

1.0 Reference and Address			
Report Number	241231053GZU-001	Original Issued: 25-Feb-2025	Revised: 8-Apr-2026
Standard(s)	Furniture Power Distribution Units [UL 962A:2023 Ed.6] Cord Reels and Multi-outlet Assemblies [CSA C22.2#308:2018 Ed.2]		
Applicant	Dongguan baiyou electronic co.,ltd	Manufacturer 1	Dongguan baiyou electronic co.,ltd
Address	2 F A building wufeng industrial jintan road shijie town DONGGUAN CITY Guangdong 523295	Address	2 F A Building WuFeng Industrial JinTan Road ShiJie Town DongGuan City, GuangDong 523295
Country	China	Country	China
Contact	Yang Yongxin; Cherry Chen	Contact	Yang Yongxin; Cherry Chen
Phone	86 13556785659; 86 18002616618	Phone	86 13556785659; 86 18002616618
FAX	NA	FAX	NA
Email	baiyouyyx@163.com dgbaiyou@163.com	Email	baiyouyyx@163.com dgbaiyou@163.com

2.0 Product Description	
Product	Furniture Power Distribution Unit
Brand name	BAYU
Description	The product covered by this report is Furniture Power Distribution Unit, with one to six 5-15R receptacle outlets (not including cord connector), with/ without cord connector, with/without overcurrent protector, with a USB module, with SJT 14AWG cord or SJT/SPT-3 16AWGX3C cord, with/ without USB-A class 2 lead, with/ without DC class 2 lead.
Models	BAYU followed by -AS, -AQ or -AJ; followed by 01, 02, 03, 04, 05 or 06; may be followed by AA, AC or ACC; may be followed by 0524 or 1215; followed by -12A or -15A; may be followed by -K; may be followed by -AC, -DC or -USB.
Model Similarity	BAYU-AQ series, BAYU-AJ series and BAYU-AS series are only different from the USB module, number of receptacle outlets and Dimensions of enclosure, other things are exactly the same. BAYU-AJ series are suitable for USB modules 2, 4, 6, 8, 10, 12. BAYU-AQ series and BAYU-AS series are suitable for USB modules 1, 3, 5, 7, 9, 11. USB modules 1, 2, 3, 4, 9 and 10 have different output parameters and PCB layout, and the schematic diagram are the same. USB modules 5, 6, 7 and 8 have different output parameters and PCB layout, and the schematic diagram. USB modules 11 and 12 have different PCB layout, and the schematic diagram and output parameters are the same. USB class 2 lead/ DC class 2 lead (if any) is directly powered from the USB-A of the USB module. Other refer to Section 7 Illustration 1,2.
Ratings	125V, 60Hz, 15A, Max 1875W 125V, 60Hz, 12A, Max 1500W

2.0 Product Description

Other Ratings	USB class 2 lead/ DC class 2 lead: 5Vdc 2.4A or 5Vdc 3A (Consistent with the USB-A output of the USB module below.) USB module 1/2 (2A): USB-A/ total: 5Vdc2.4A USB module 3/4 (1A+1C): USB-A/USB-C/ total: 5Vdc2.4A USB module 5/6 (1A+1C): USB-A: 5Vdc3A USB-C: 5Vdc3A, 9Vdc2.22A, 12Vdc1.67A USB-A+-C: 5Vdc 3A USB module 7/8 (1A+1C): USB-A: 5Vdc3A, 9Vdc2A, 12Vdc1.5A USB-C: 5Vdc3A, 9Vdc2.22A, 12Vdc1.67A USB-A+-C: 5Vdc 3A USB module 9/10 (1A+2C): USB-A/ USB-C/ total: 5Vdc2.4A USB module 11/12 (1A+2C): USB-A: 5Vdc3A, 9Vdc2A, 12Vdc1.5A USB-C1/ USB-C2: 5Vdc3A, 9Vdc2.22A, 12Vdc1.67A (USB-C1 + USB-C2)/ (USB-C1 + UBS-A)/ (USB-C2 + USB-A)/ (USB-C1 + USB-C2 + USB-A): 5Vdc3A
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3.0 Product Photographs

Photo 1 - External view of BAYU-AJ04AC1215-12A-K.

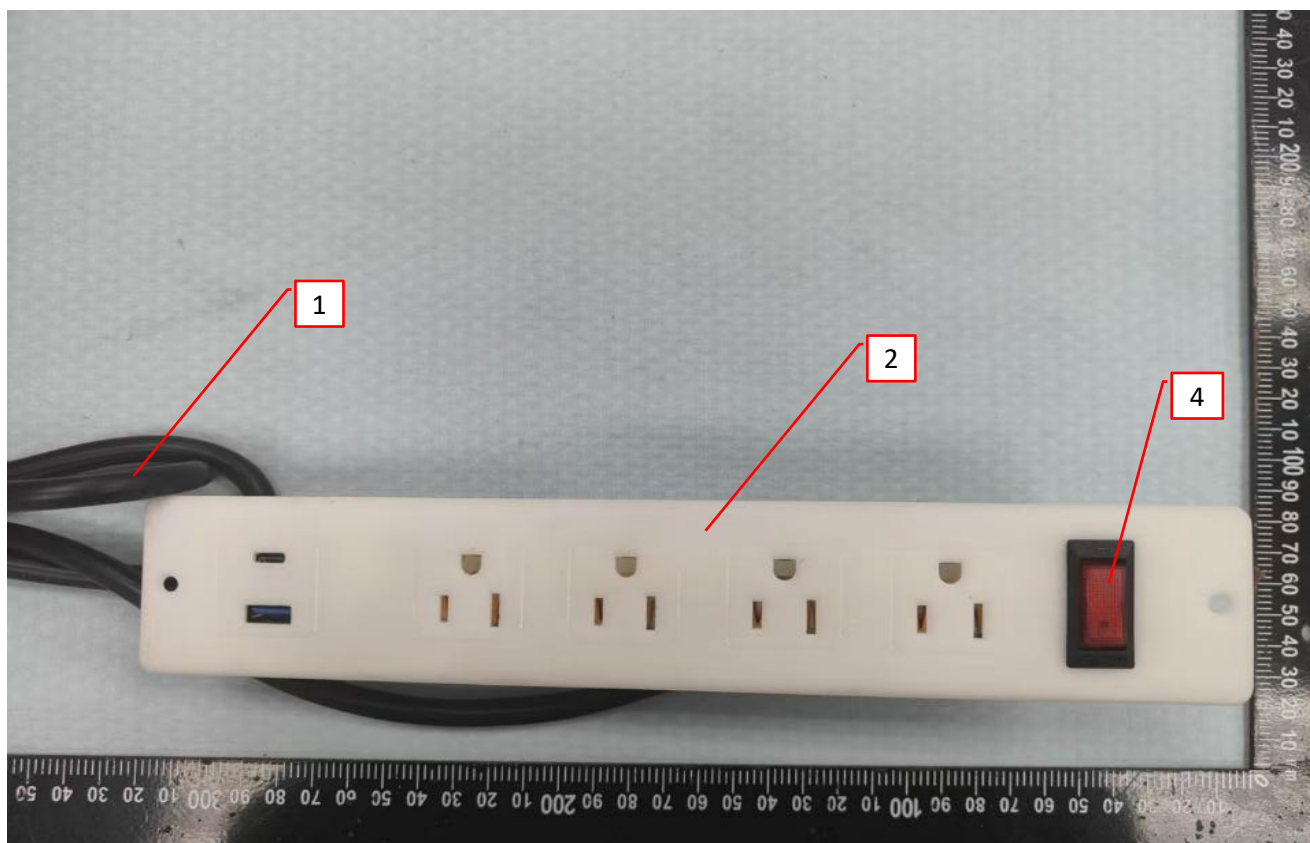
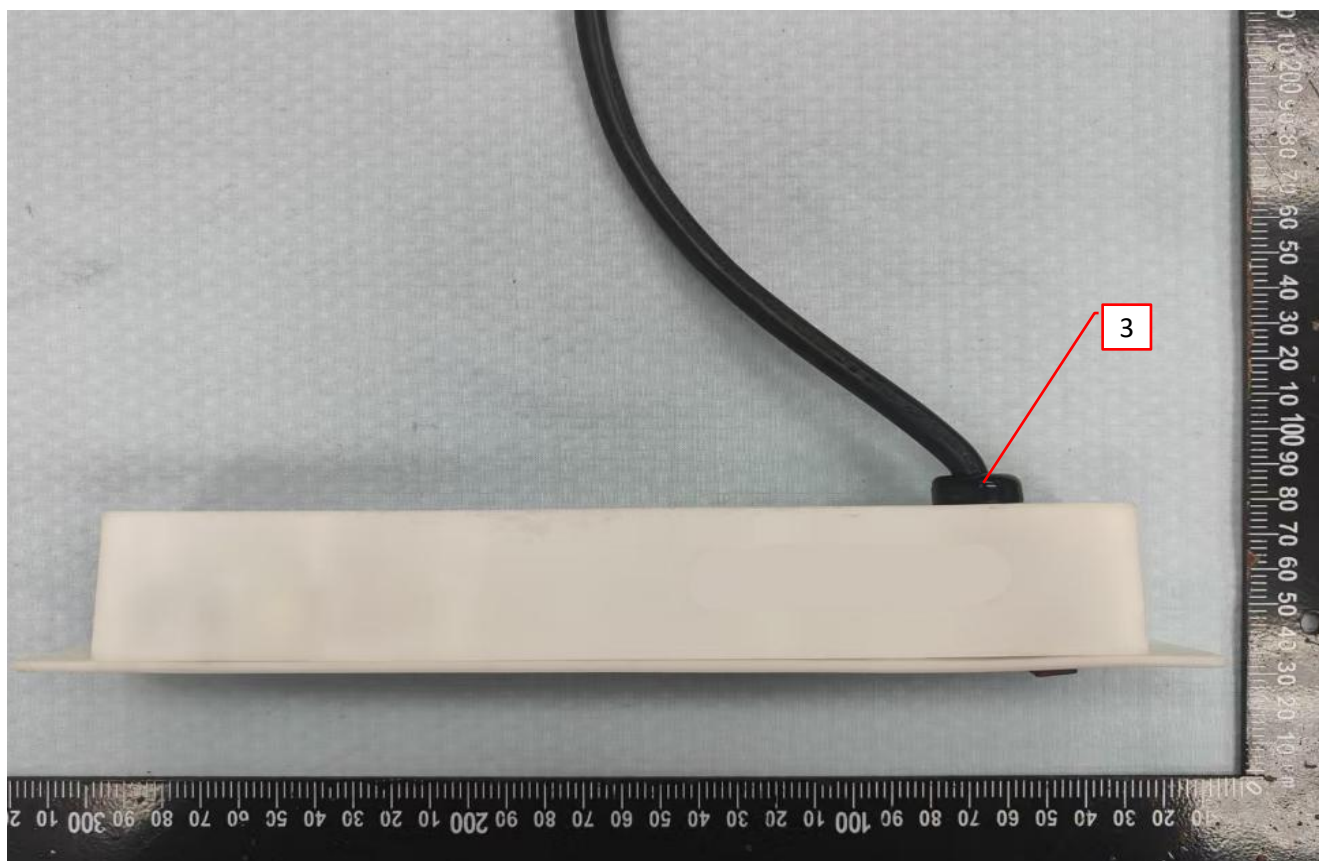


Photo 2 - External view of BAYU-AJ04AC1215-12A-K

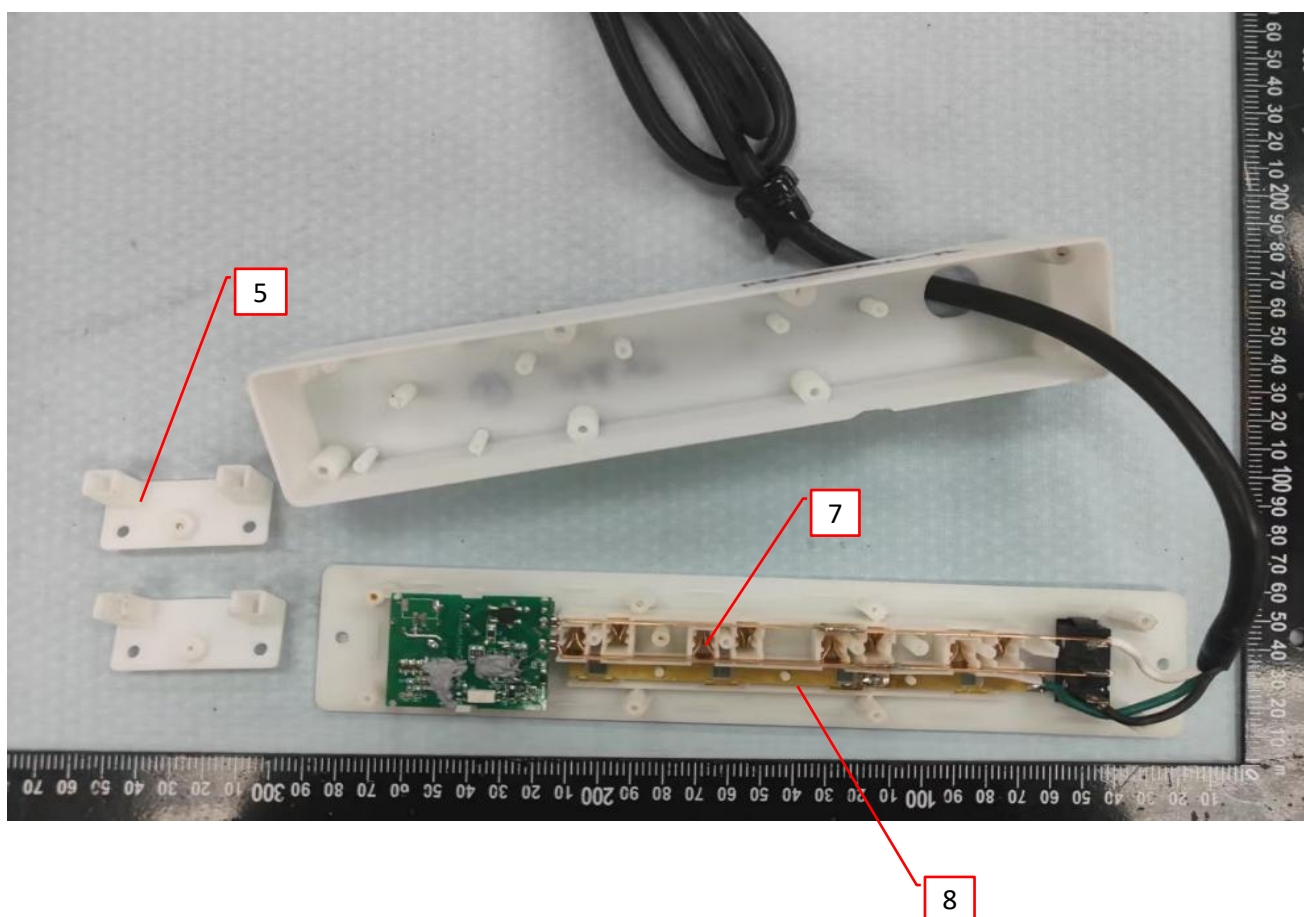


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Photo 3 - Internal view of BAYU-AJ04AC1215-12A-K



Photo 4 - Internal view of BAYU-AJ04AC1215-12A-K

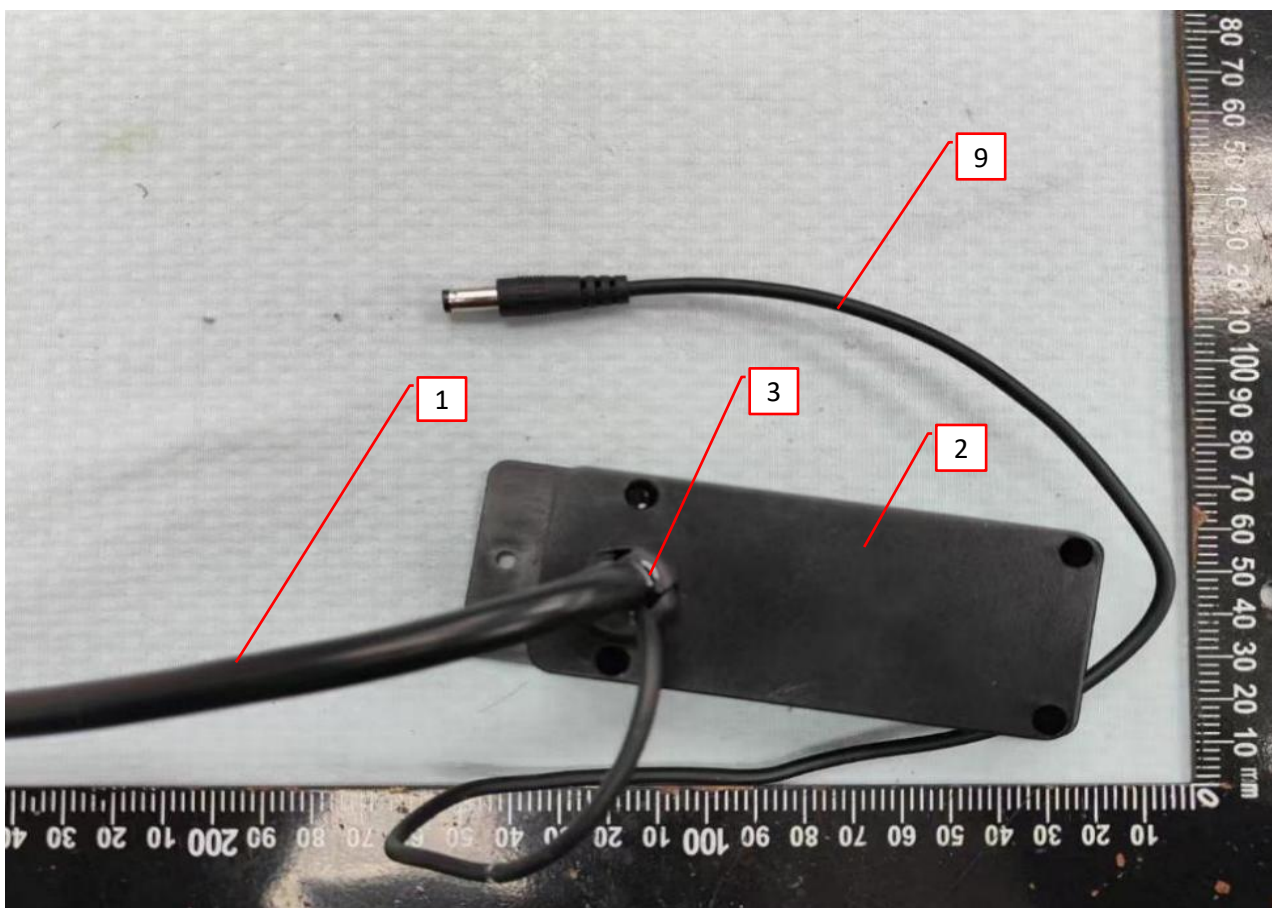


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Photo 5 - External view of BAYU-AQ02AC0524-12A-DC.



Photo 6 - External view of BAYU-AQ02AC0524-12A-DC.



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Photo 7 - Internal view of BAYU-AQ02AC0524-12A-DC.

