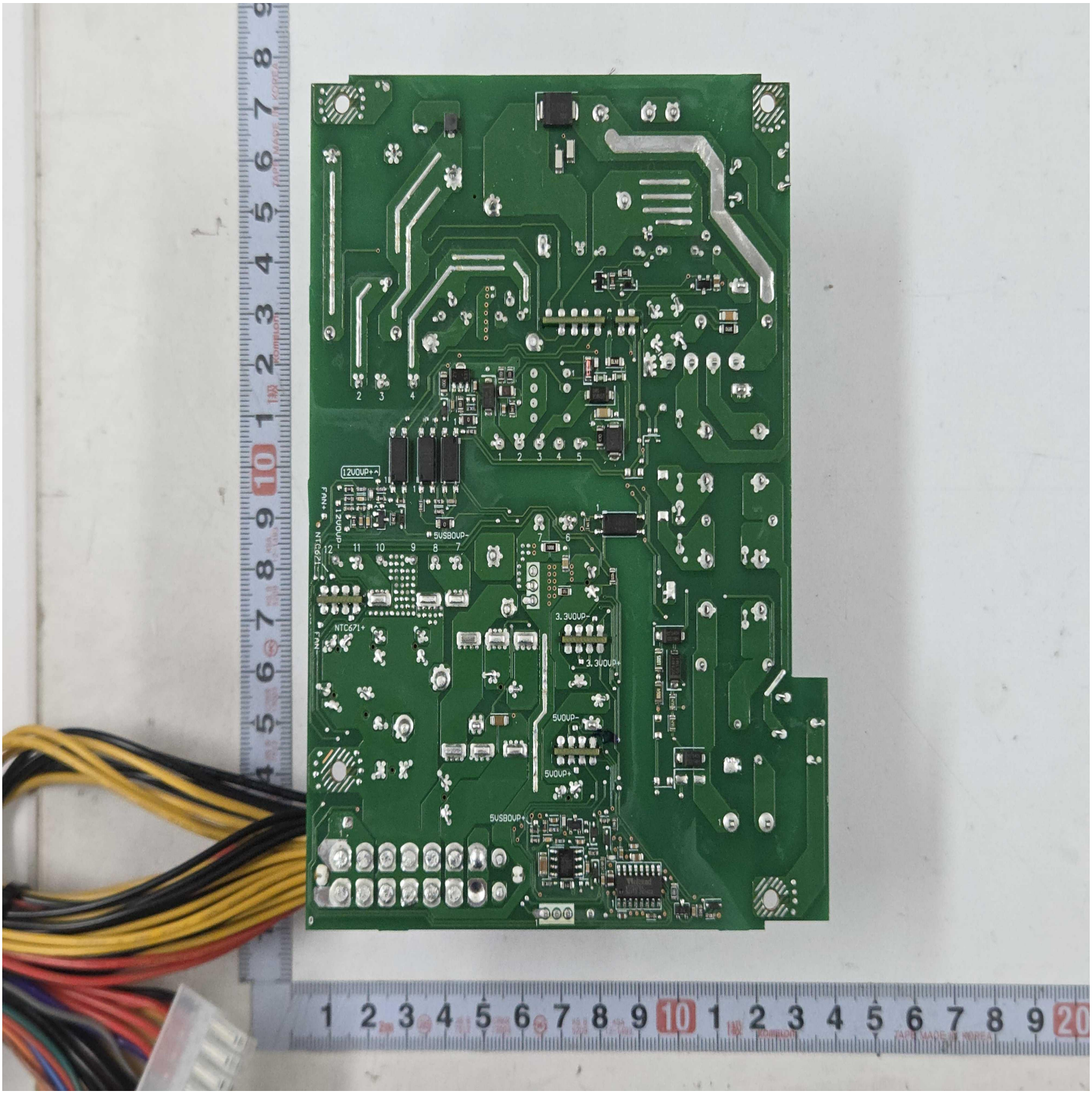
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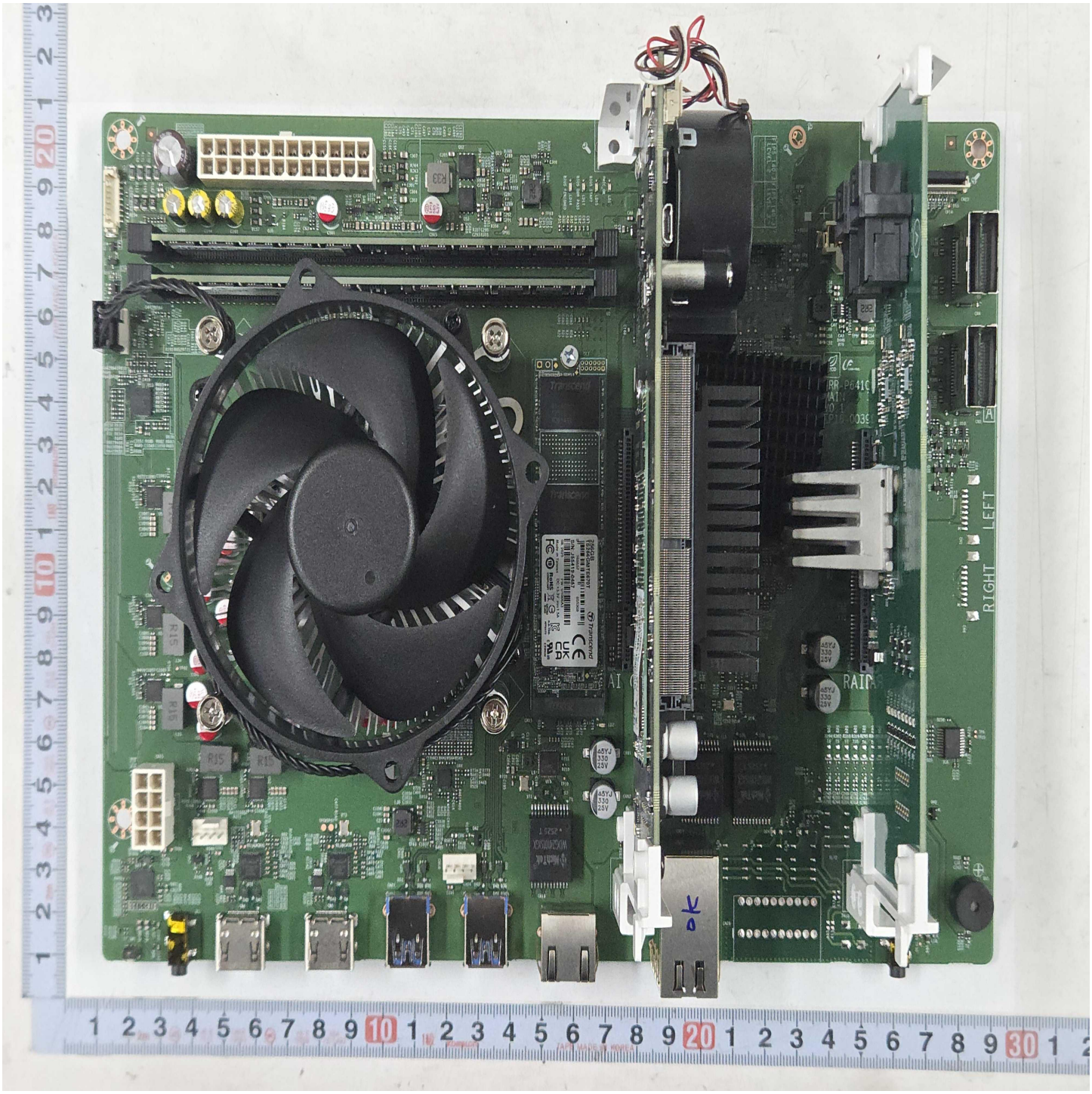
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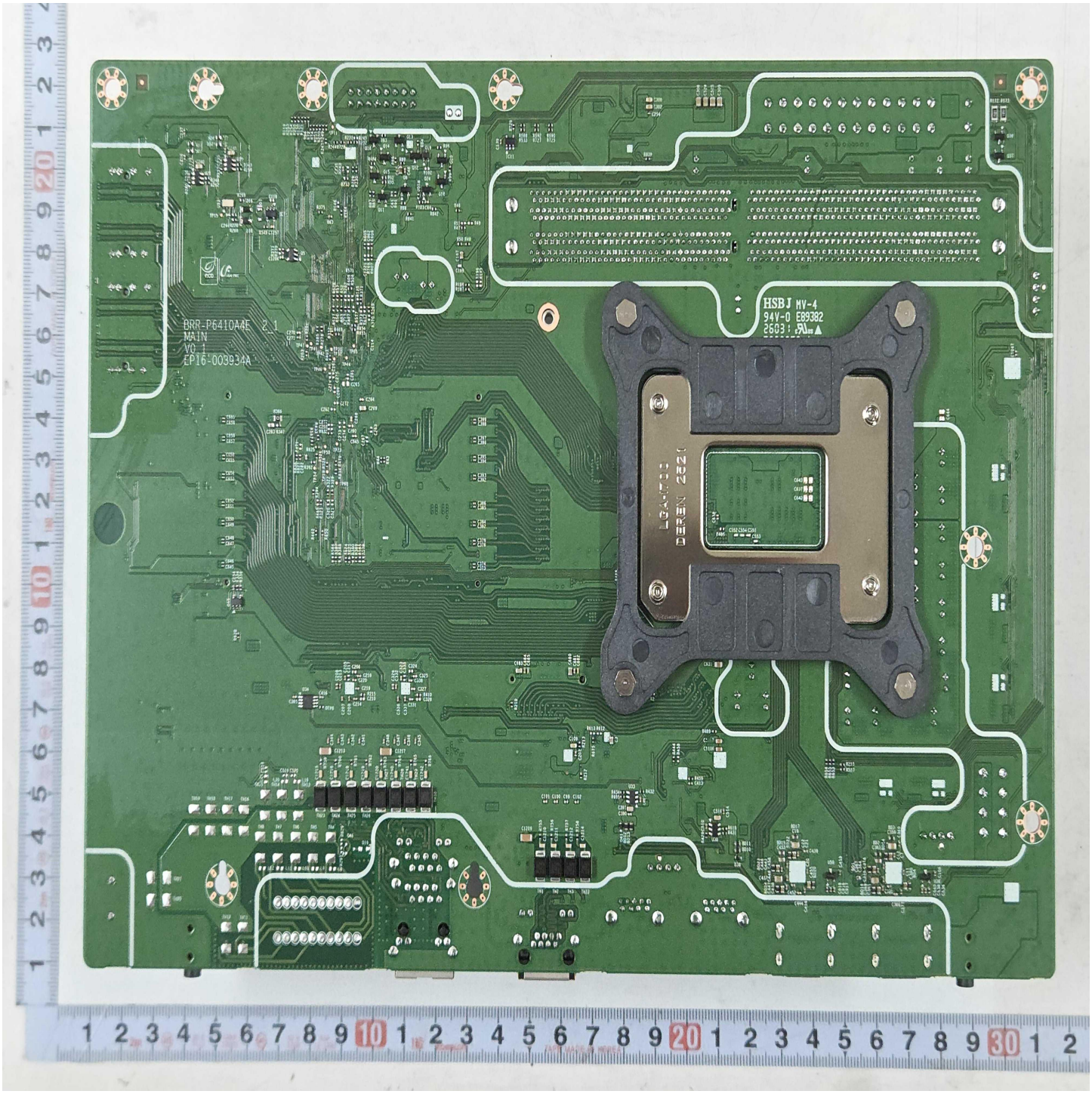
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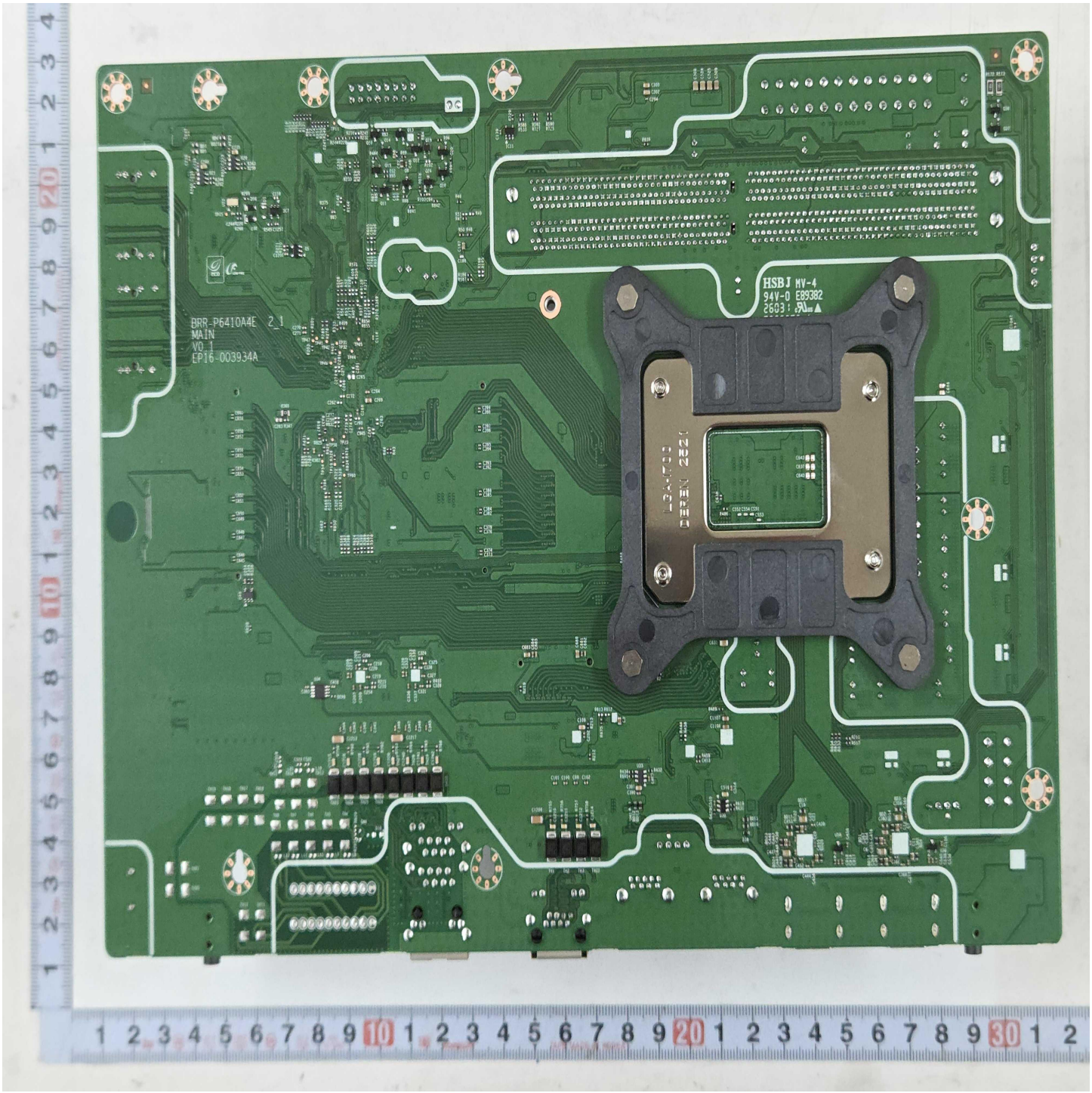