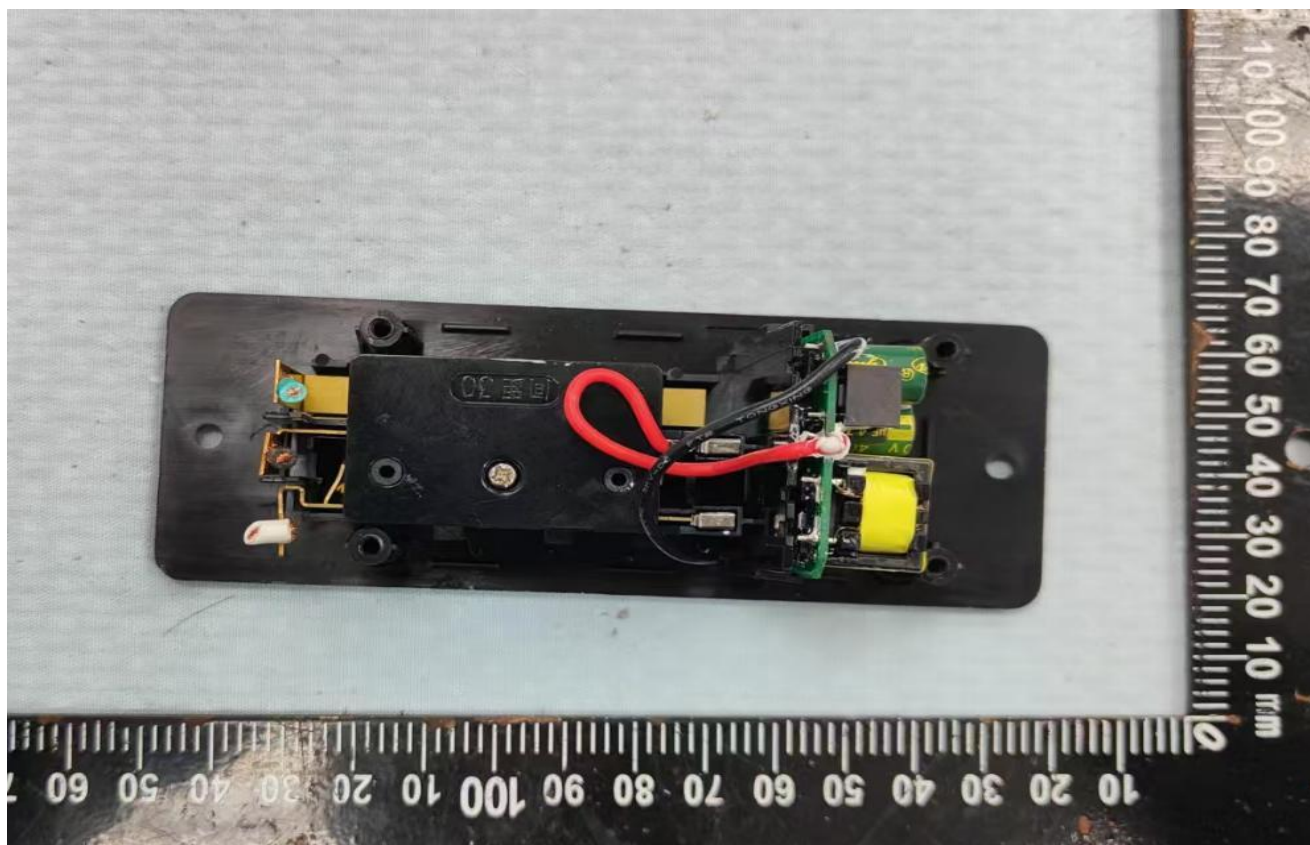
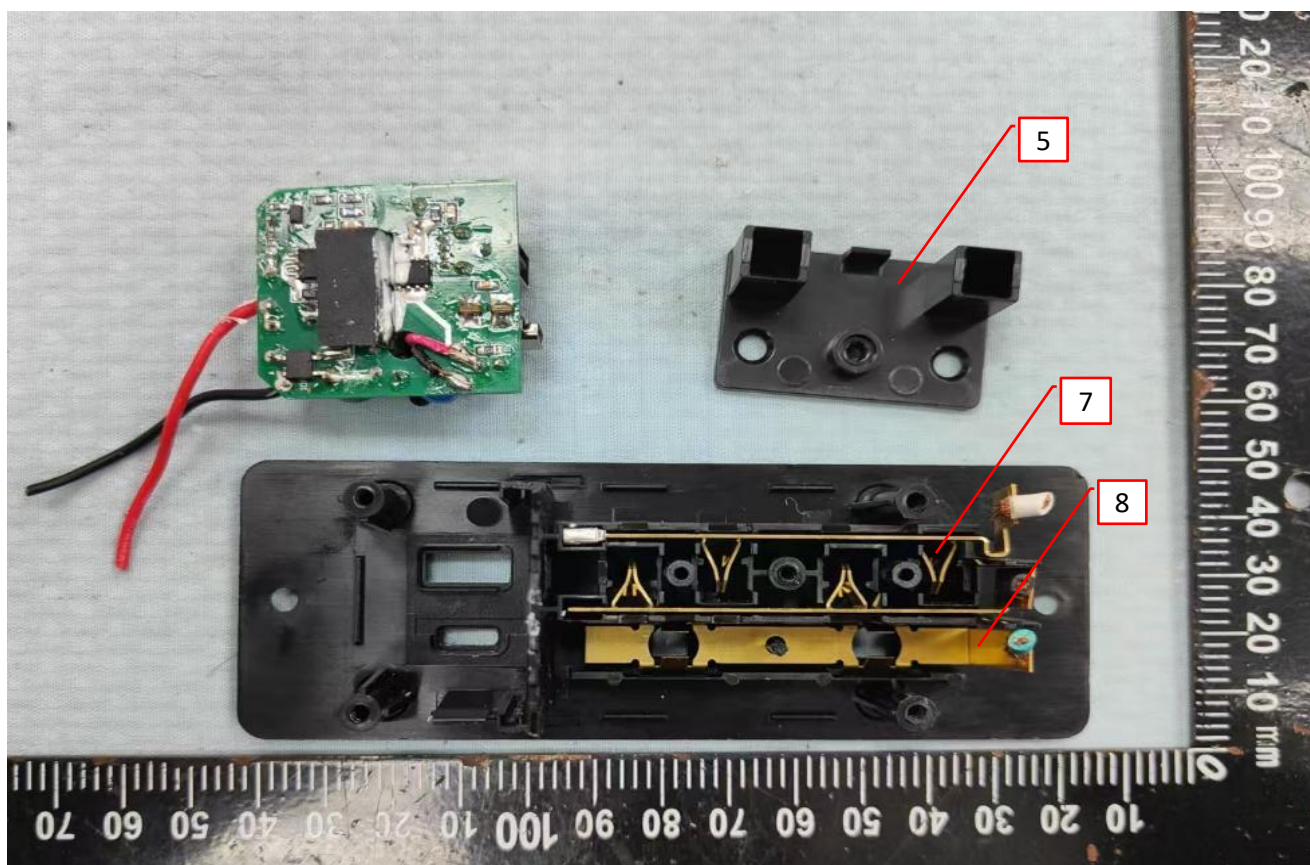


Photo 8 - Internal view of BAYU-AQ02AC0524-12A-DC.

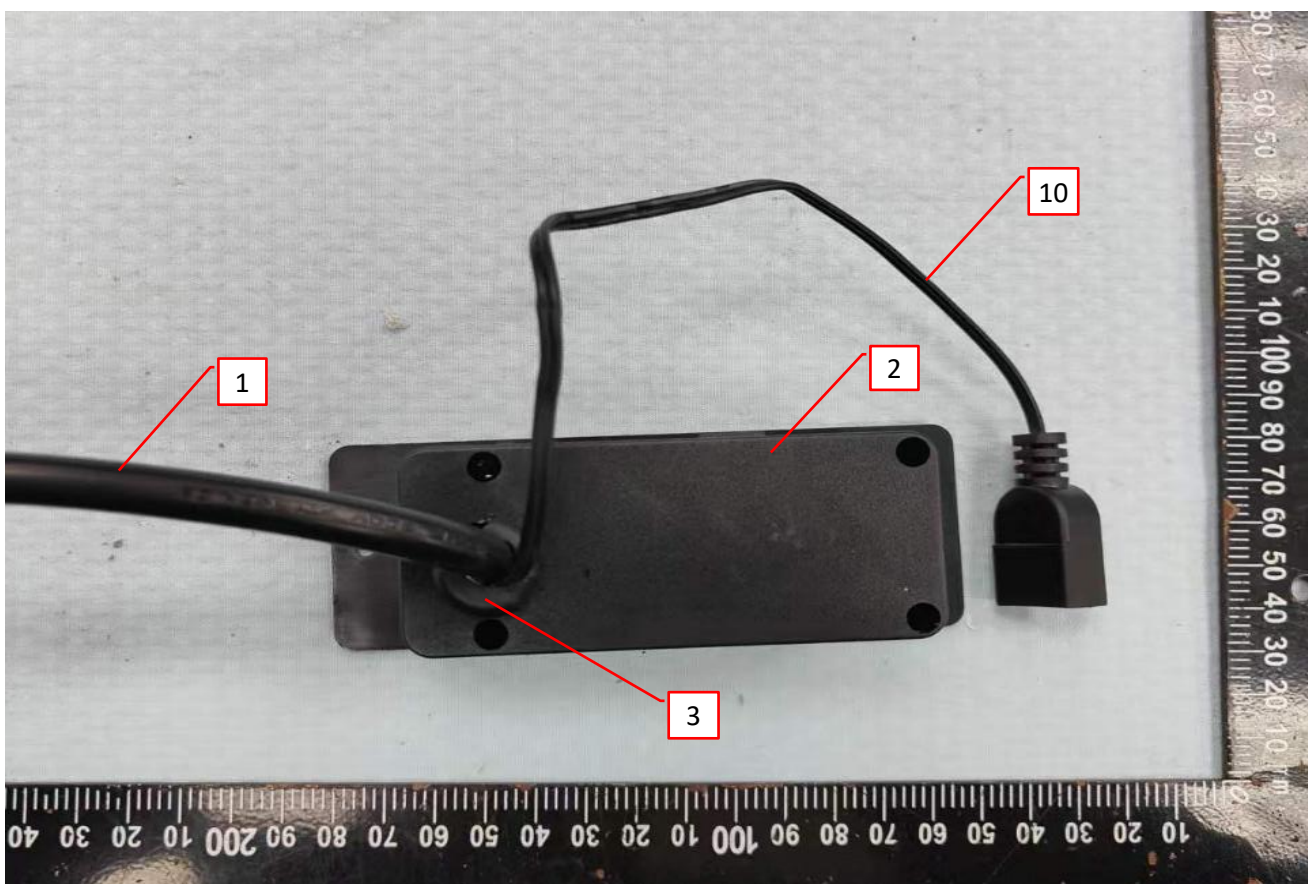


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Photo 9 - External view of BAYU-AQ02AA0524-12A-USB.



Photo 10 - External view of BAYU-AQ02AA0524-12A-USB.



3.0 Product Photographs

Photo 11 - Internal view of BAYU-AQ02AA0524-12A-USB.

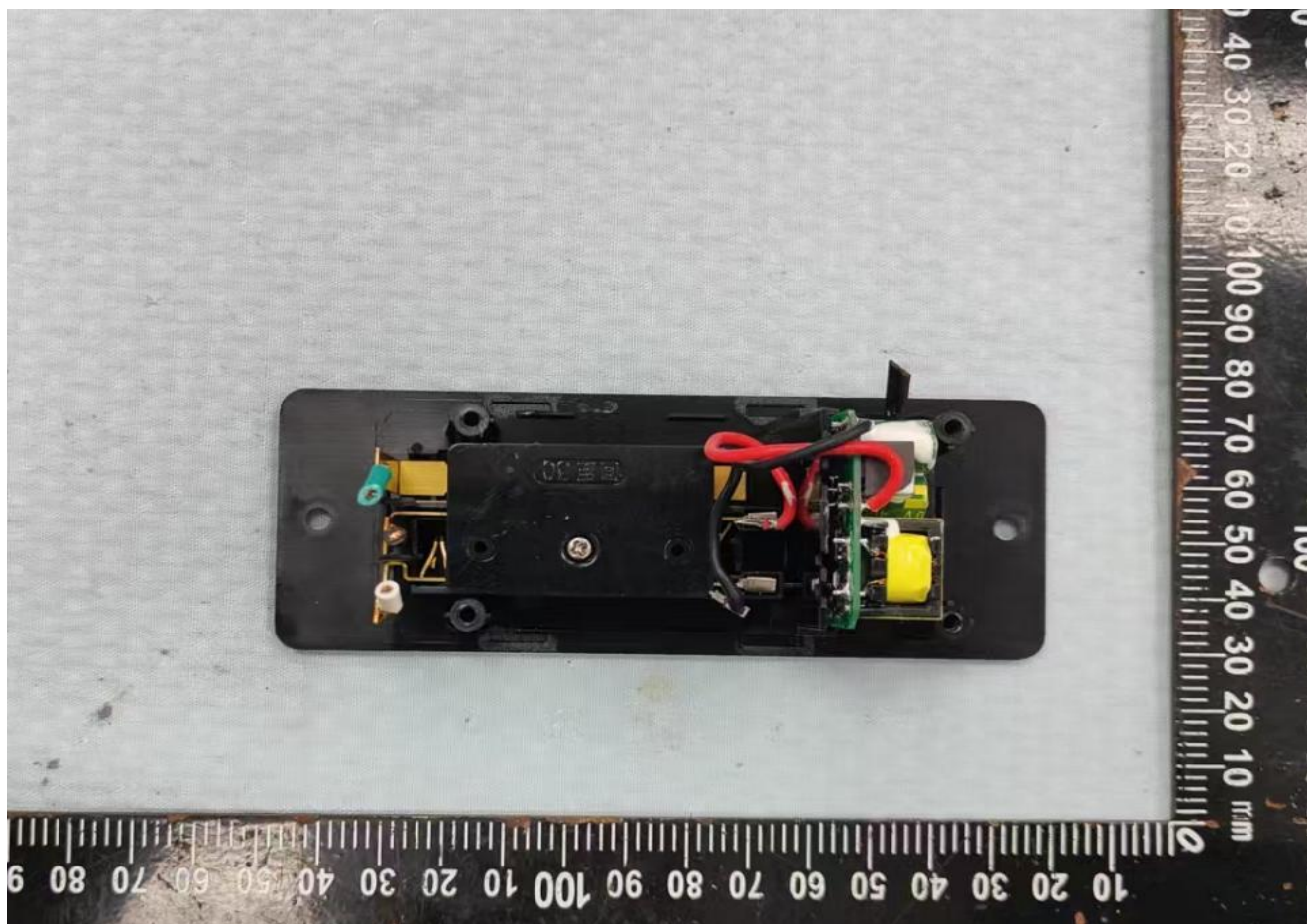
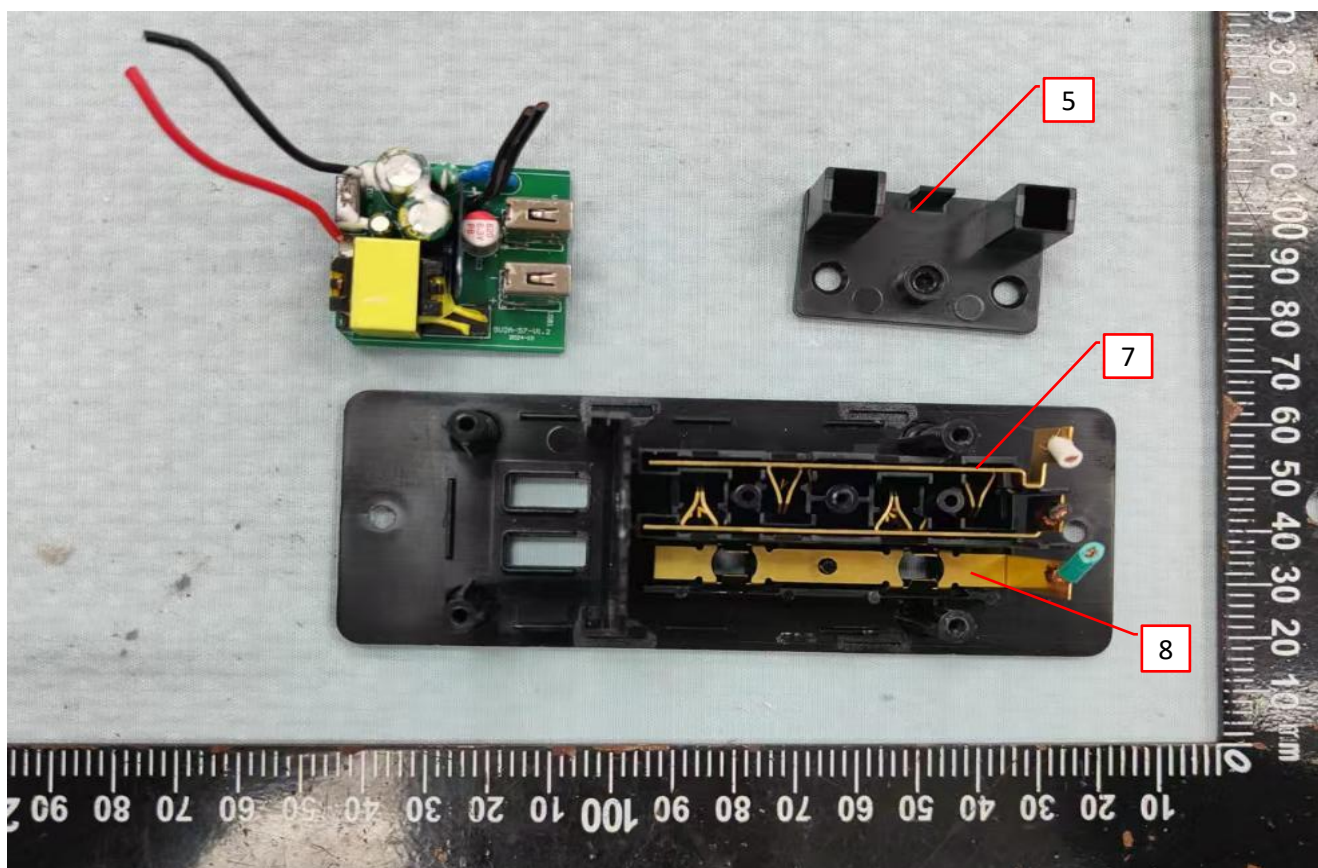


Photo 12 - Internal view of BAYU-AQ02AA0524-12A-USB.