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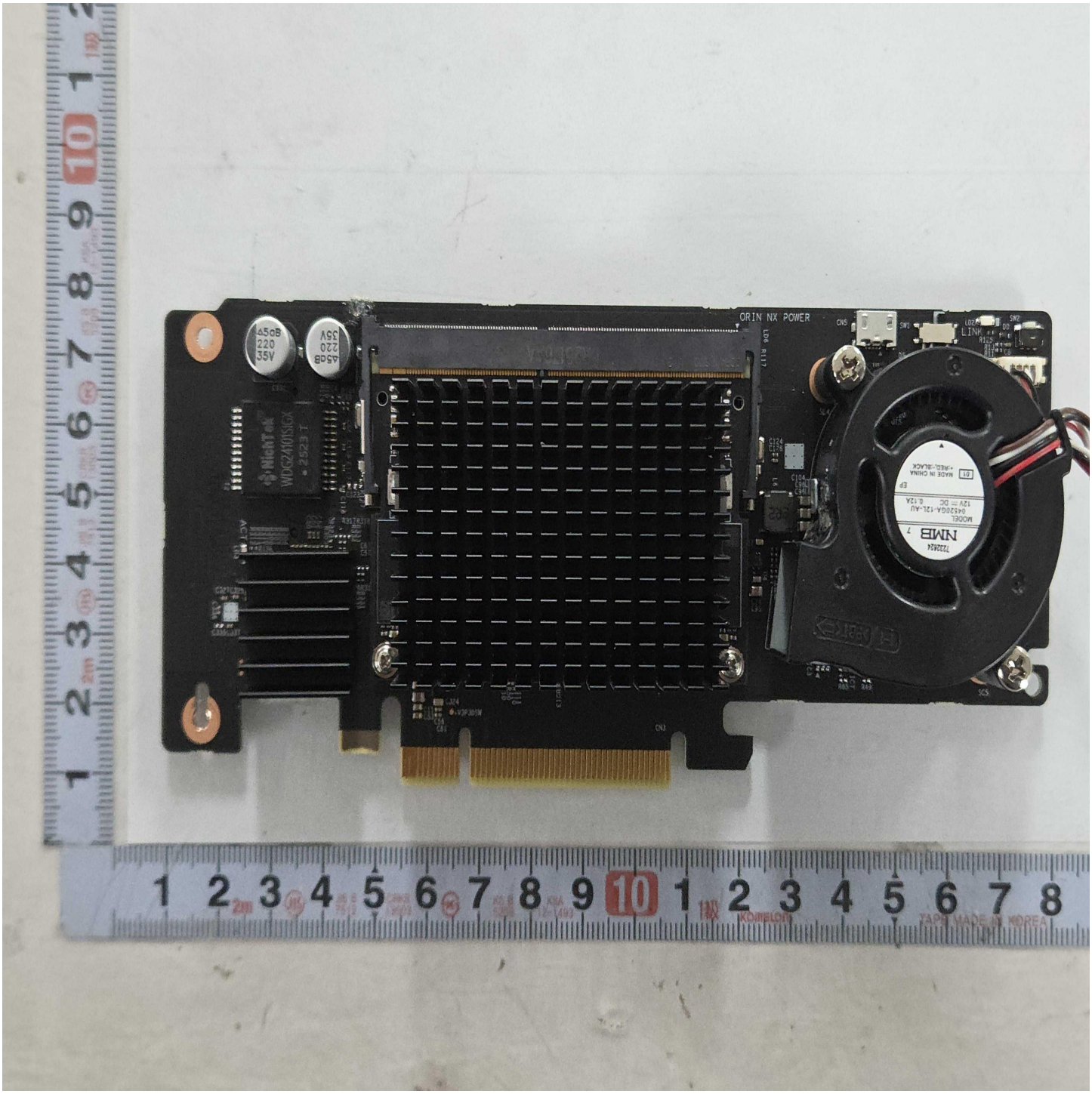
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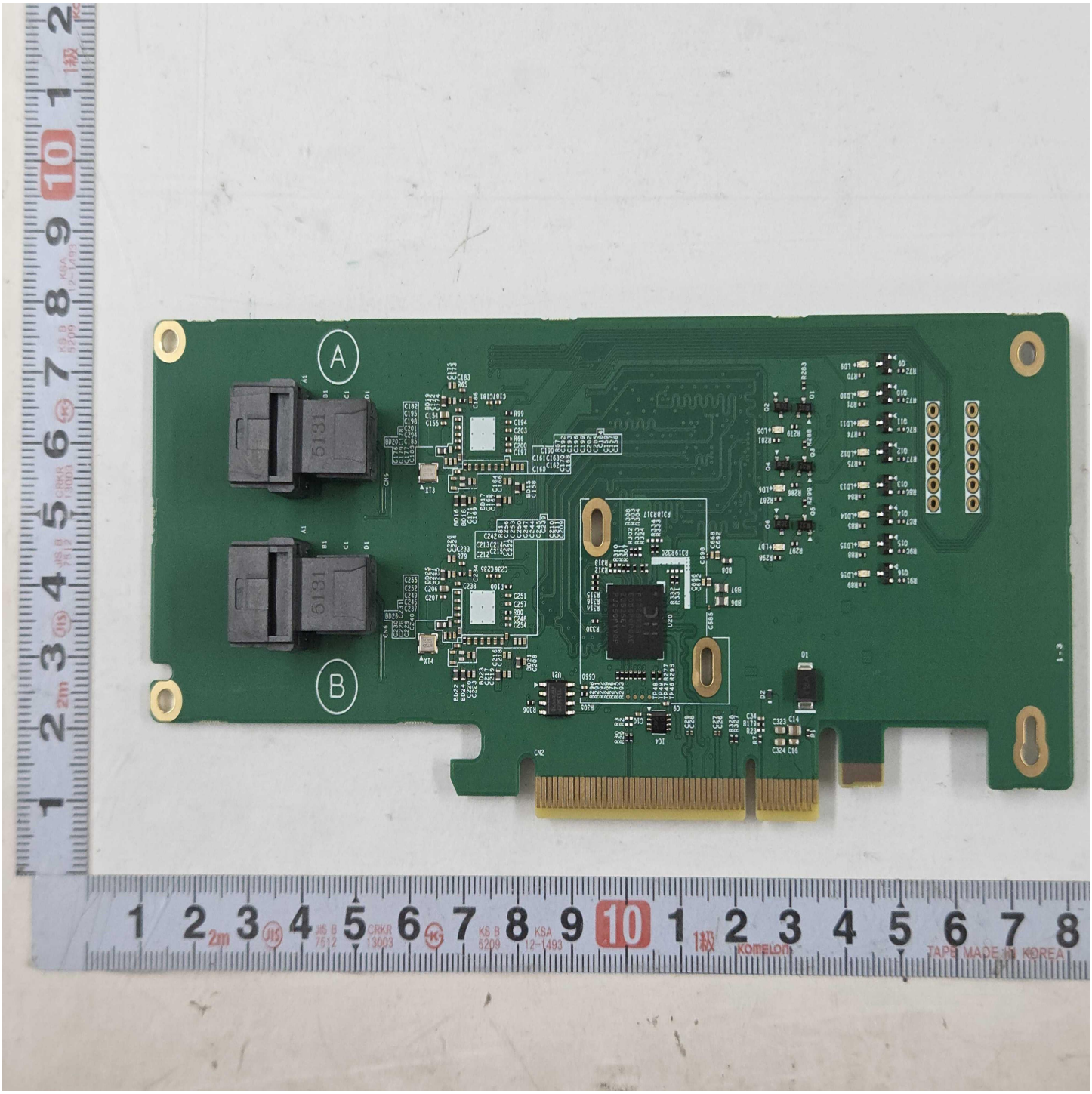
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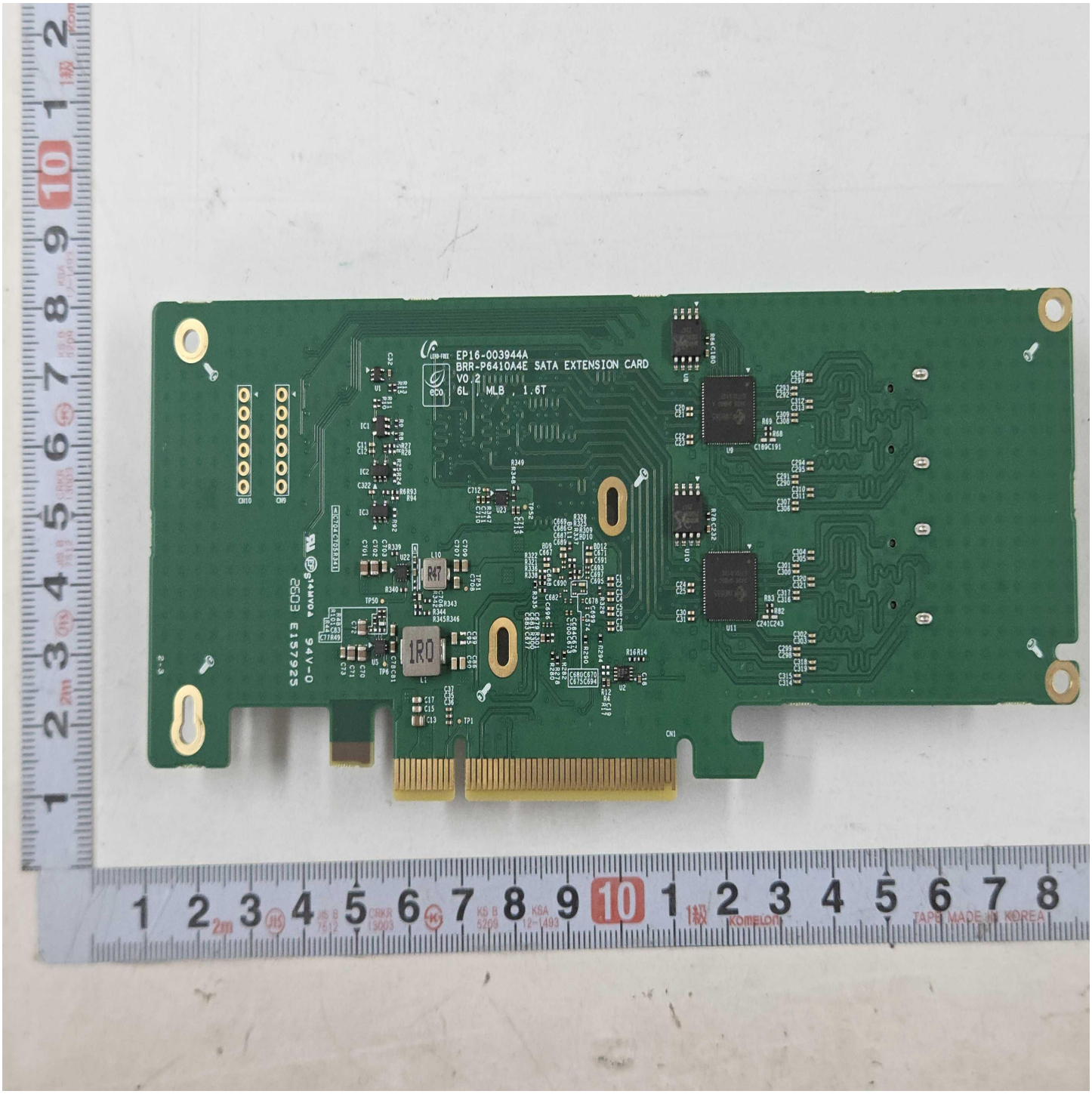
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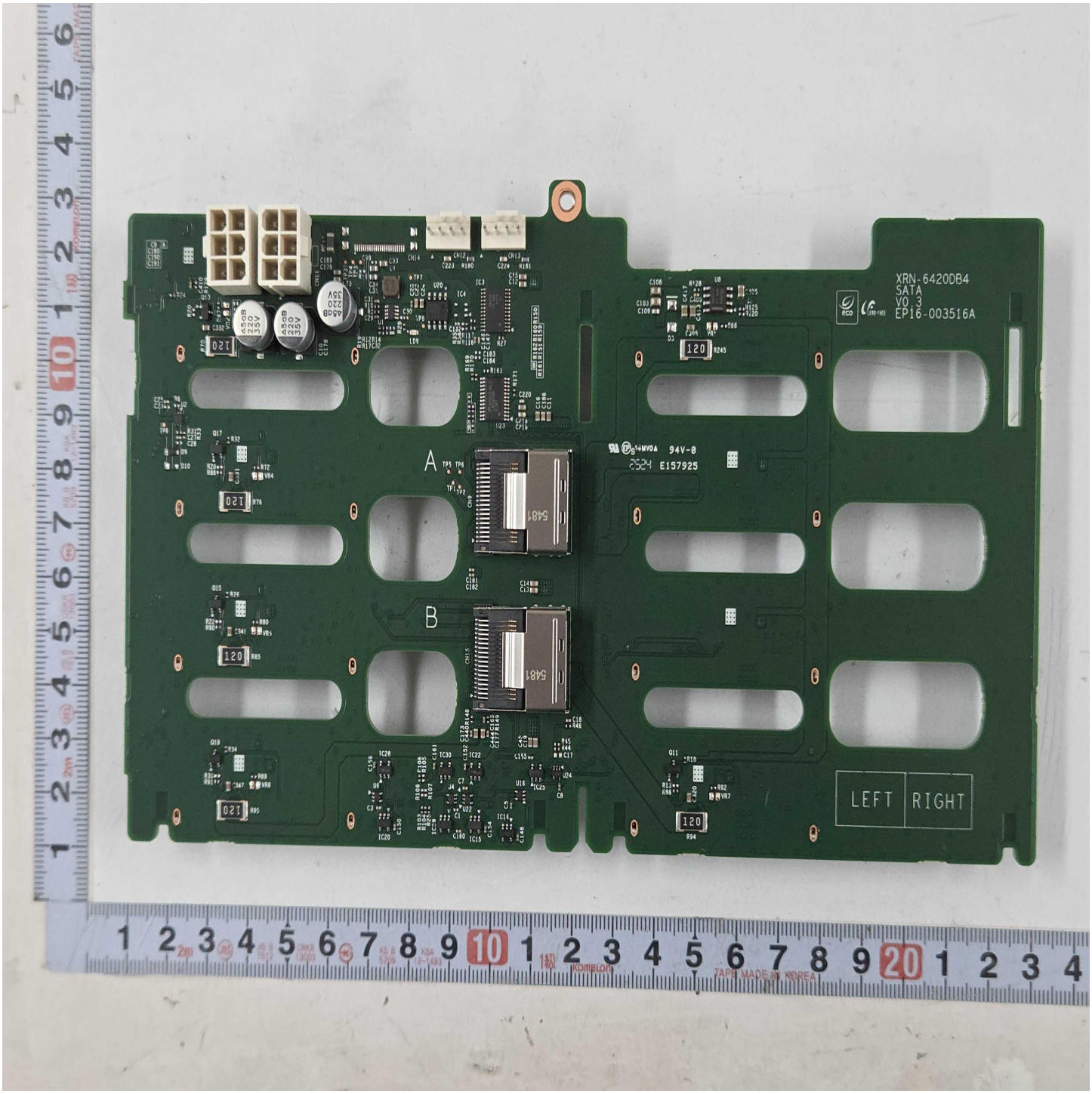