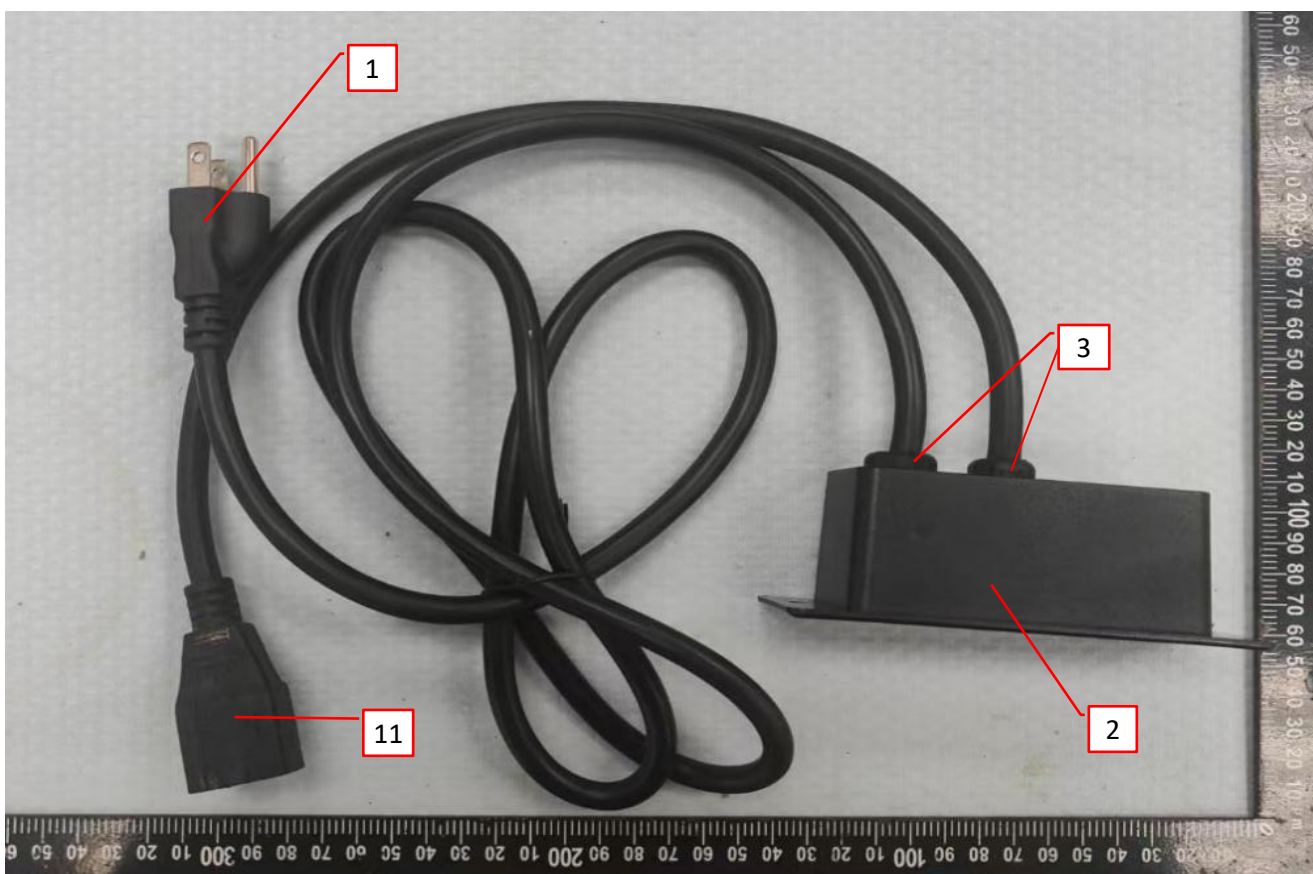


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Photo 13 - External view of BAYU-AQ02AA0524-12A-AC.



Photo 14 - External view of BAYU-AQ02AA0524-12A-AC.

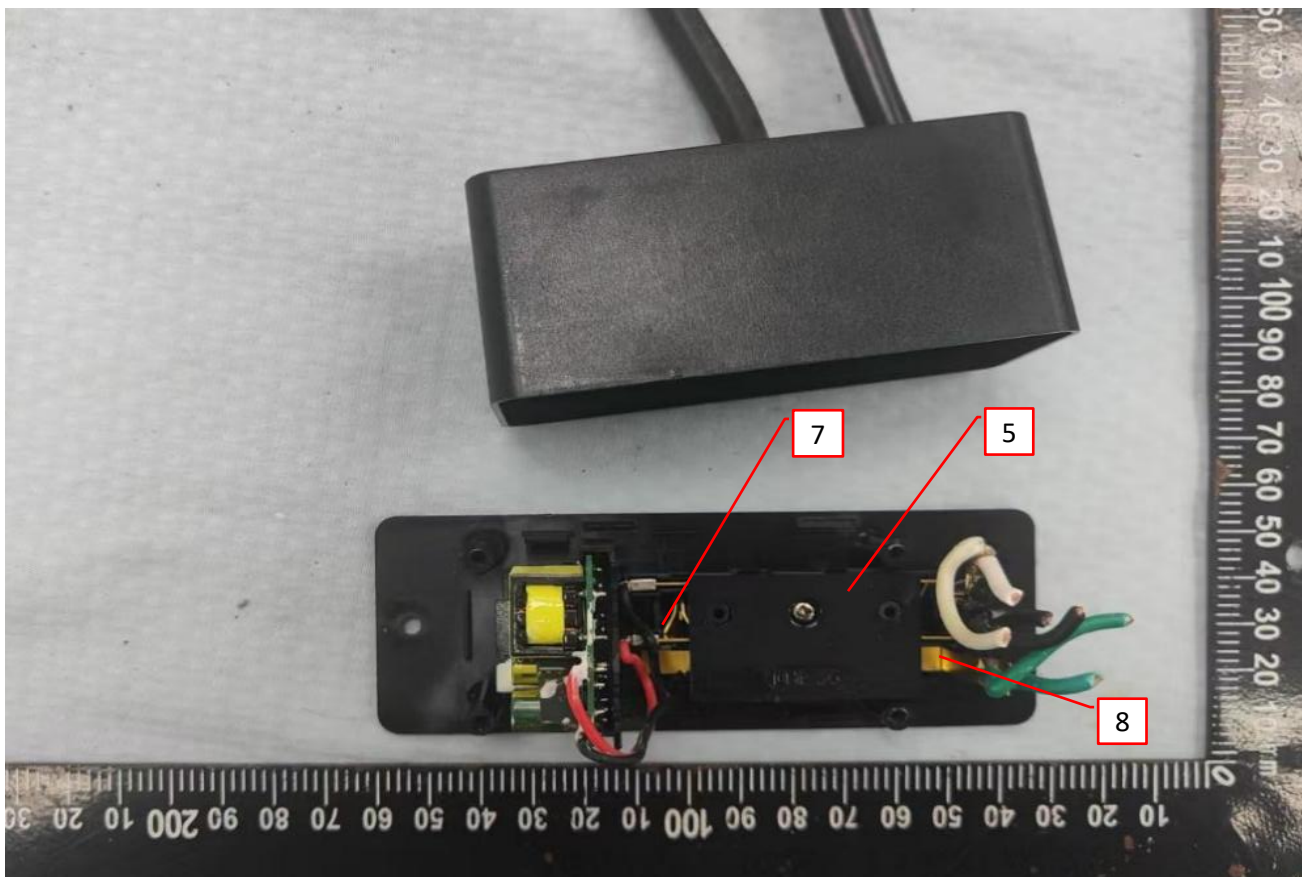


3.0 Product Photographs

Photo 15 - External view of BAYU-AQ02AA0524-12A-AC.



Photo 16 - External view of BAYU-AQ02AA0524-12A-AC.



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Photo 17 - External view of BAYU-AQ01 series.

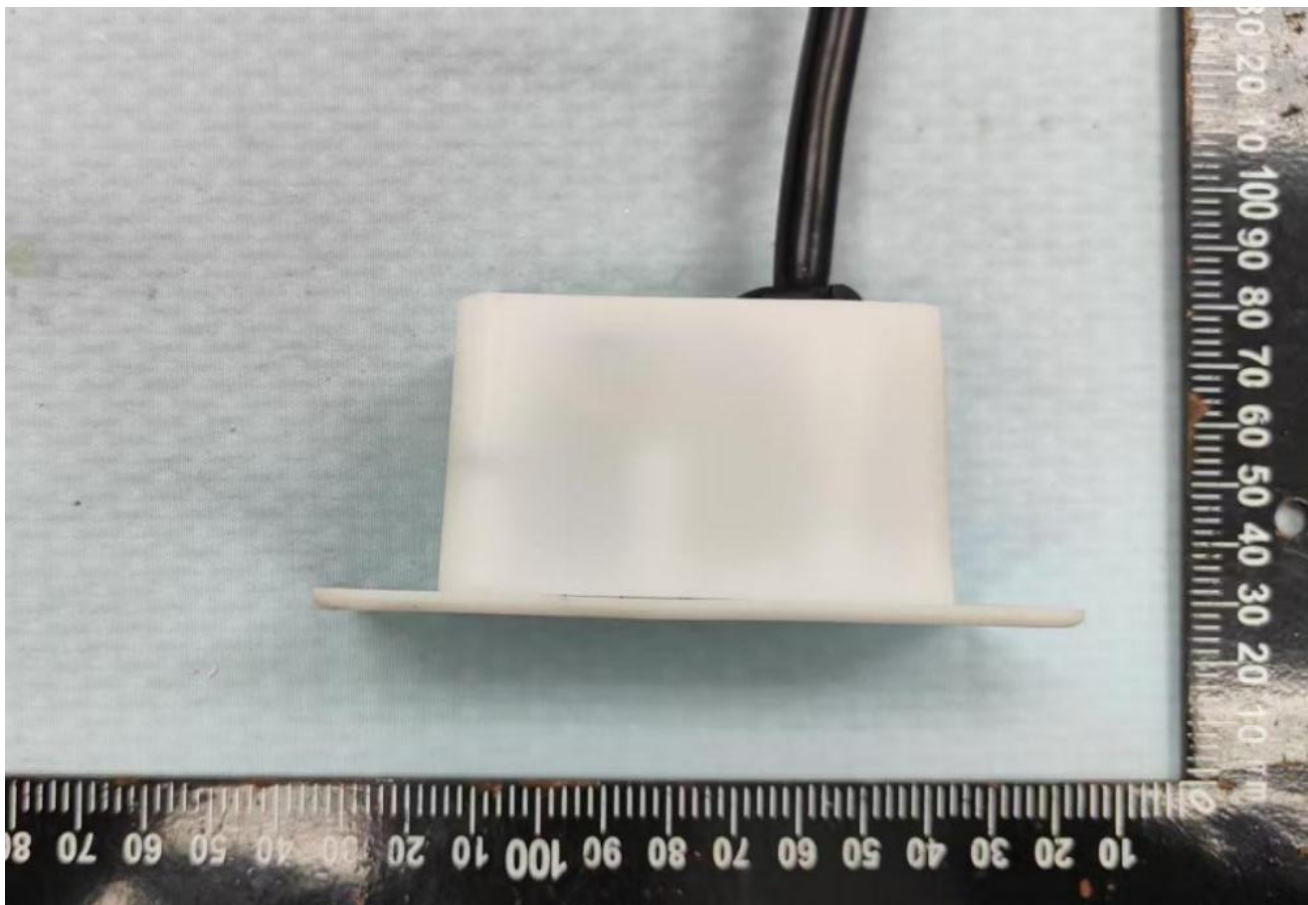
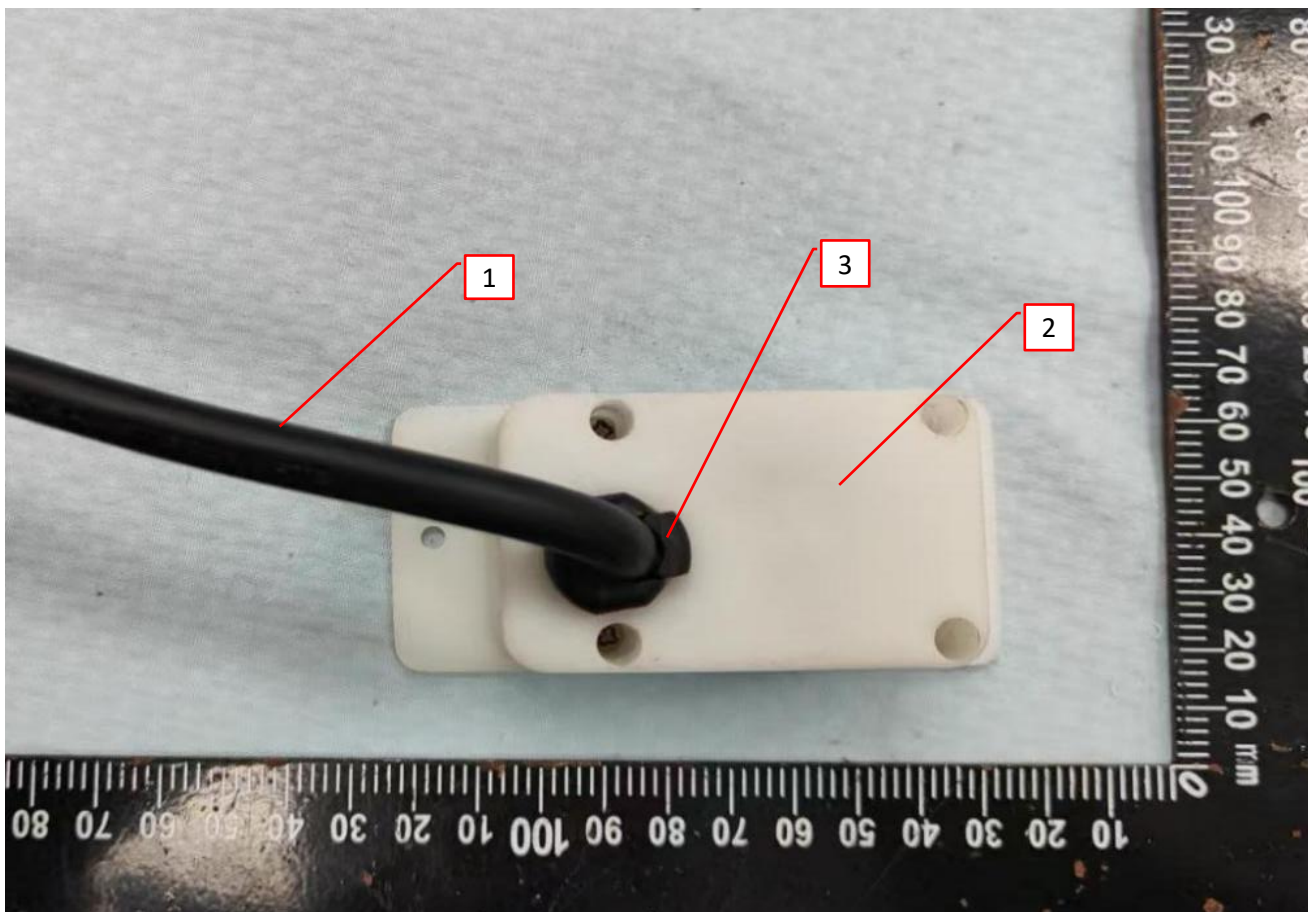


Photo 18 - External view of BAYU-AQ01 series.



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Photo 19 - External view of BAYU-AQ01AC1215-12A.

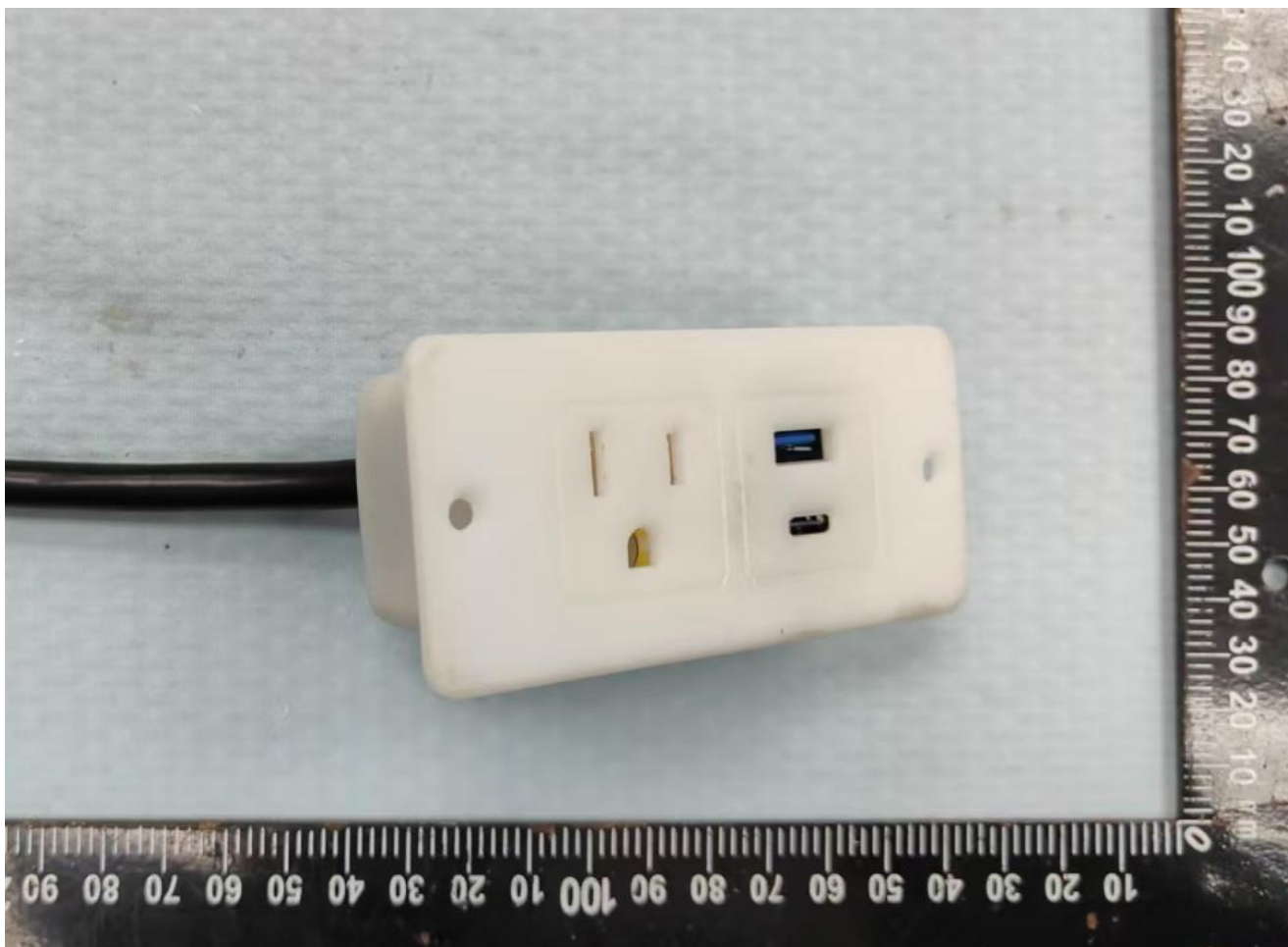
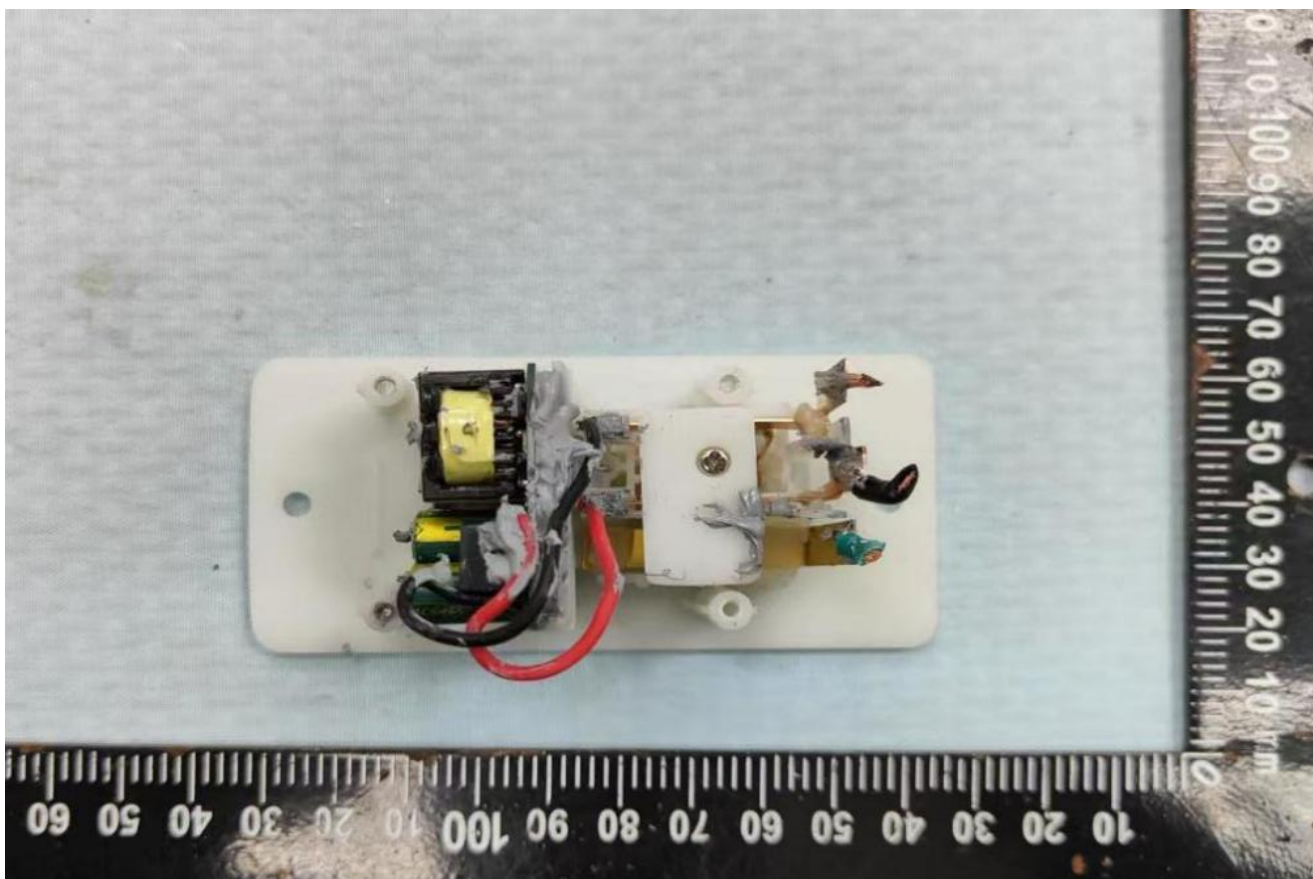


Photo 20 - Internal view of BAYU-AQ01AC1215-12A.