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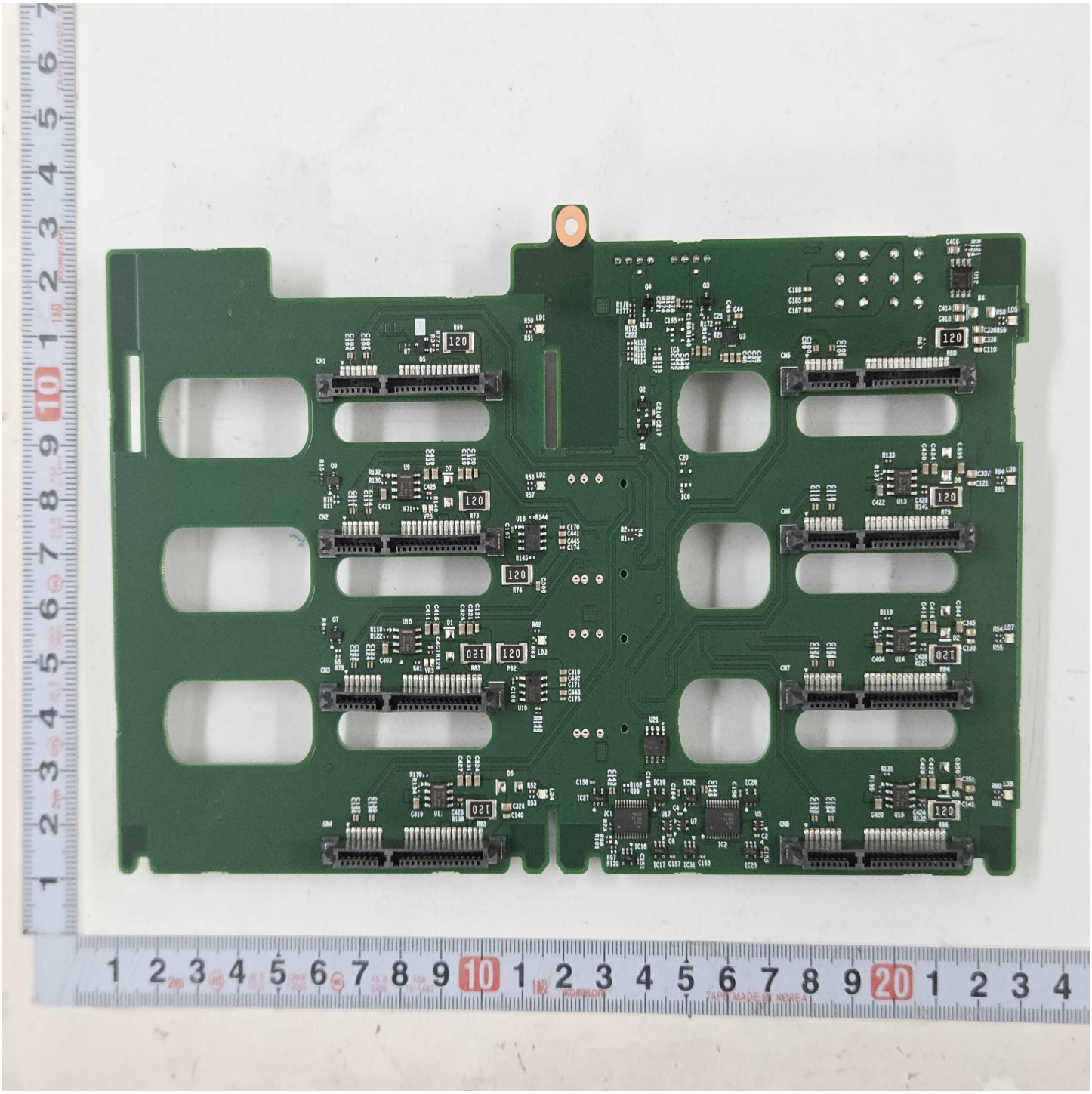
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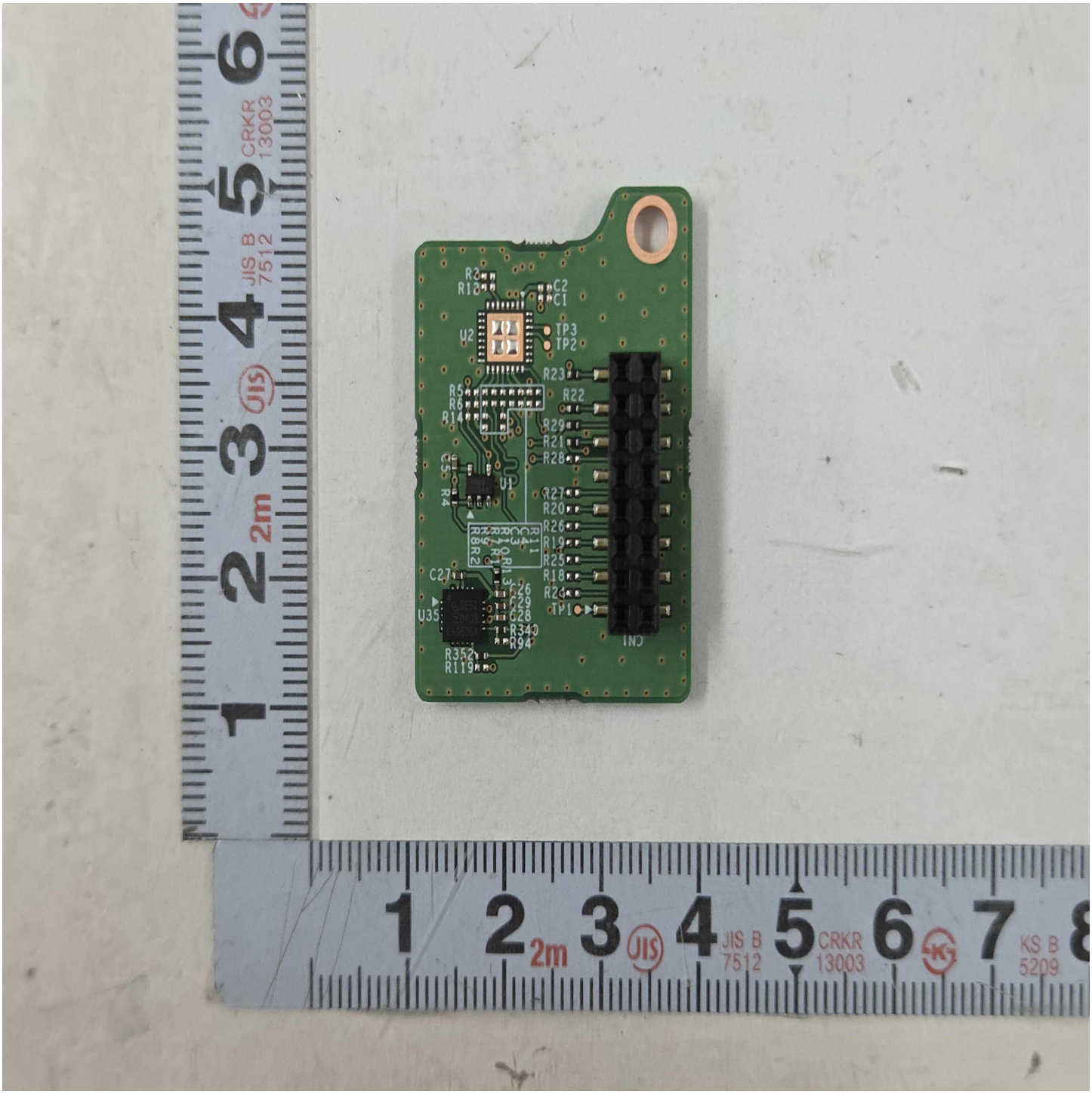
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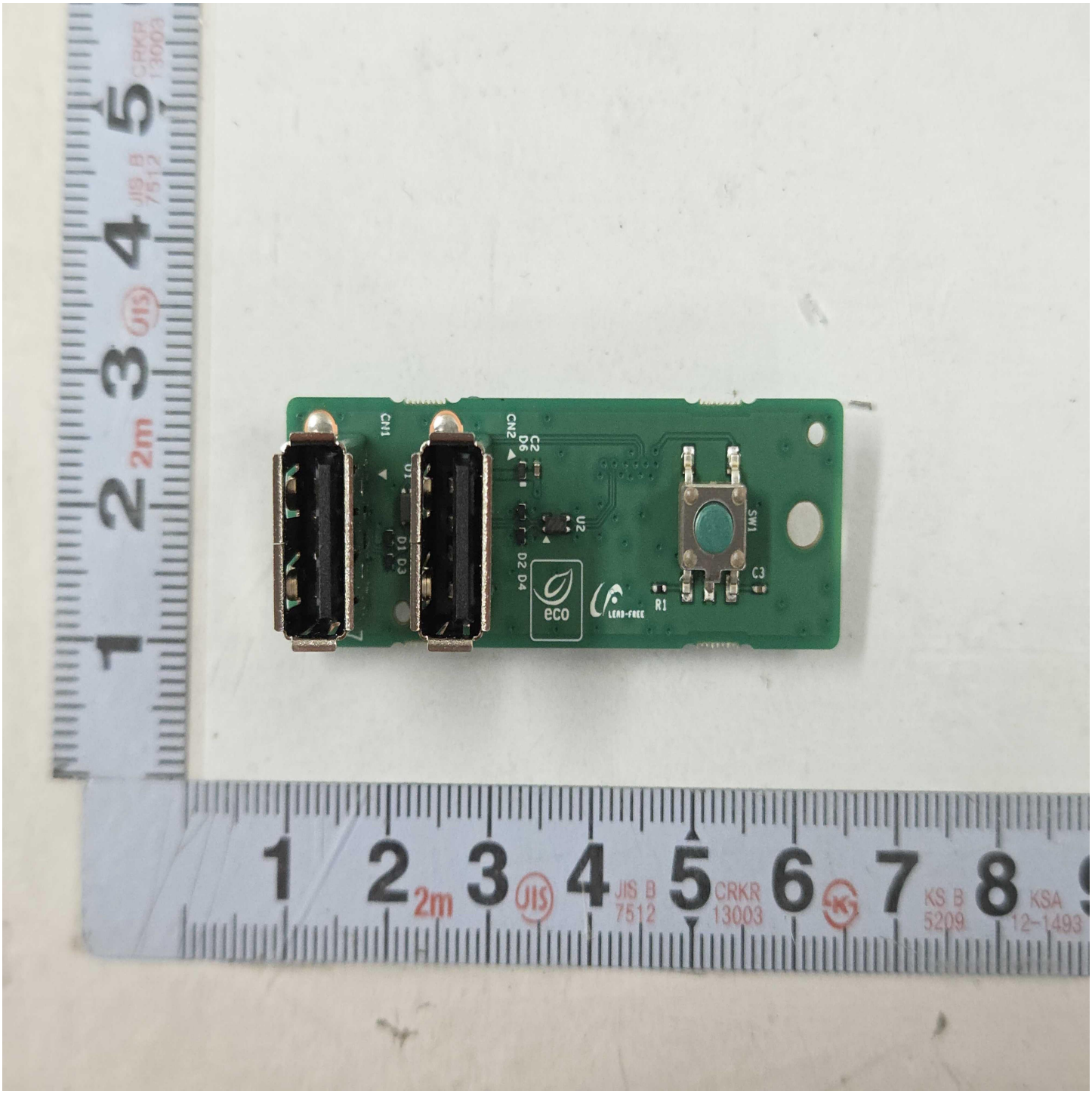
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