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Photo 21 - Internal view of BAYU-AQ01AC1215-12A.

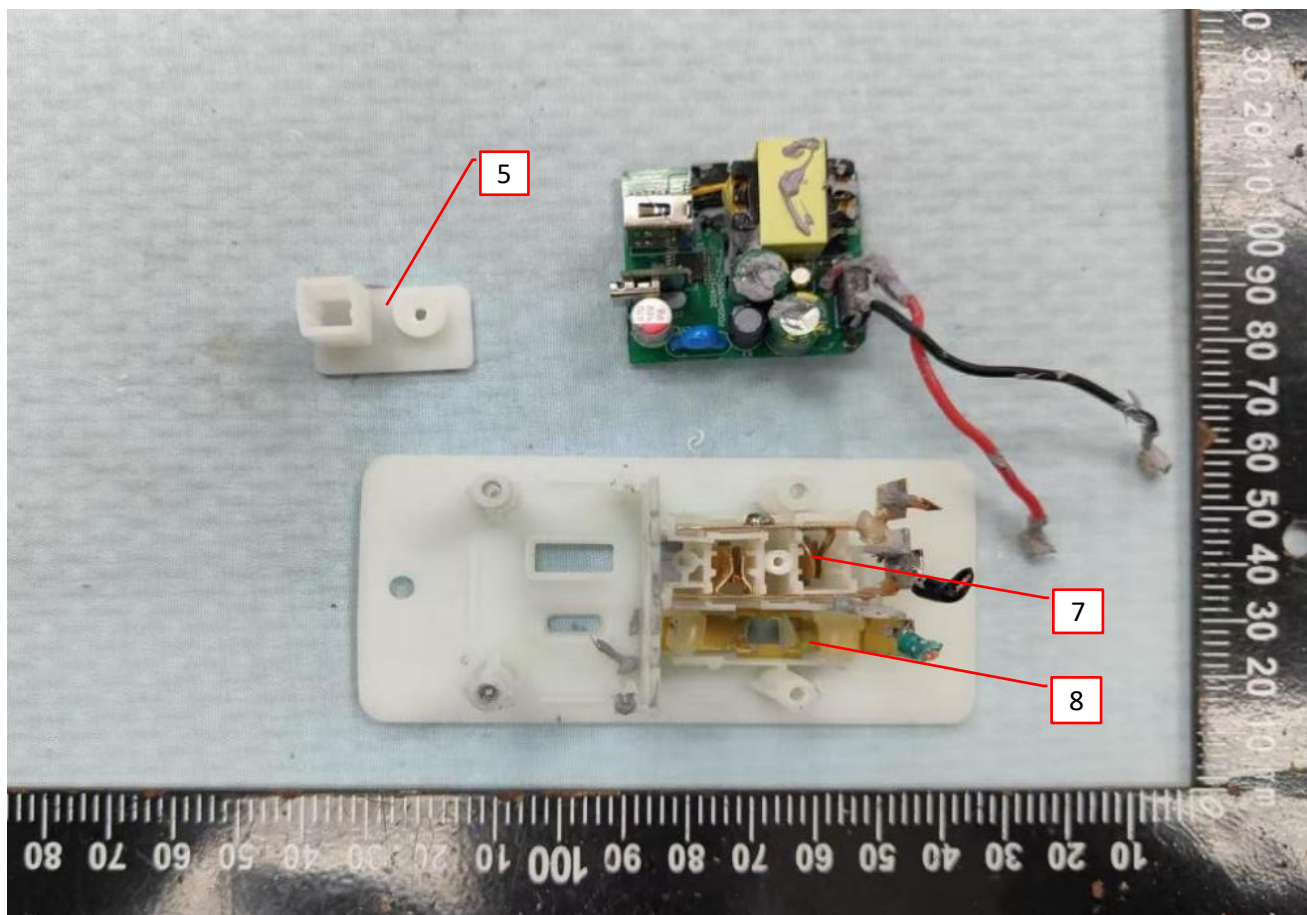
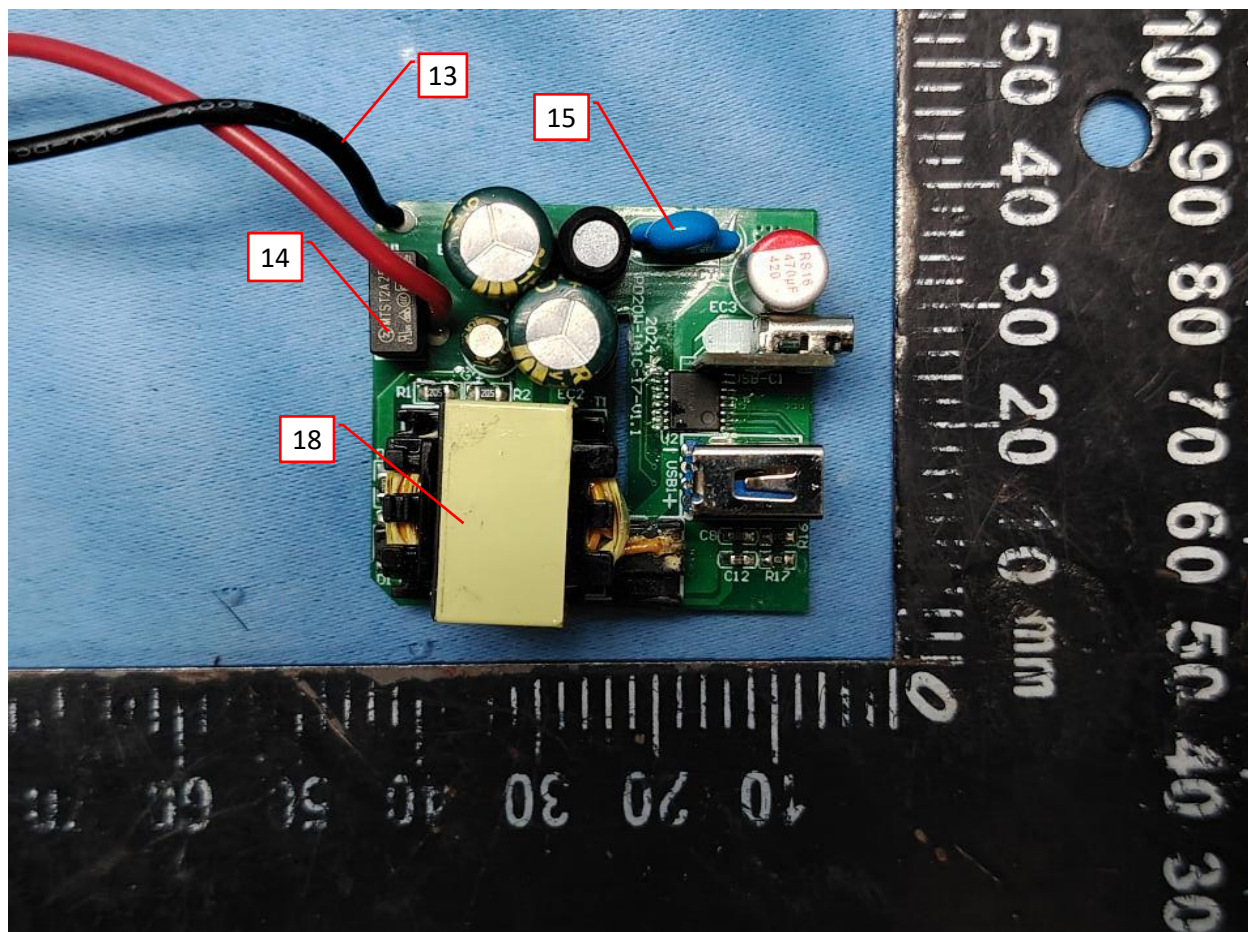


Photo 22 - Internal view of BAYU-AQ01AC1215-12A. (USB module 7 also represents USB module 5)



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Photo 23 - Internal view of BAYU-AQ01AC1215-12A. (USB module 7 also represents USB module 5)

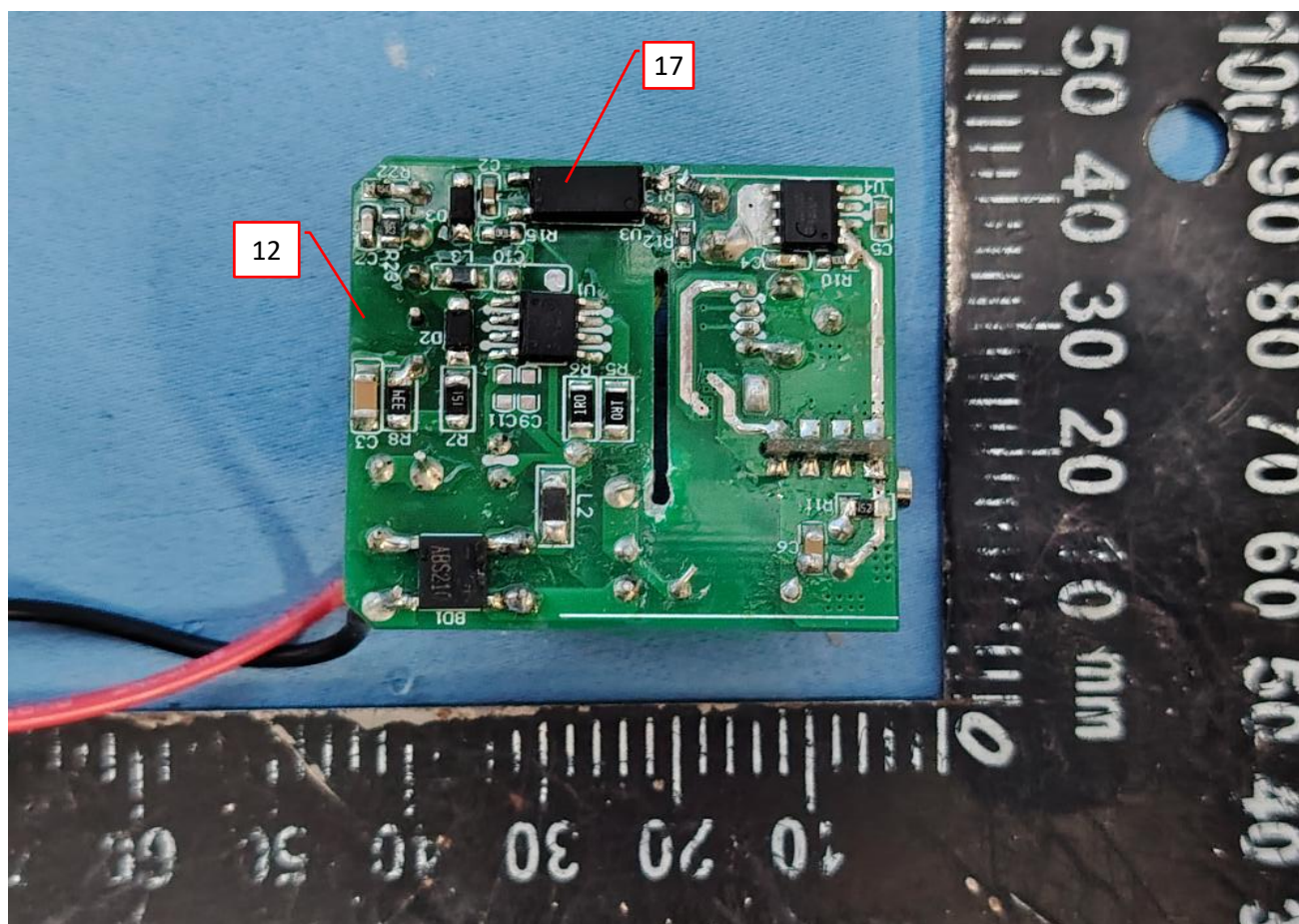


Photo 24 - External view of BAYU-AQ01AC0524-12A.



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Photo 25 - Internal view of BAYU-AQ01AC0524-12A.

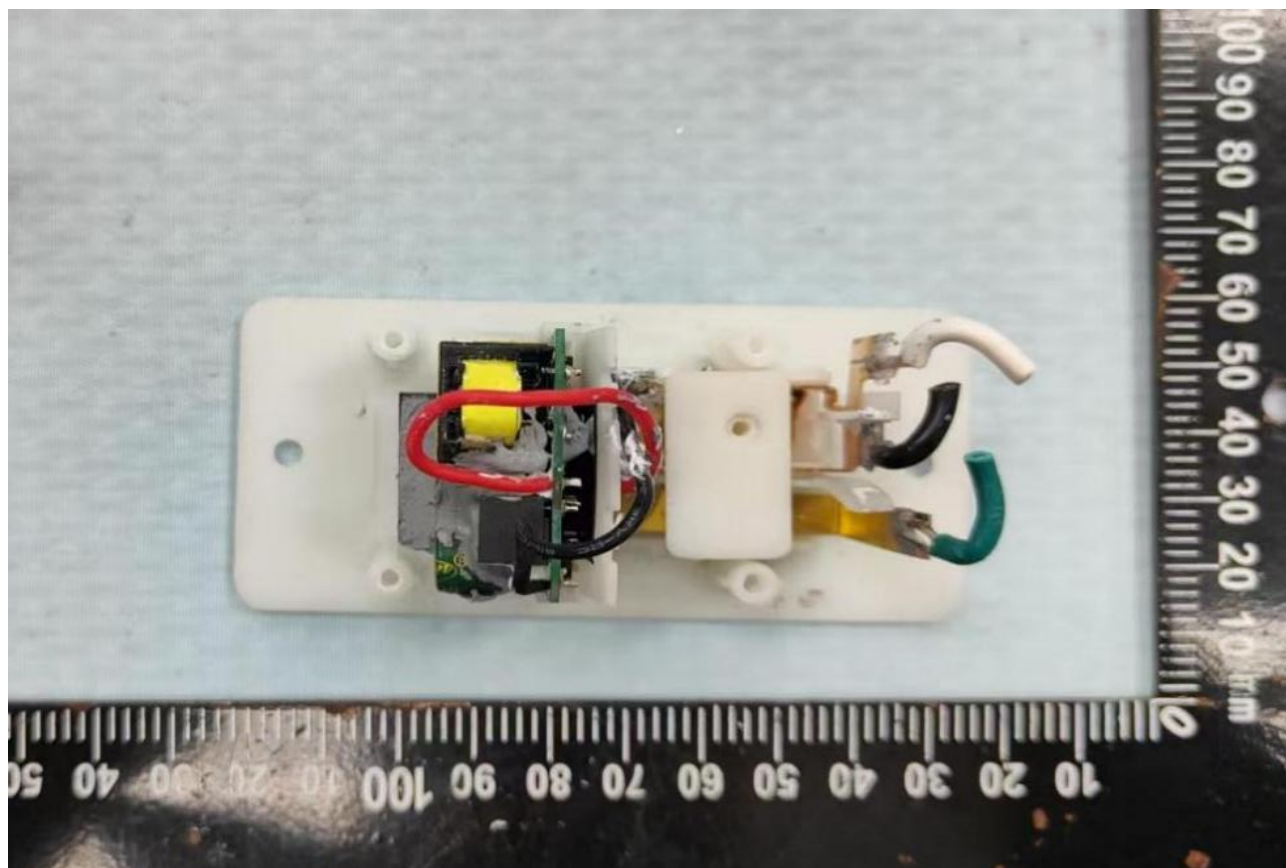
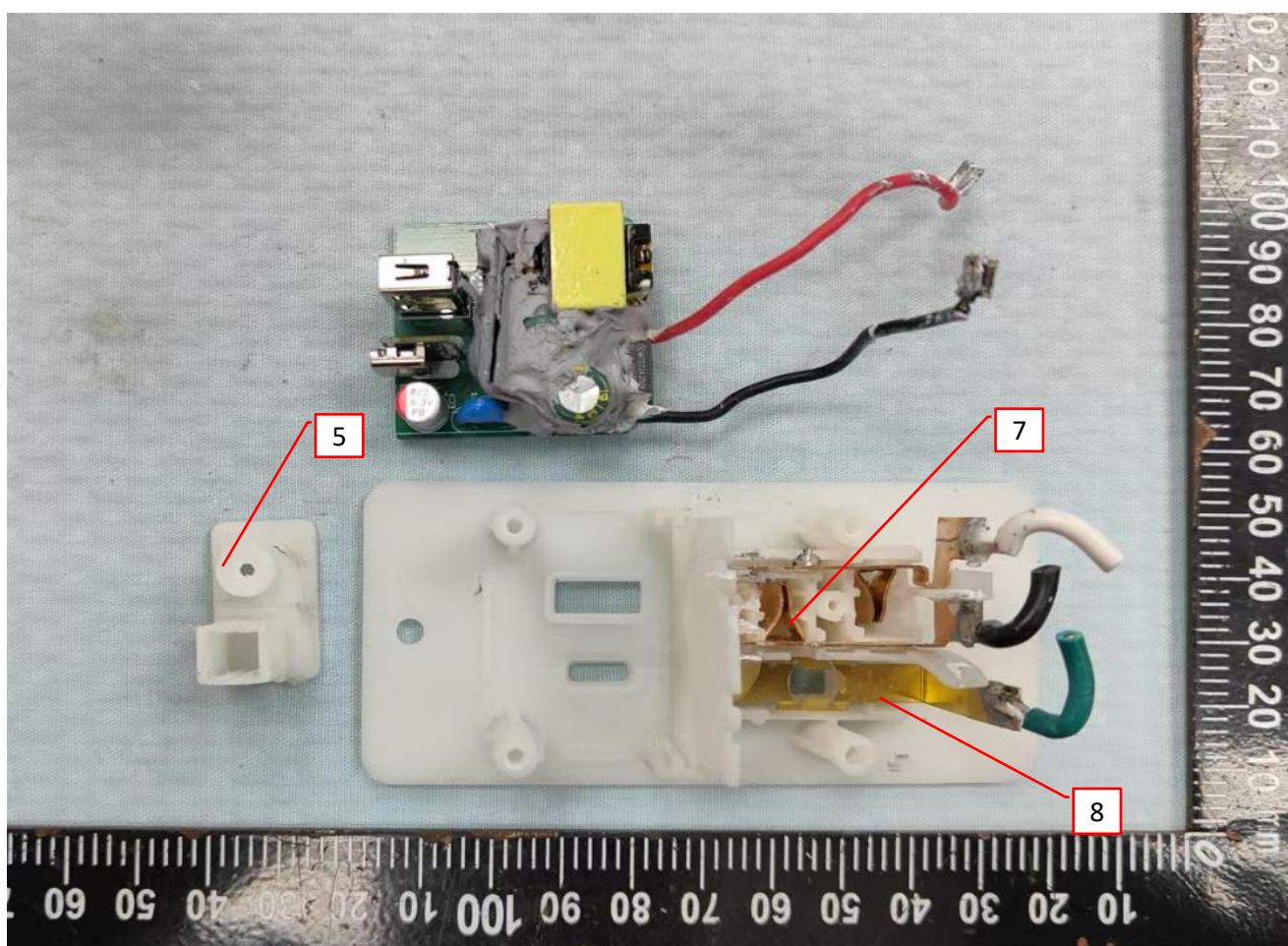


Photo 26 - Internal view of BAYU-AQ01AC0524-12A.



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Photo 27 - Internal view of BAYU-AQ01AC0524-12A (USB module 3).

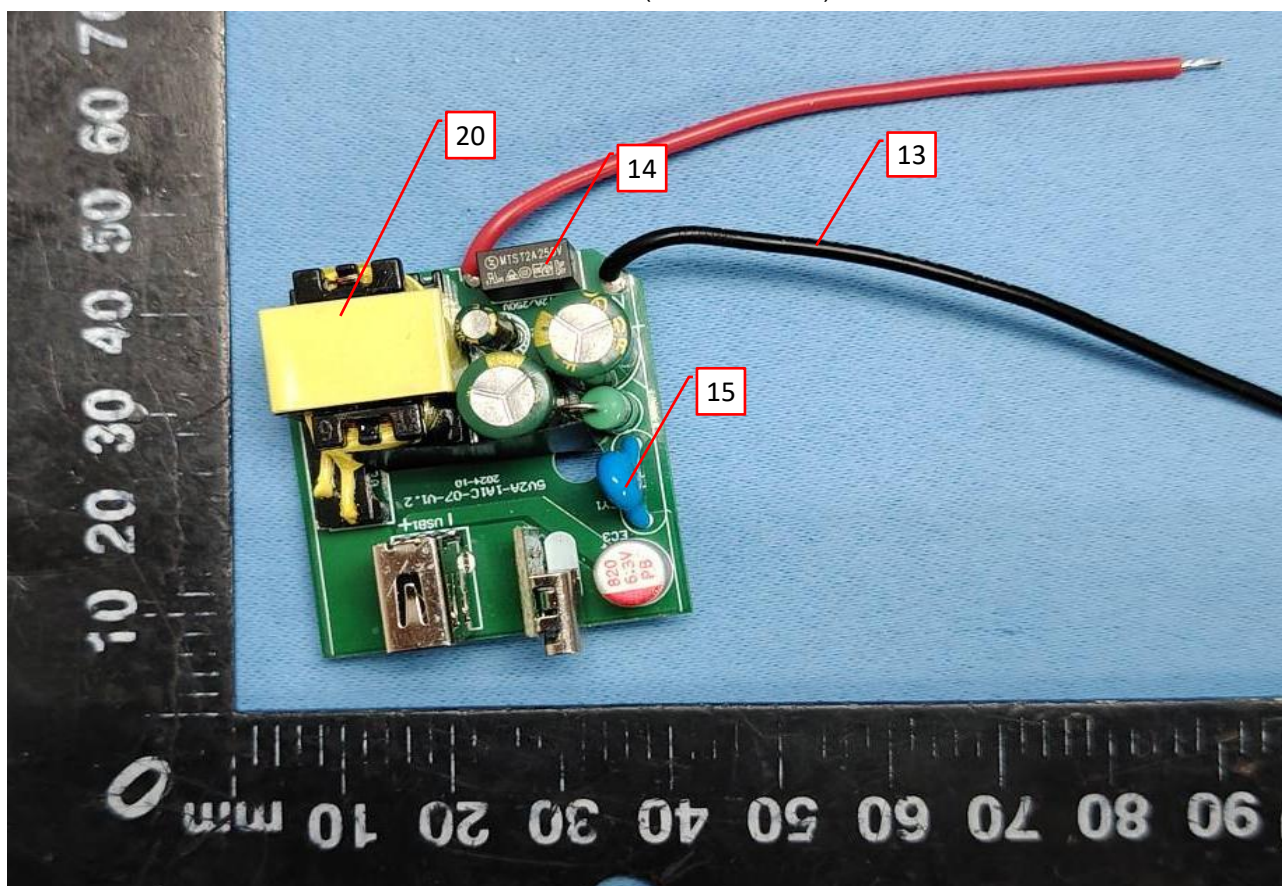
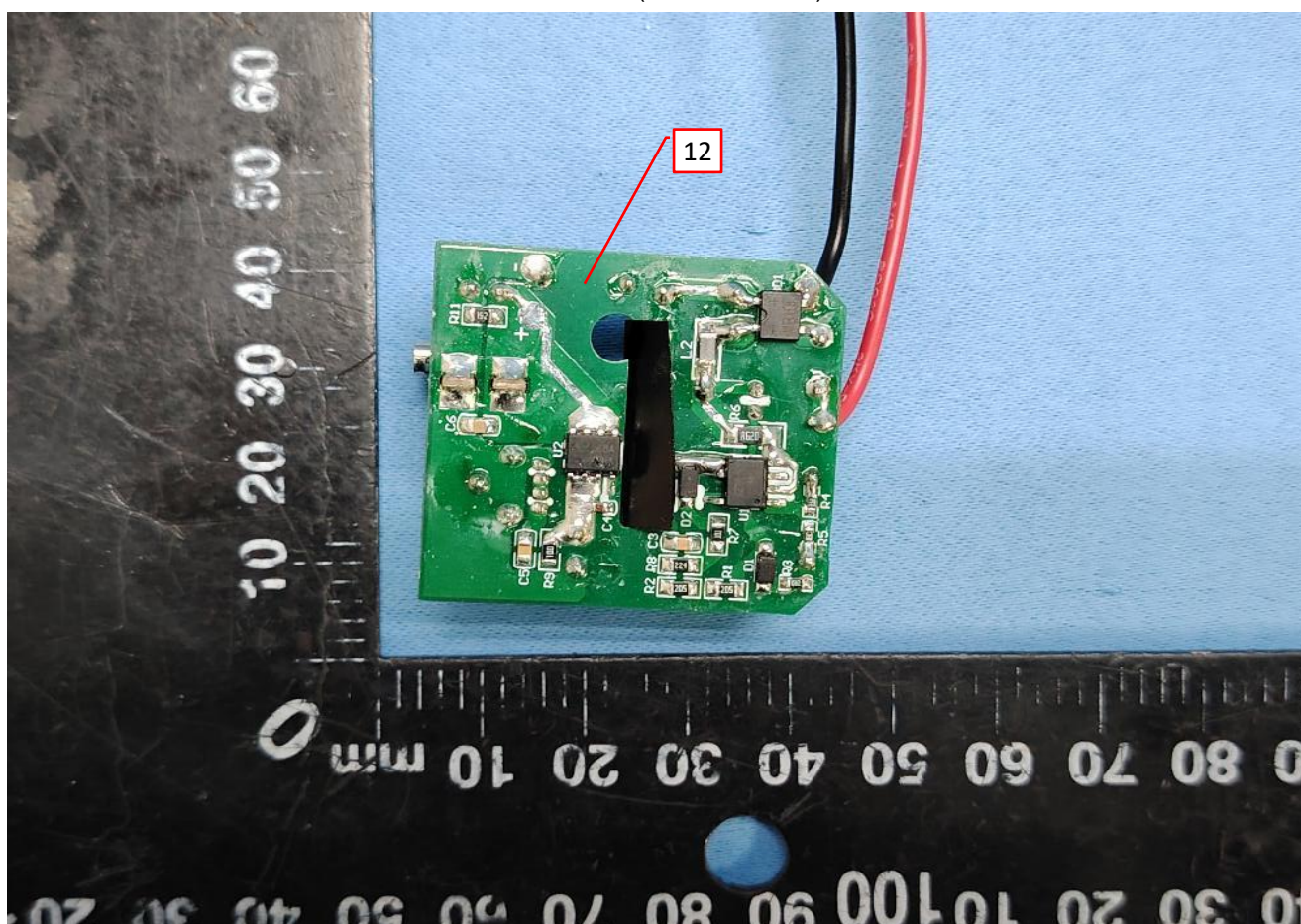


Photo 28 - Internal view of BAYU-AQ01AC0524-12A (USB module 3).

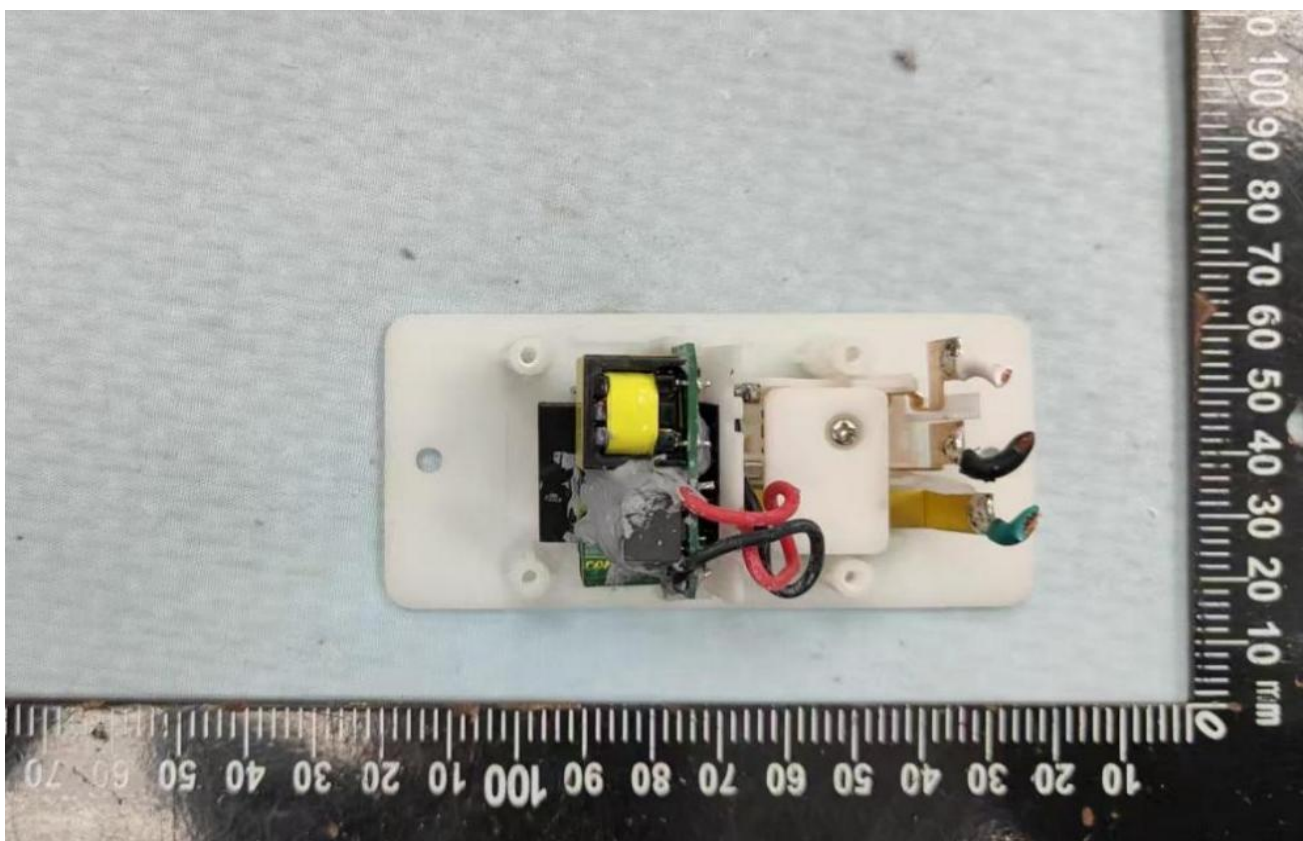


3.0 Product Photographs

Photo 29 - External view of BAYU-AQ01ACC0524-12A.



Photo 30 - Internal view of BAYU-AQ01ACC0524-12A.



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Photo 31 - Internal view of BAYU-AQ01ACC0524-12A.

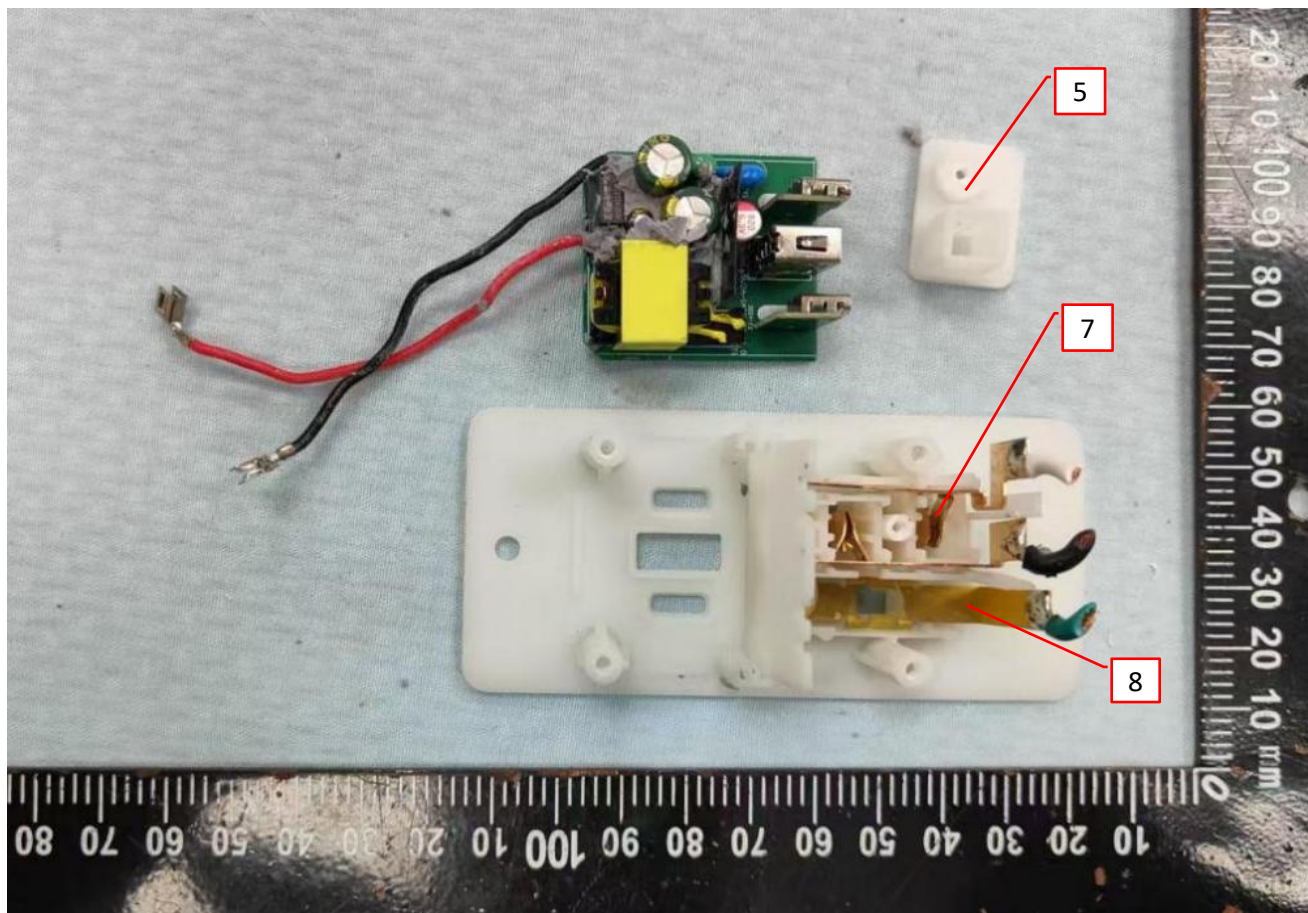
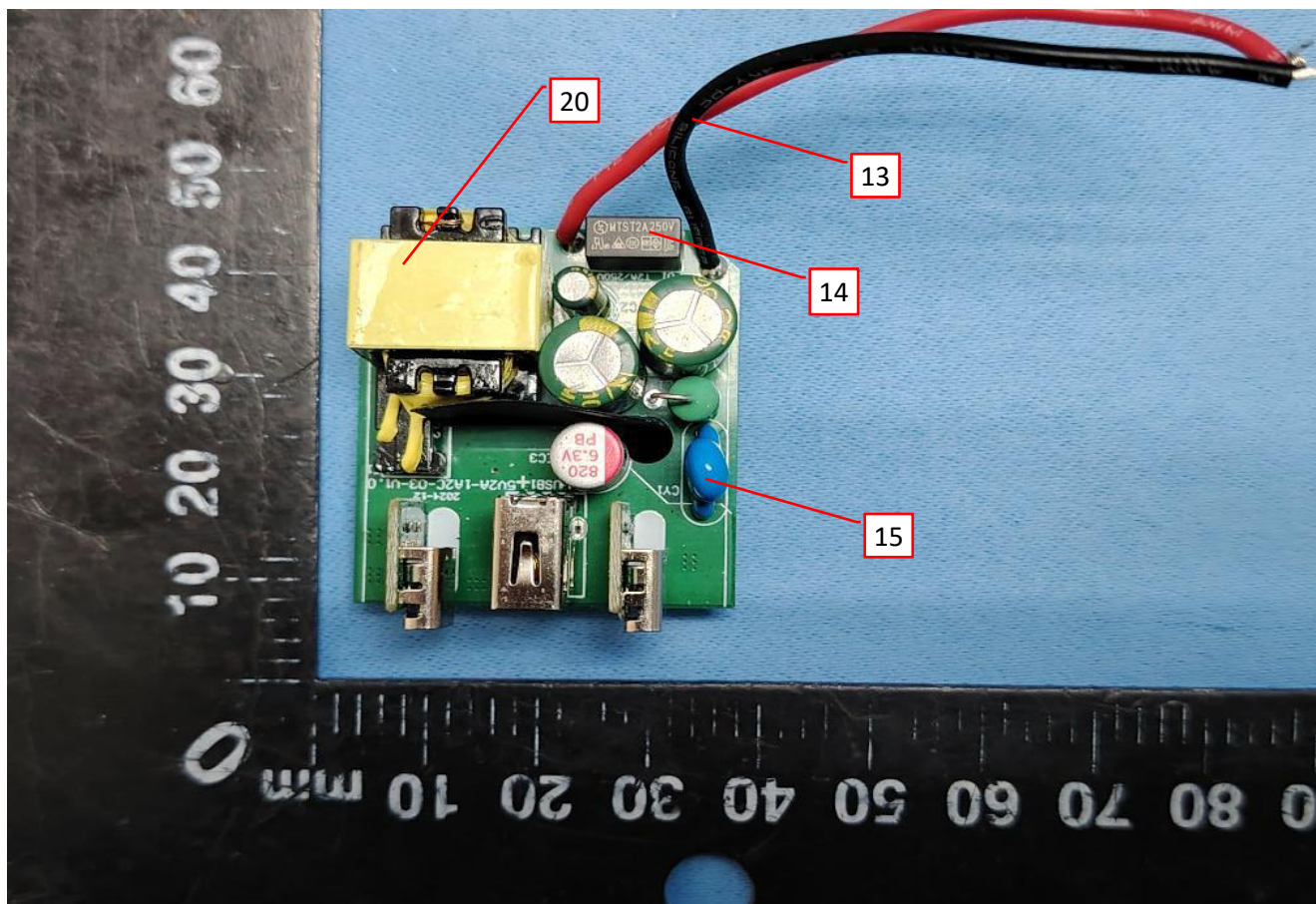