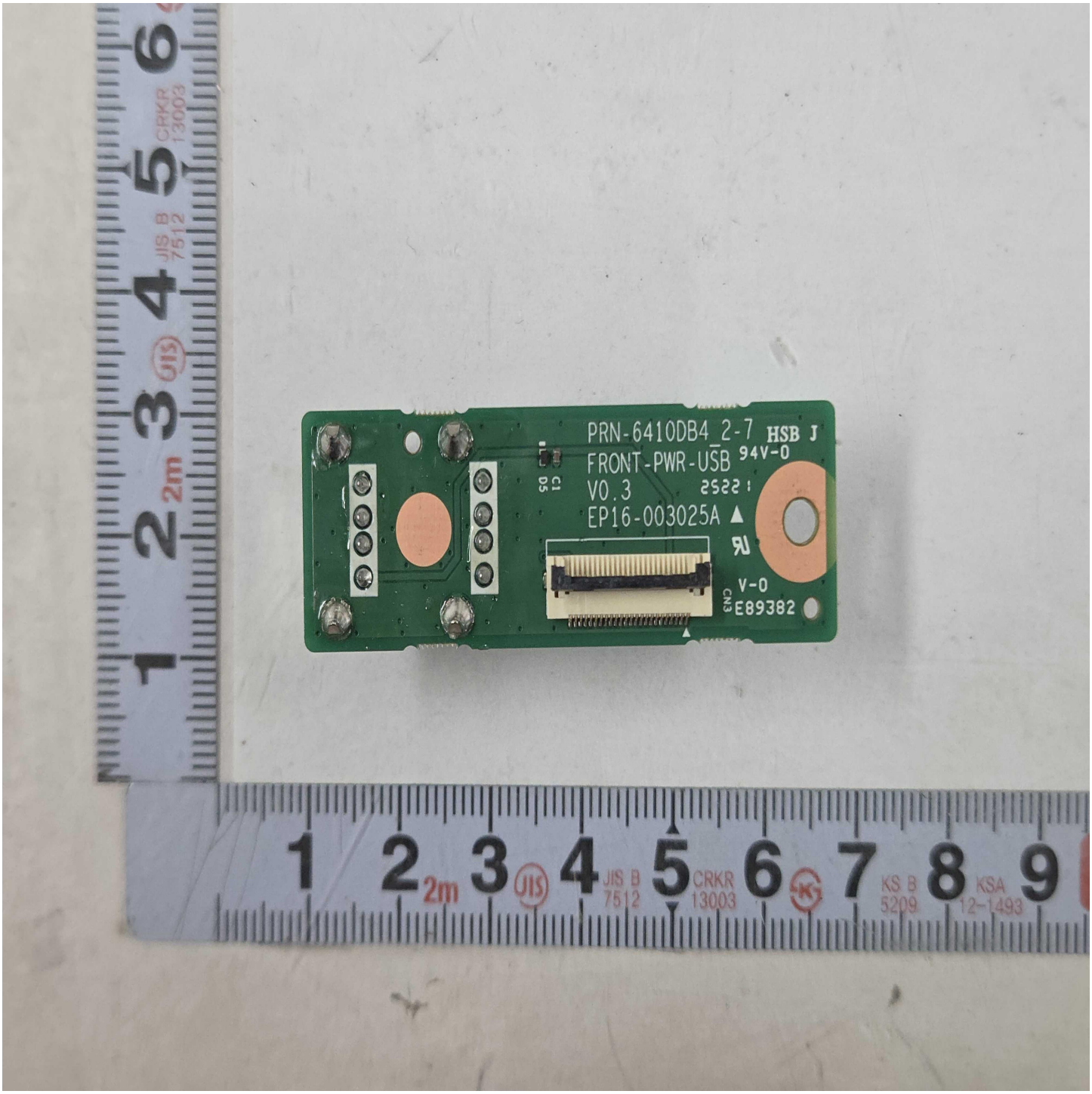
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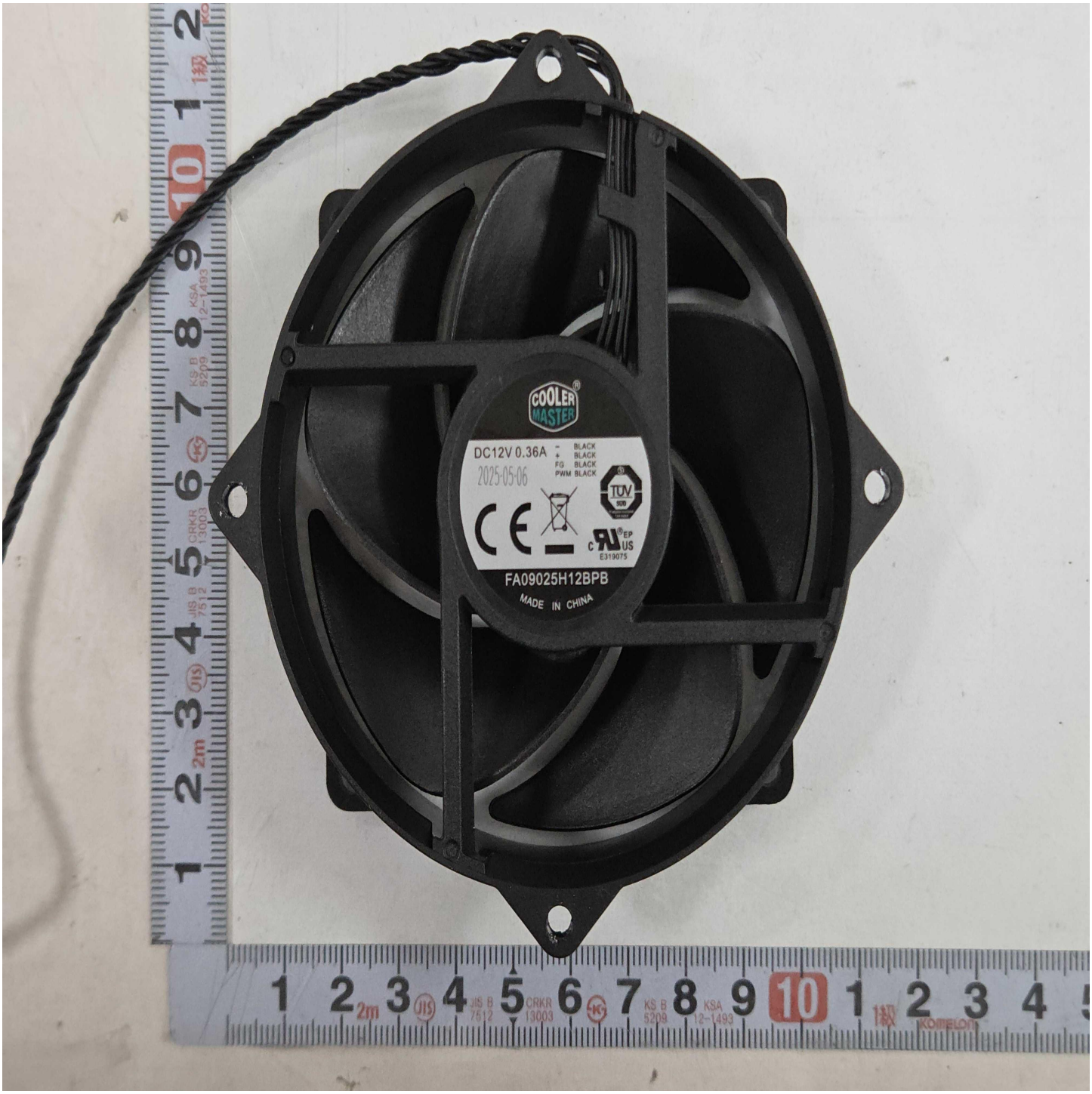
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