Photo 32 - Internal view of BAYU-AQ01ACC0524-12A. (USB module 9)



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Photo 33 - Internal view of BAYU-AQ01ACC0524-12A. (USB module 9)

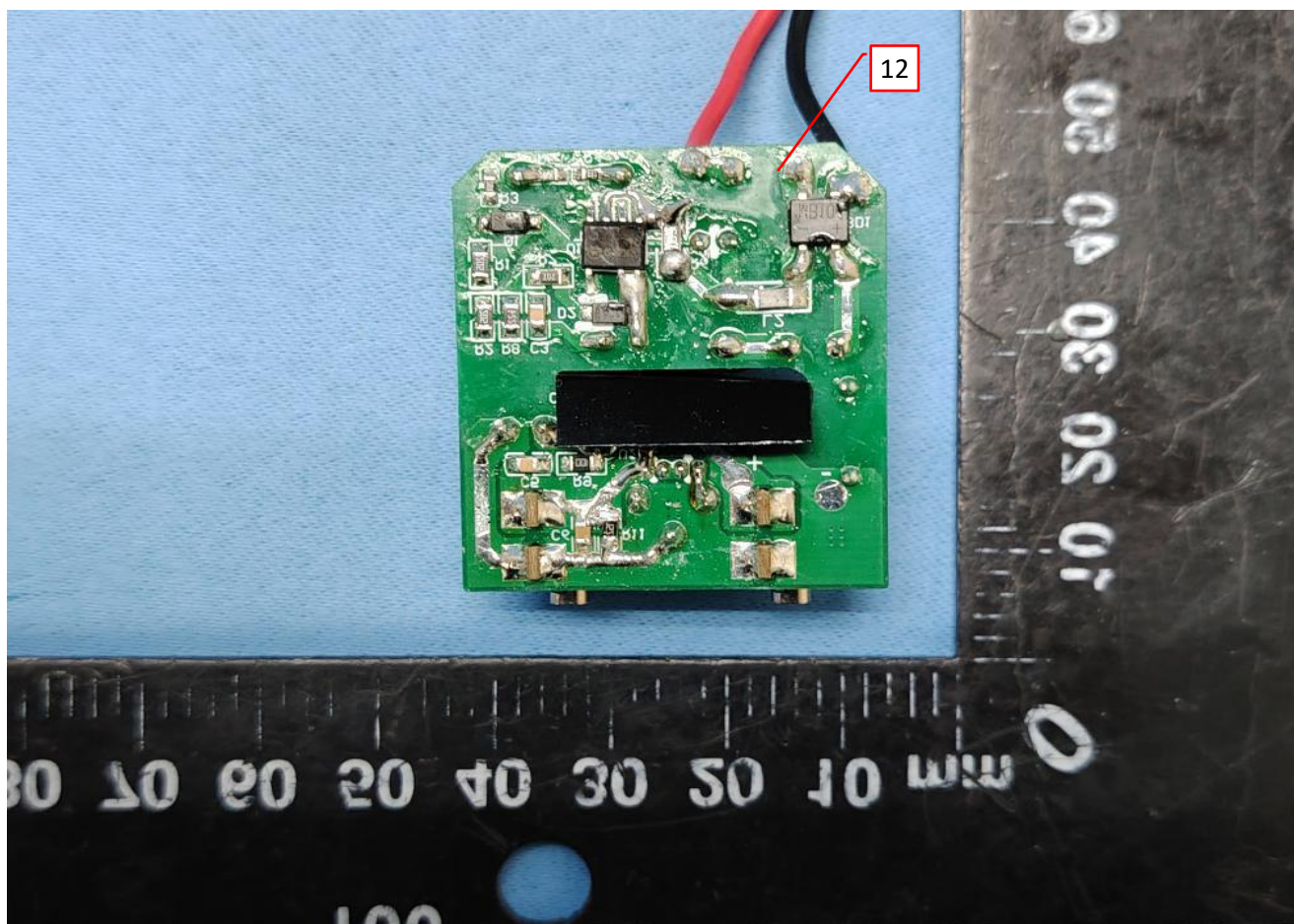


Photo 34 - External view of BAYU-AQ01ACC1215-12A.



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Photo 35 - Internal view of BAYU-AQ01ACC1215-12A.

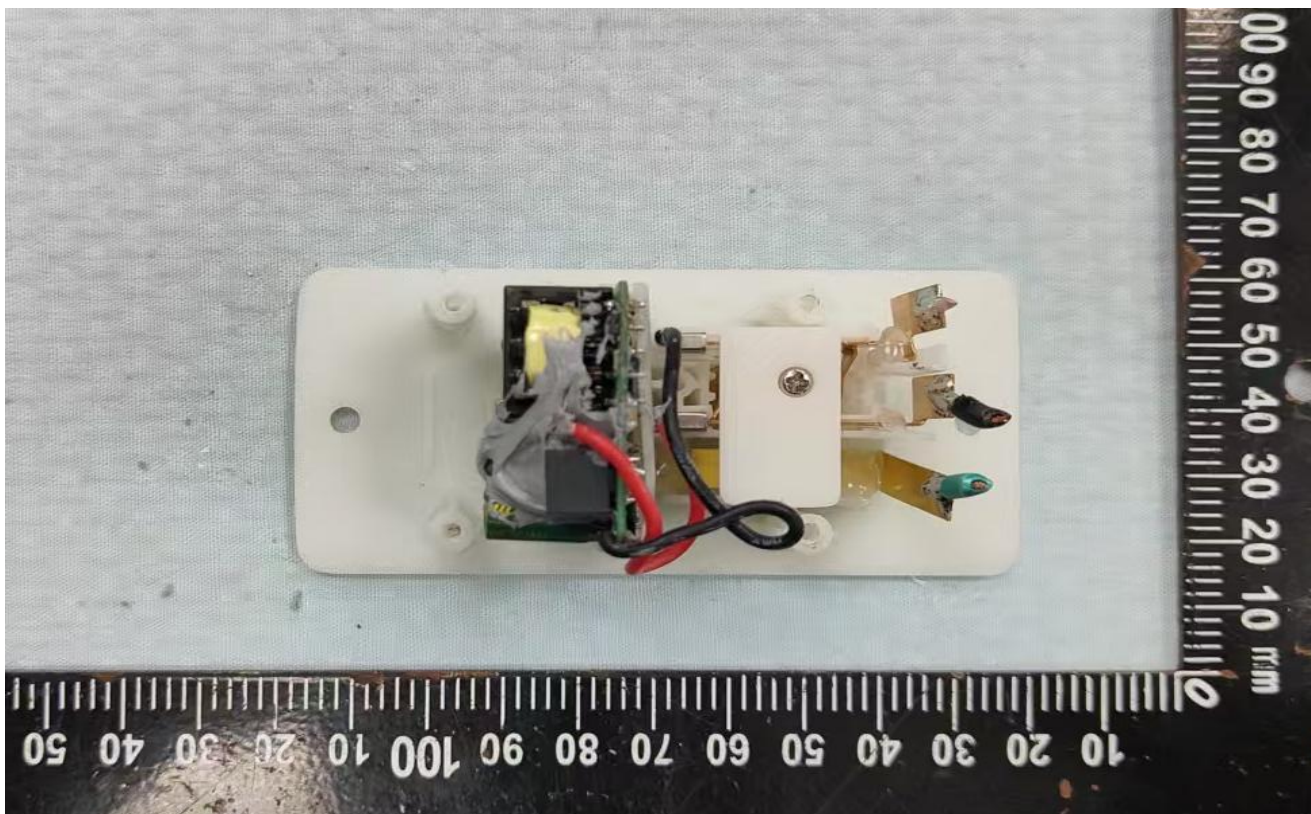
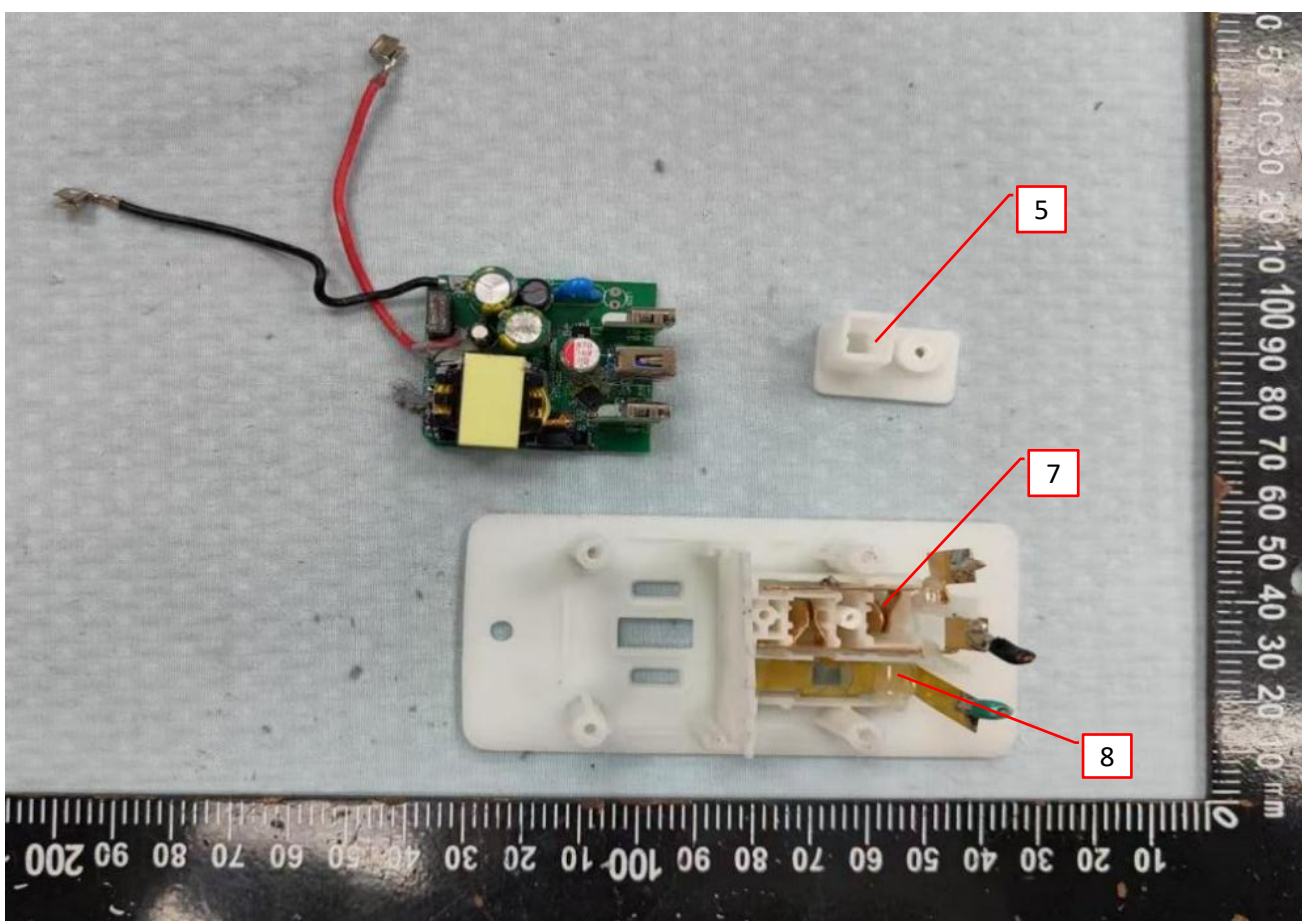


Photo 36 - Internal view of BAYU-AQ01ACC1215-12A.



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Photo 37 - Internal view of BAYU-AQ01ACC1215-12A. (USB module 11)

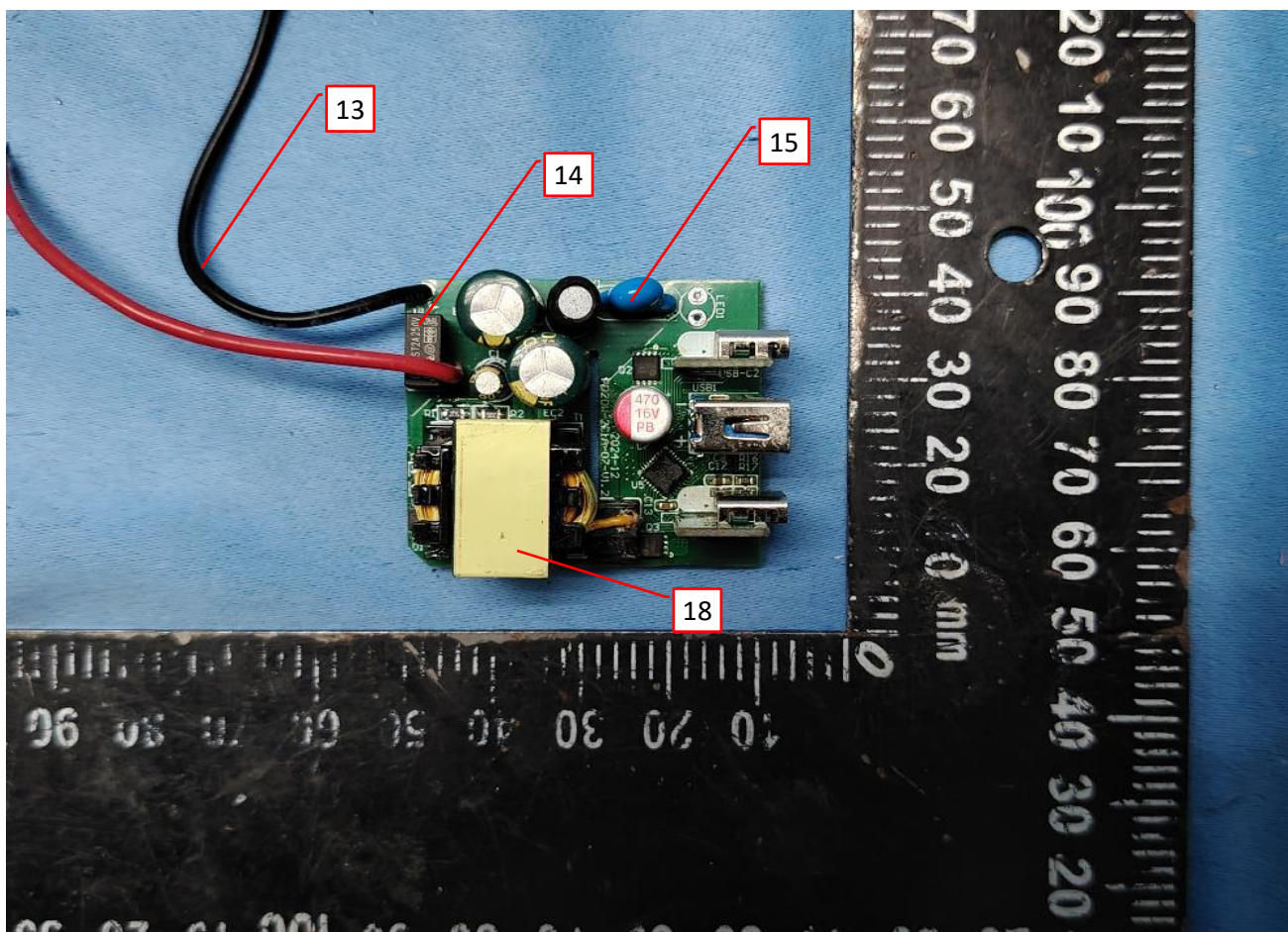
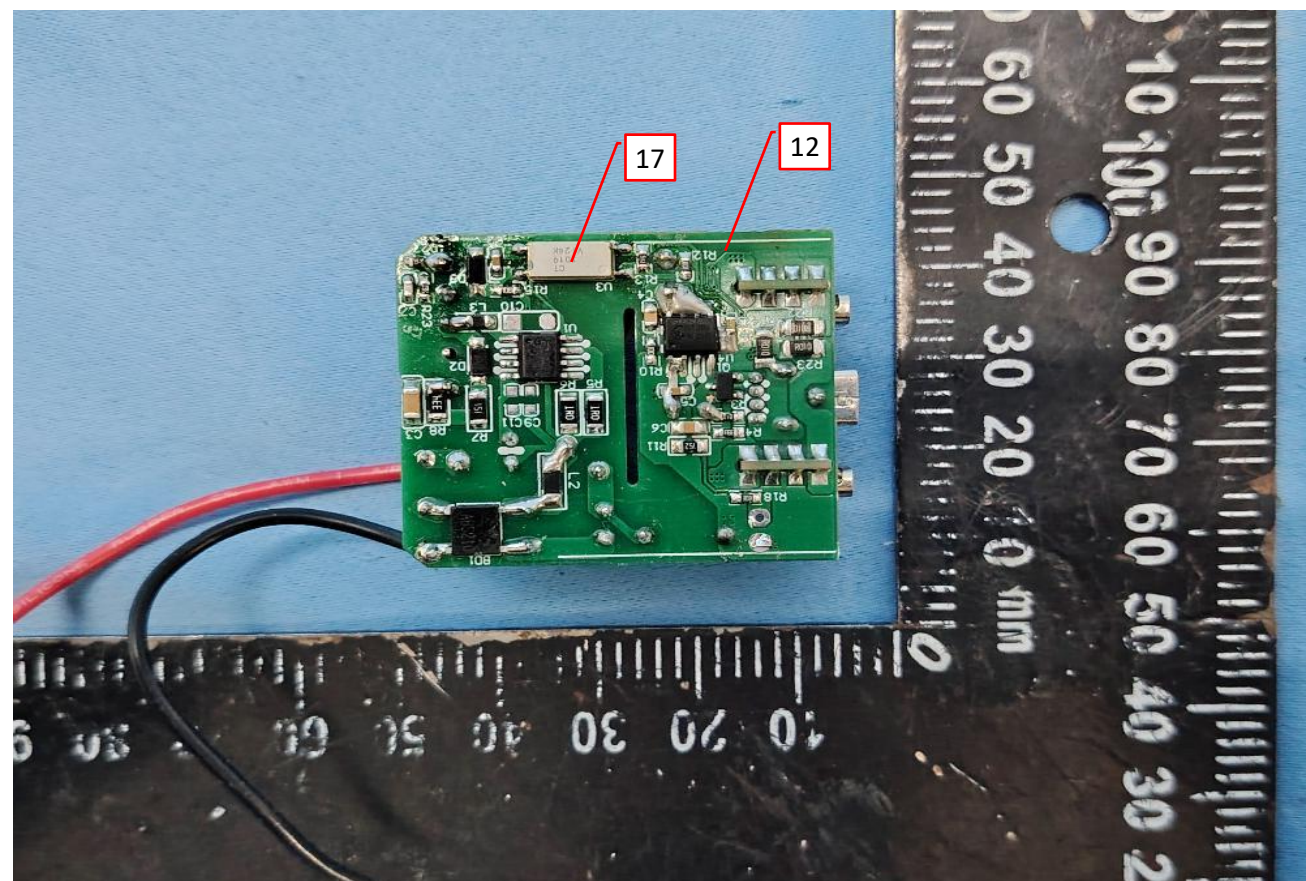


Photo 38 - Internal view of BAYU-AQ01ACC1215-12A. (USB module 11)

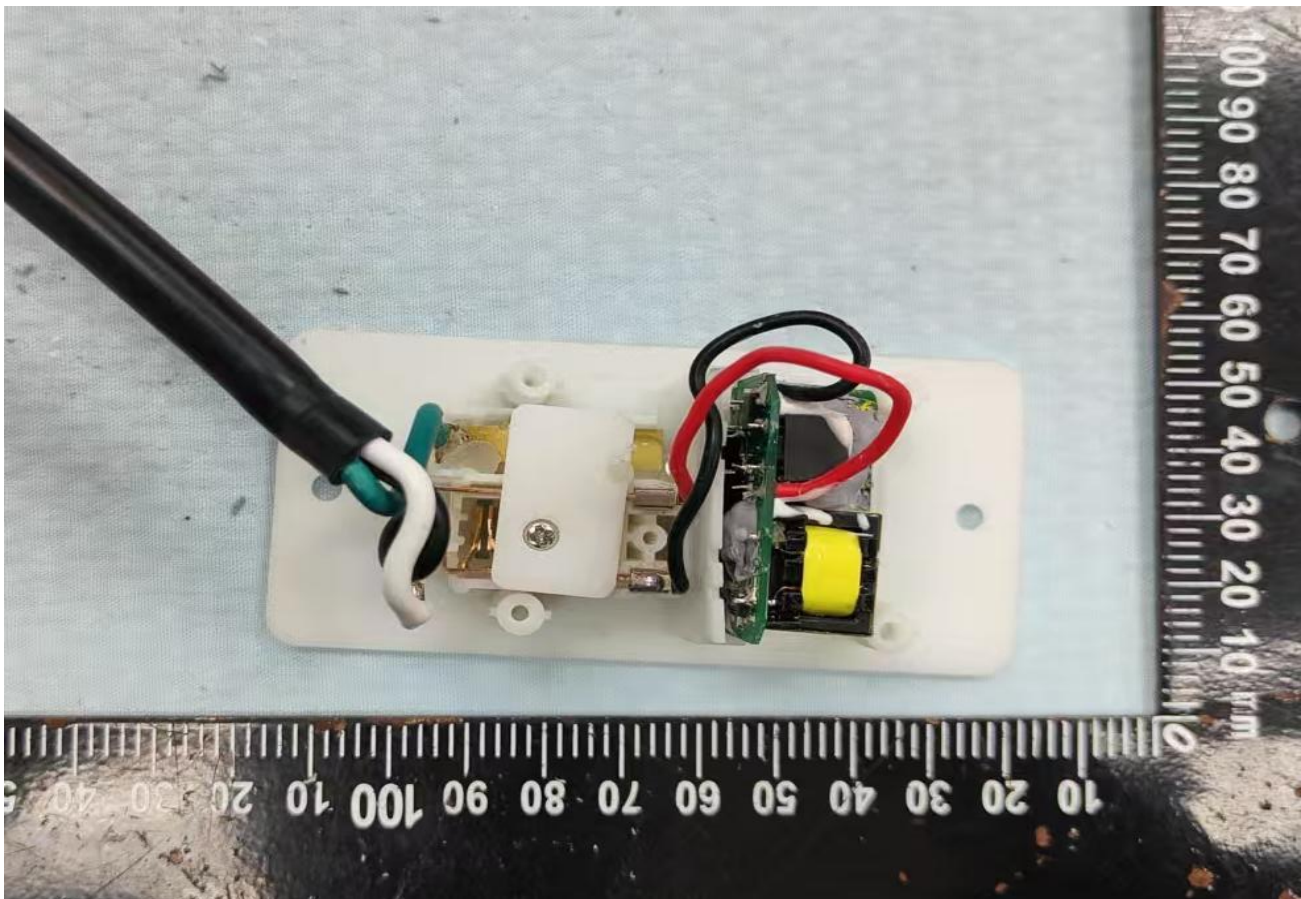


3.0 Product Photographs

Photo 39 - External view of BAYU-AQ01AA0524-12A.



Photo 40 - Internal view of BAYU-AQ01AA0524-12A.



3.0 Product Photographs

Photo 41 - Internal view of BAYU-AQ01AA0524-12A.

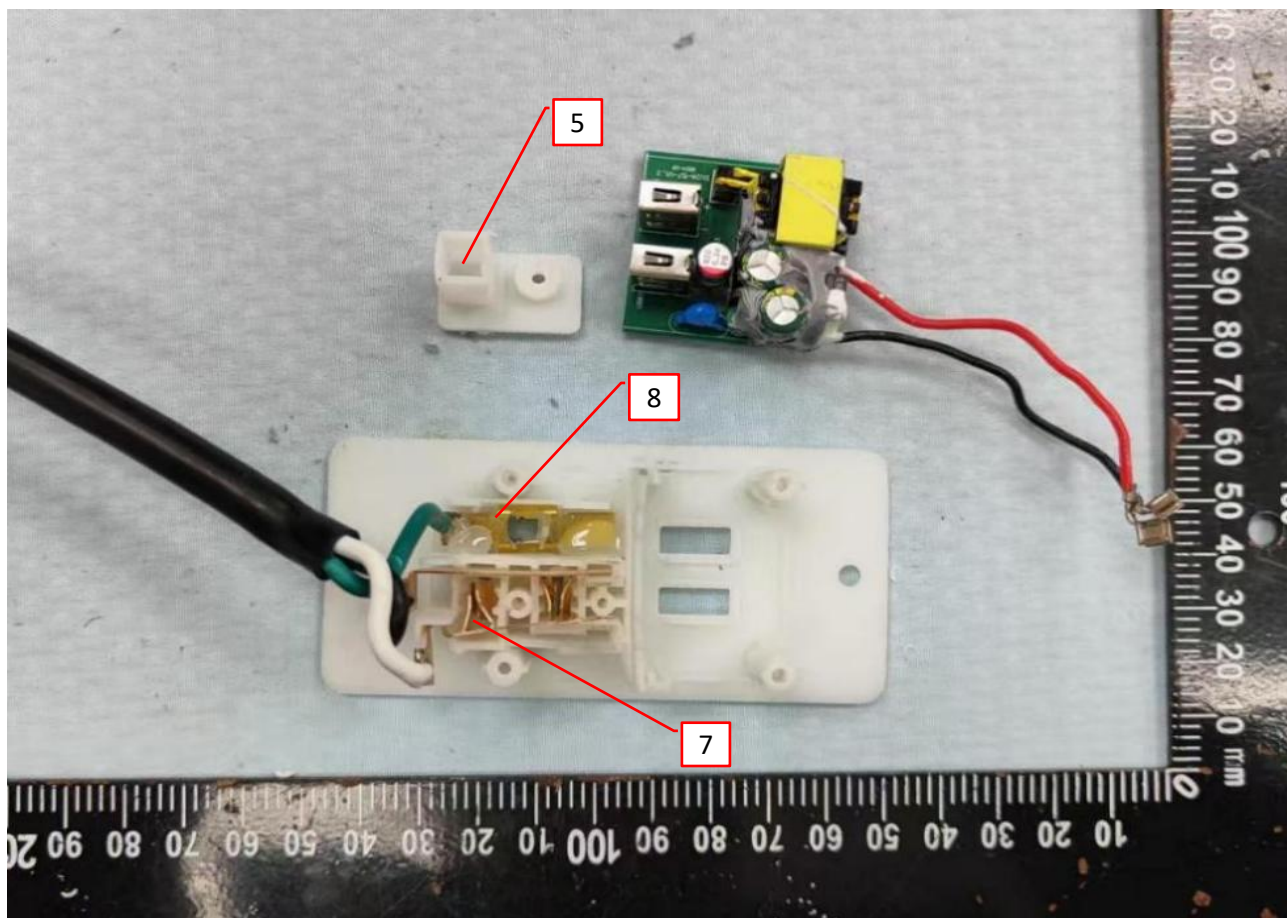
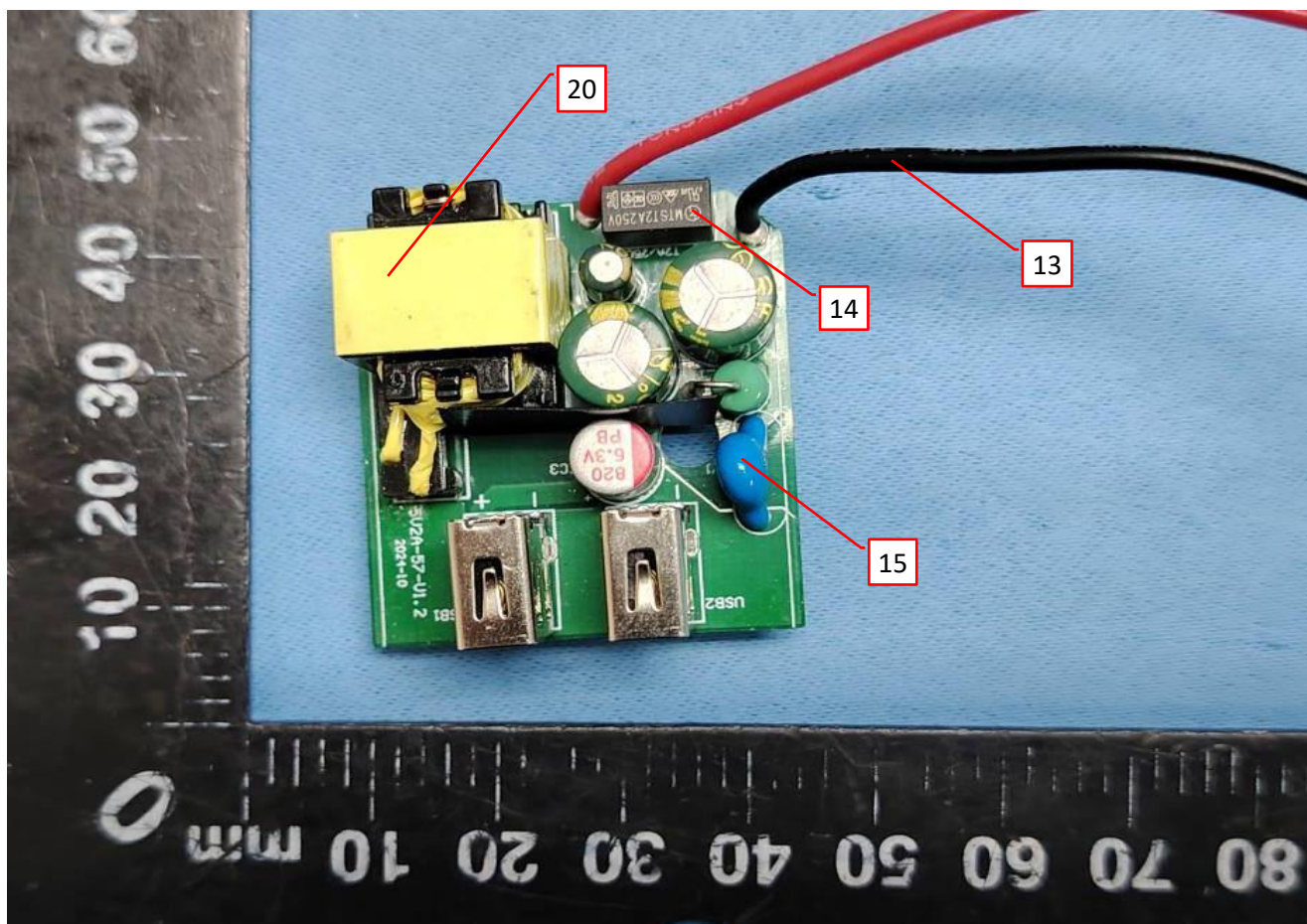


Photo 42 - Internal view of BAYU-AQ01AA0524-12A. (USB module 1)



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Photo 43 - Internal view of BAYU-AQ01AA0524-12A. (USB module 1)

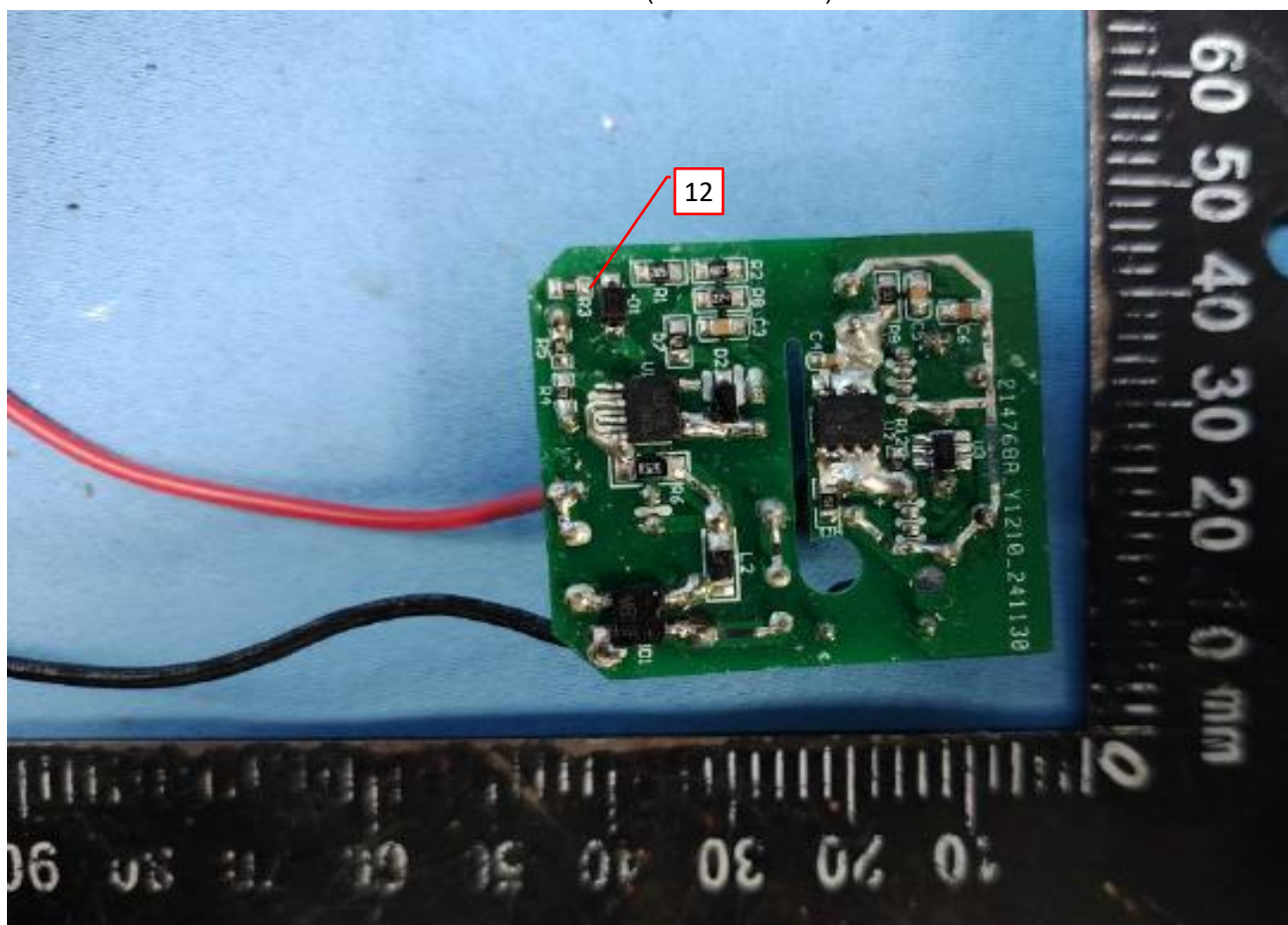


Photo 44 - External view of BAYU-AJ01 series.



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Photo 45 - External view of BAYU-AJ01 series.

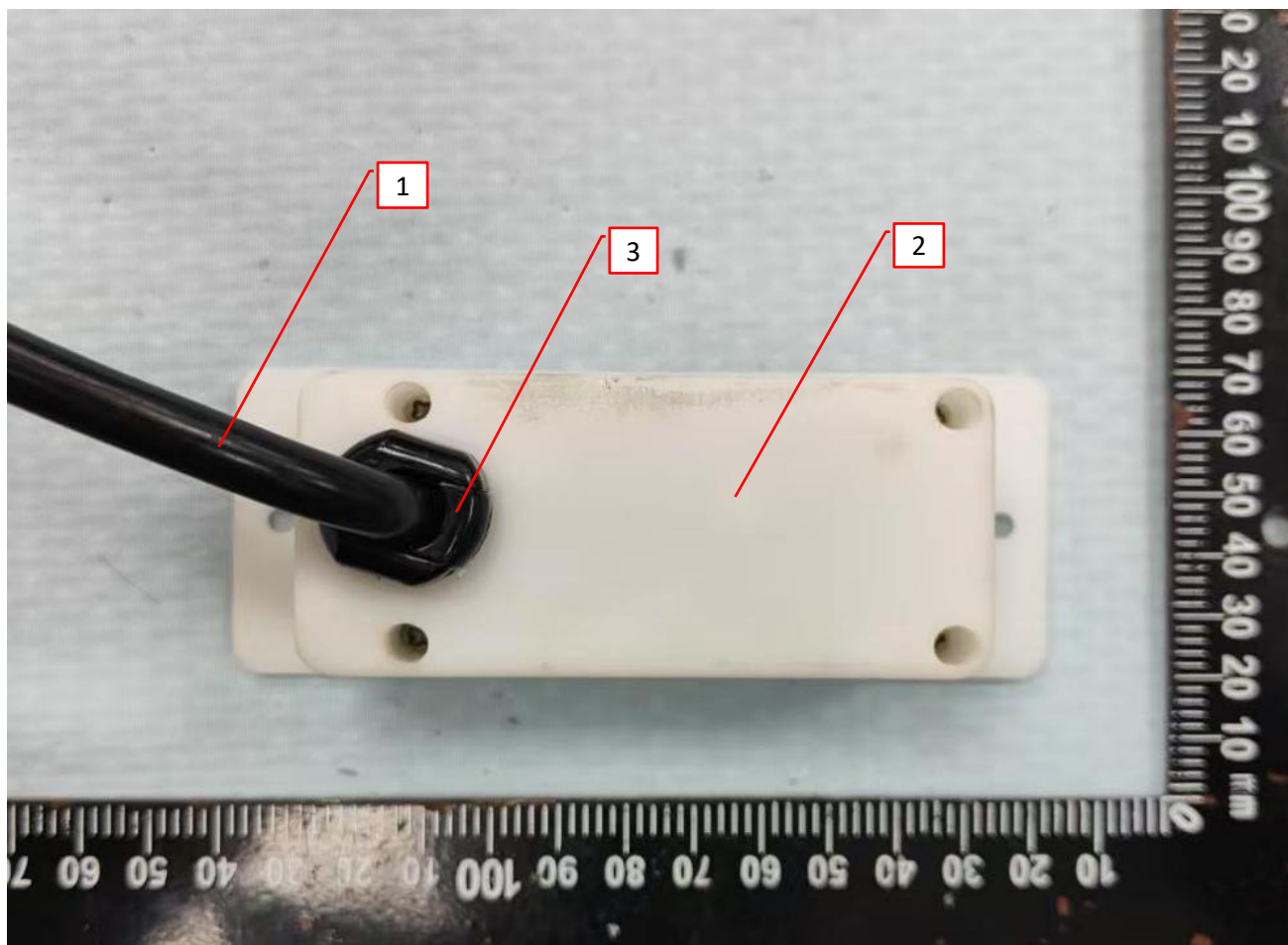


Photo 46 - External view of BAYU-AJ01AA0524-12A.