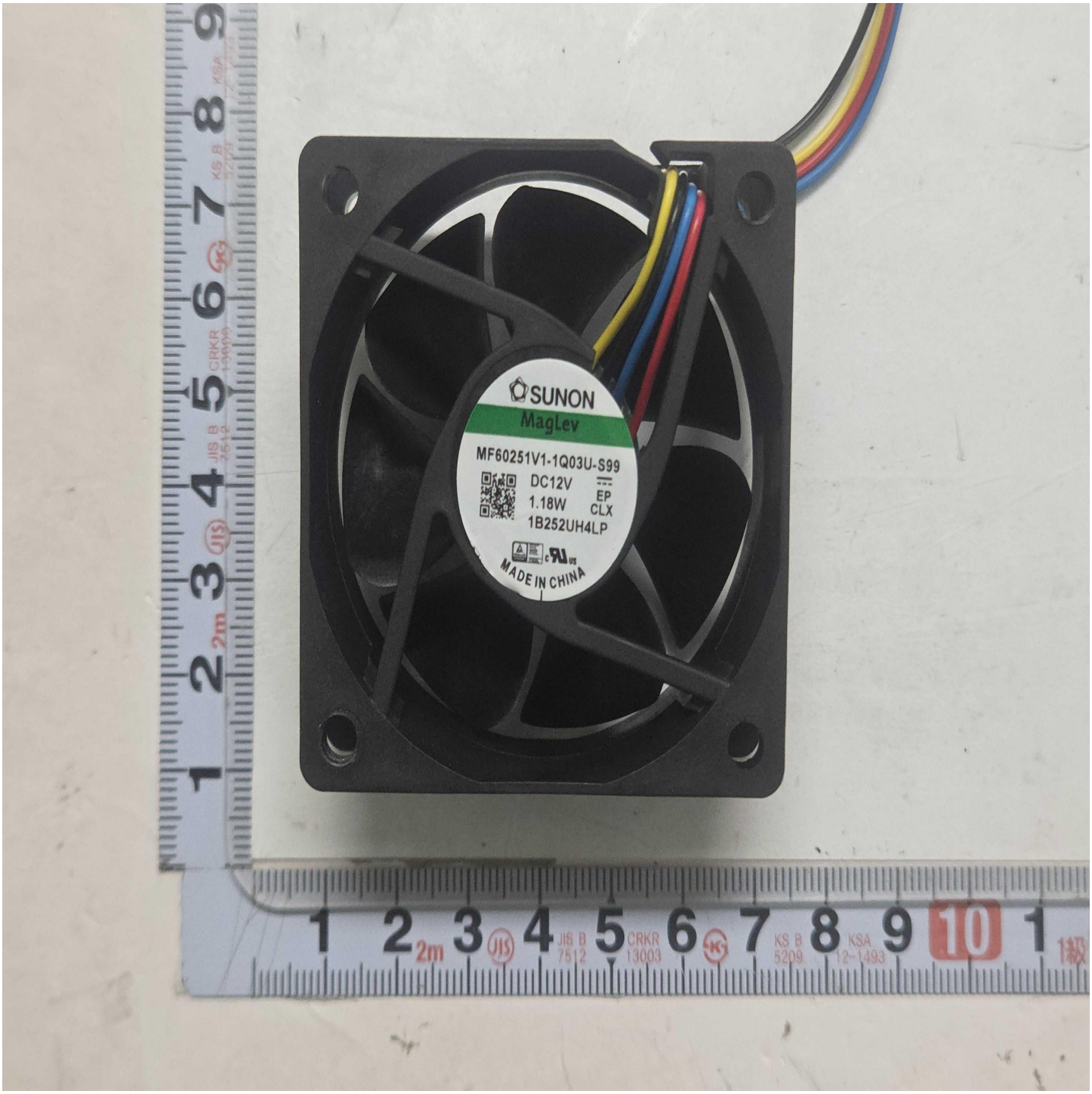
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Photographs-35 Page-1



Photographs-36 Page-1



Photographs-37 Page-1