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Photo 47 - Internal view of BAYU-AJ01AA0524-12A.

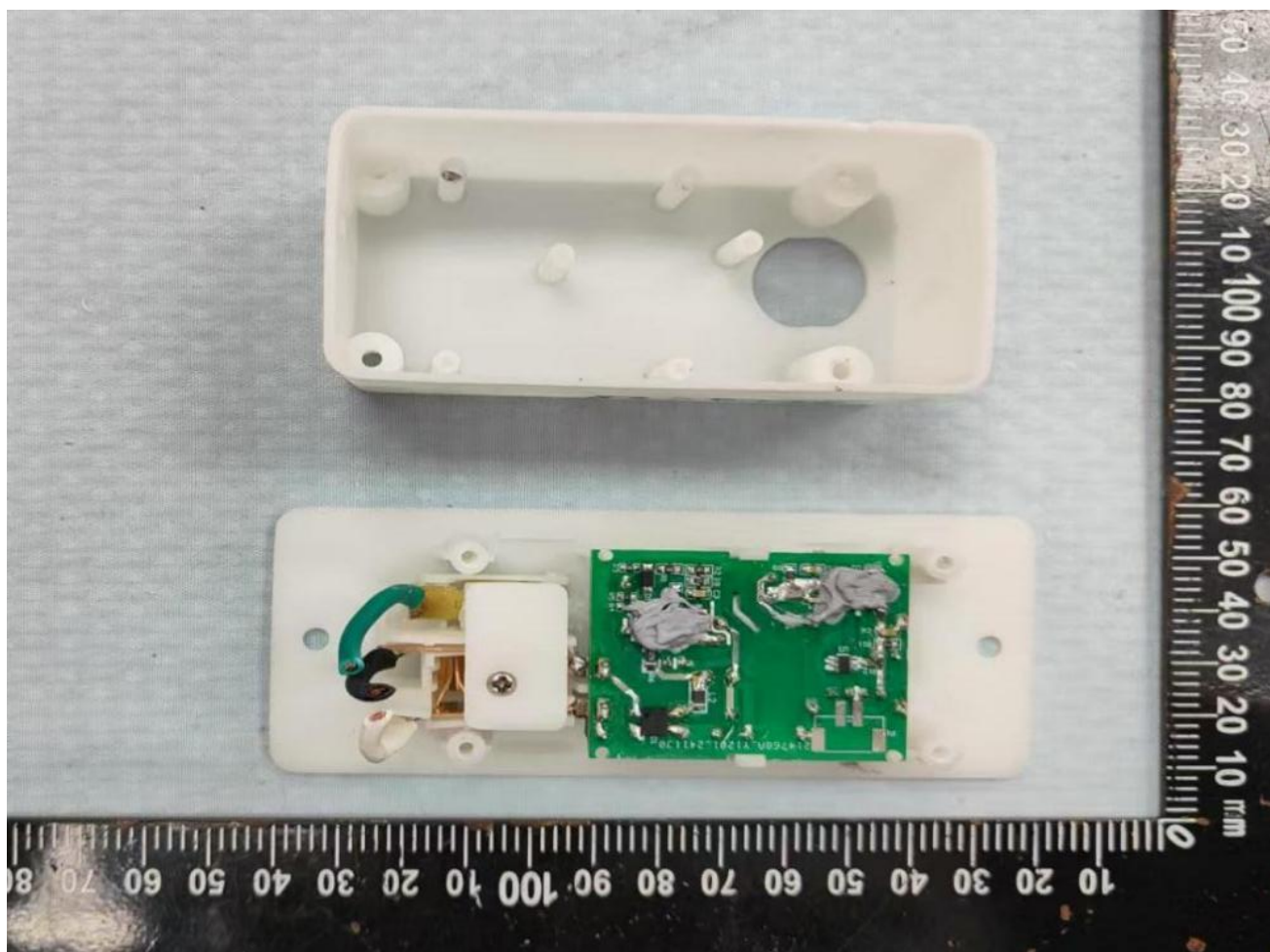
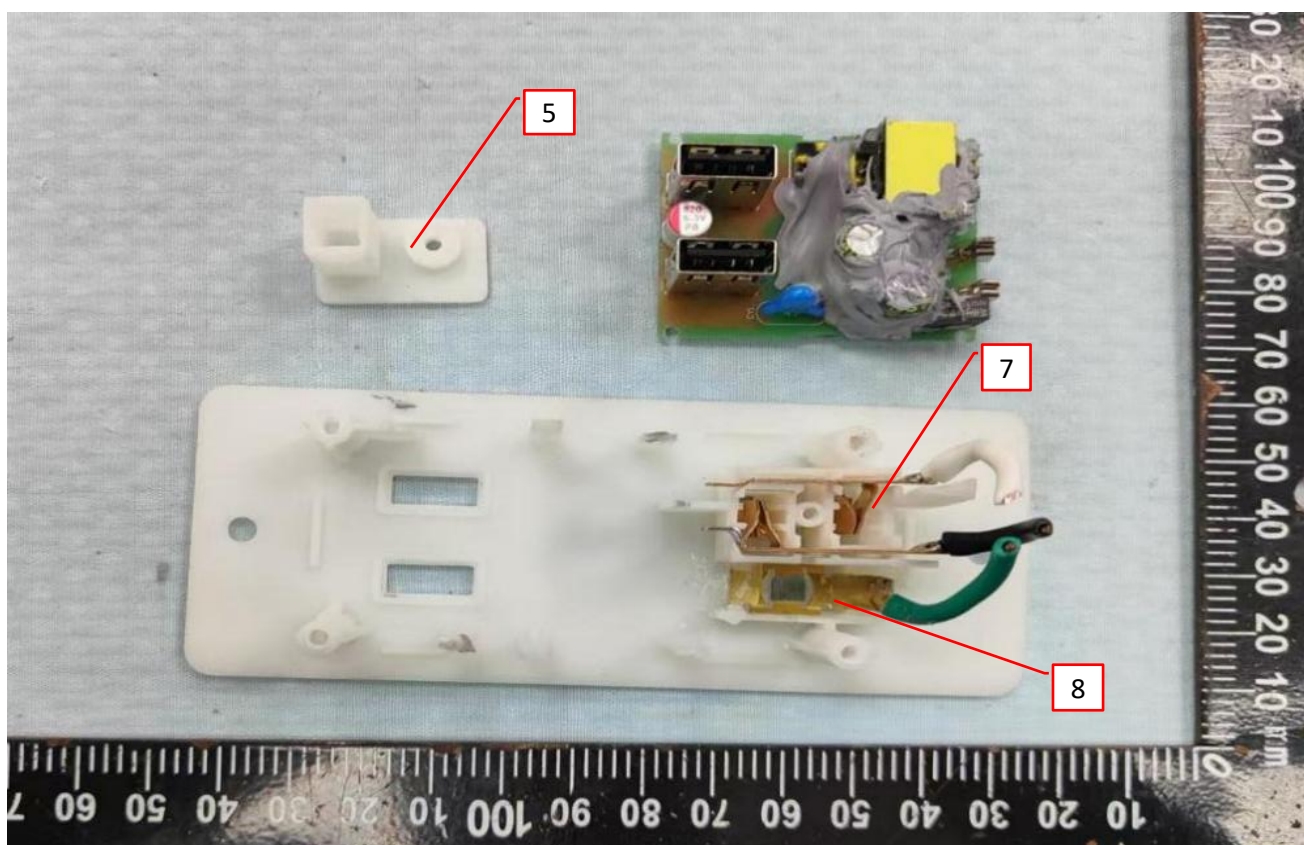


Photo 48 - Internal view of BAYU-AJ01AA0524-12A.



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Photo 49 - Internal view of BAYU-AJ01AA0524-12A. (USB module 2)

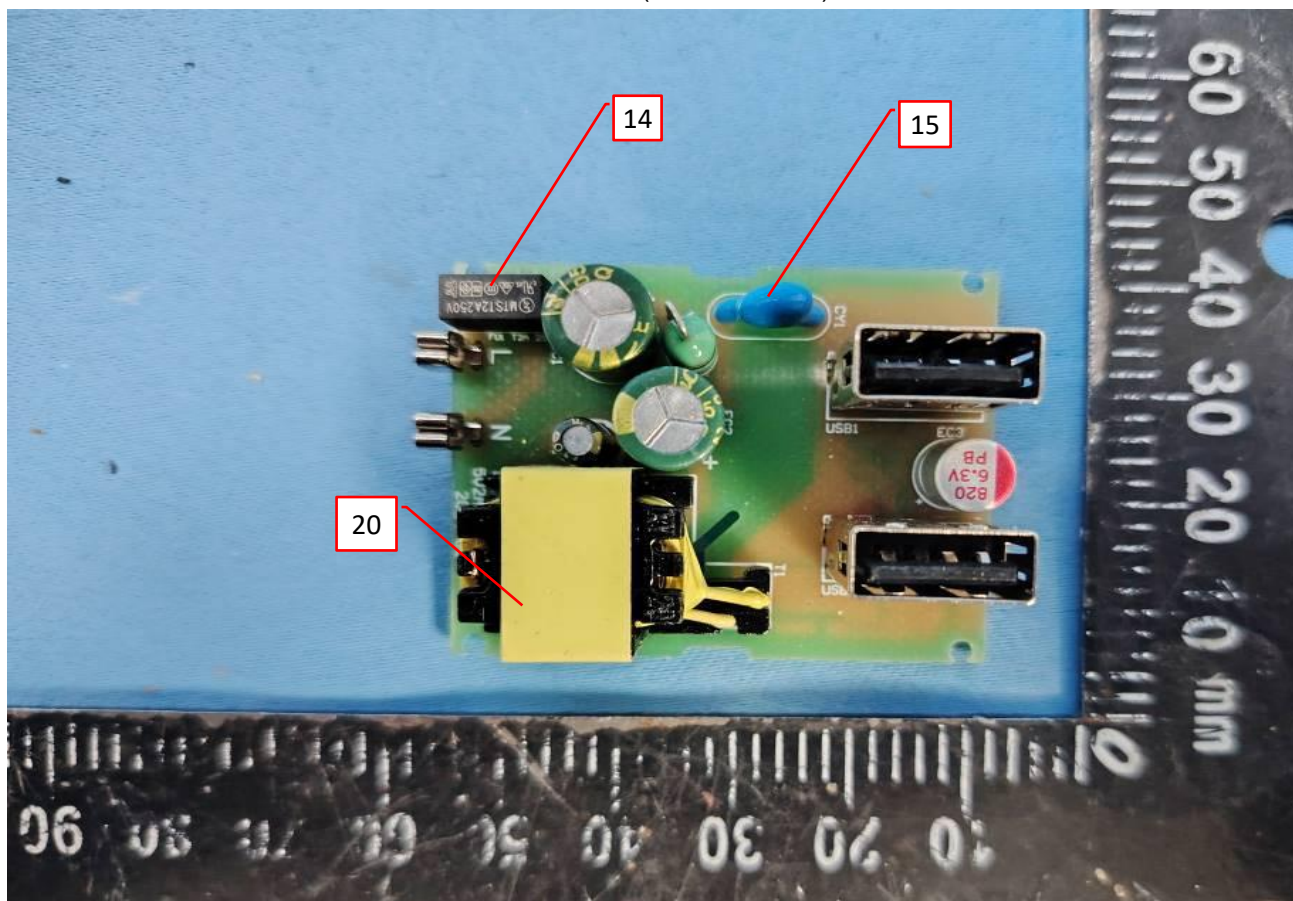
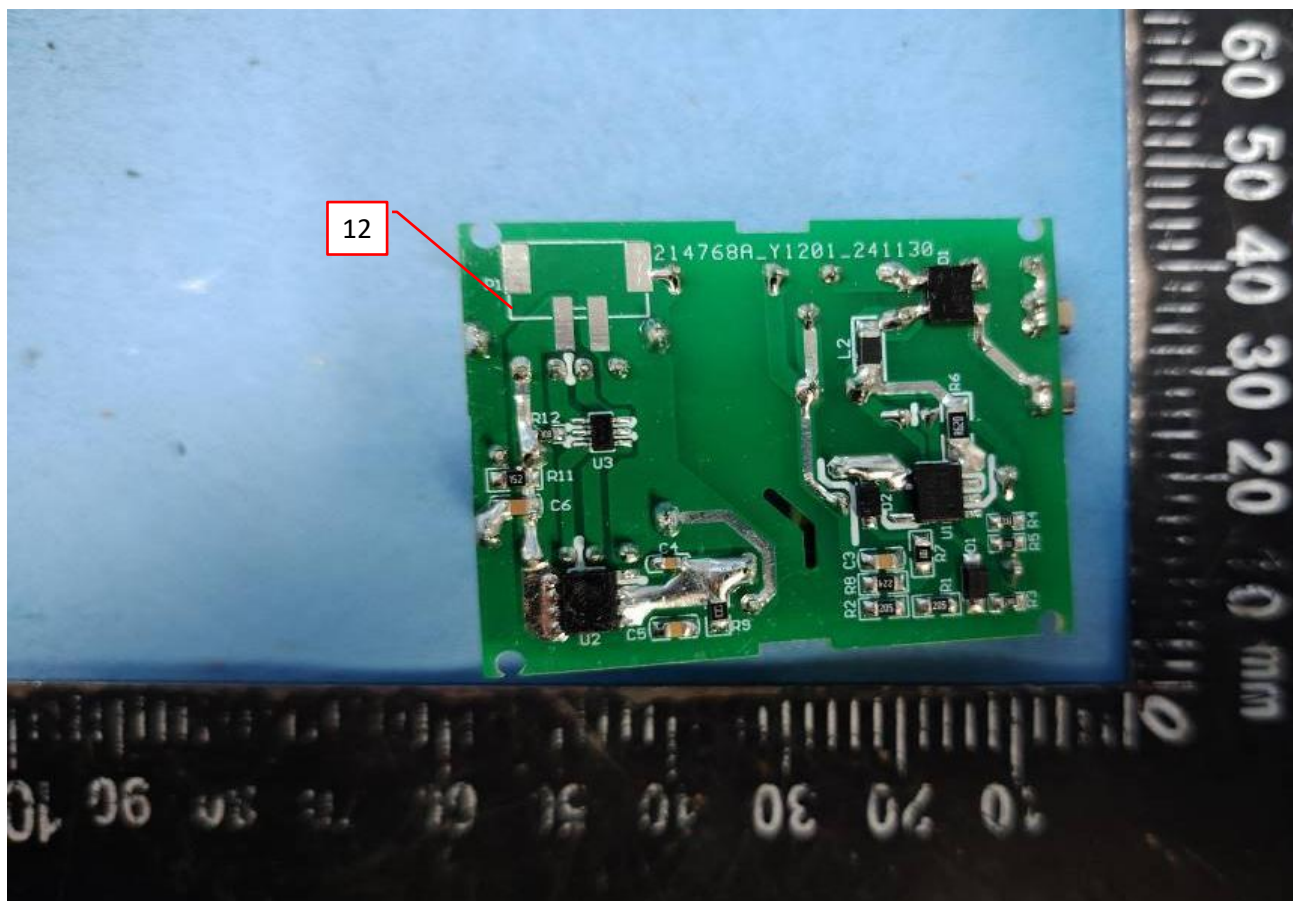


Photo 50 - Internal view of BAYU-AJ01AA0524-12A. (USB module 2)

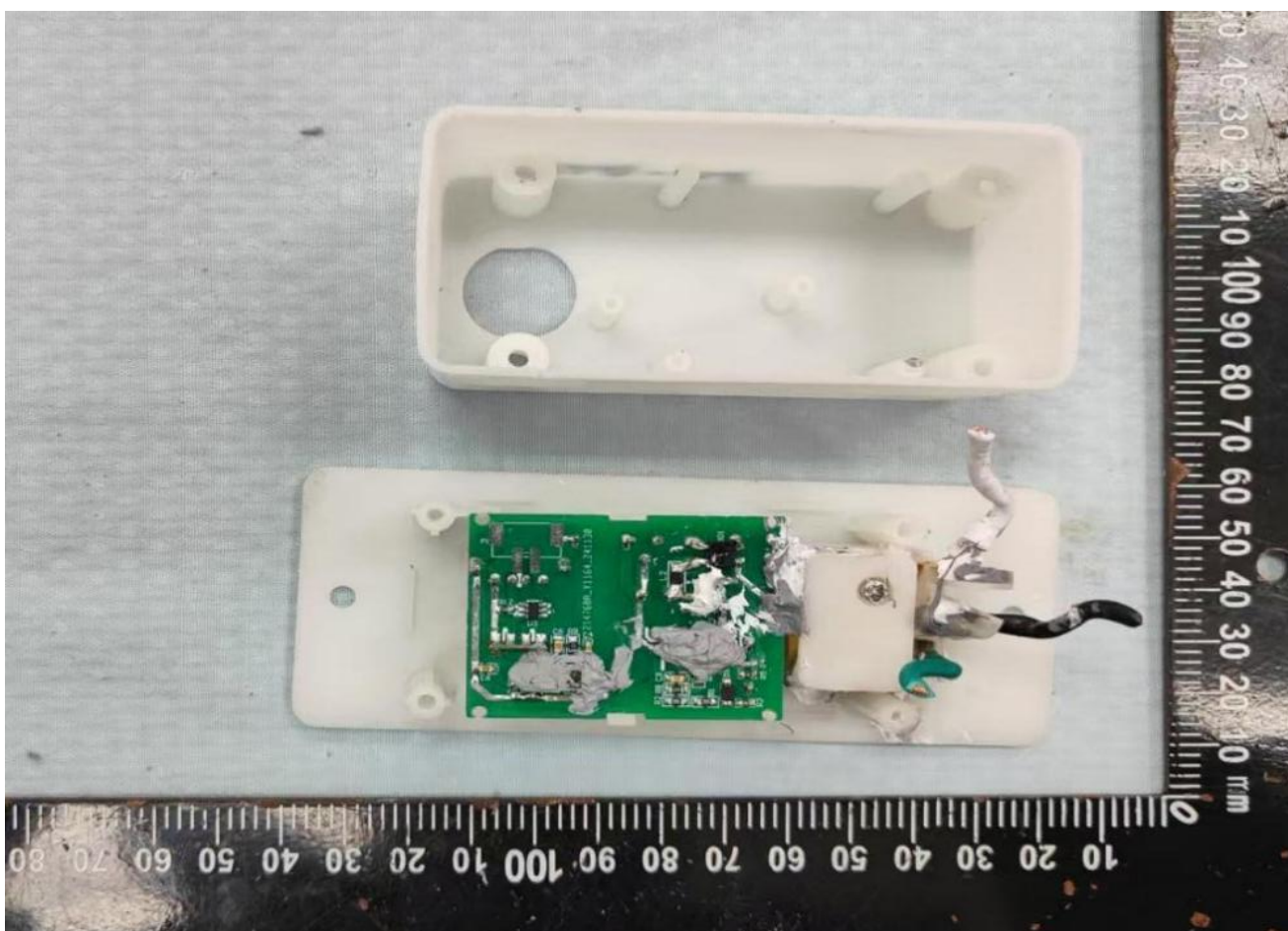


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Photo 51 - External view of BAYU-AJ01AC0524-12A.



Photo 52 - Internal view of BAYU-AJ01AC0524-12A.



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Photo 53 - Internal view of BAYU-AJ01AC0524-12A.

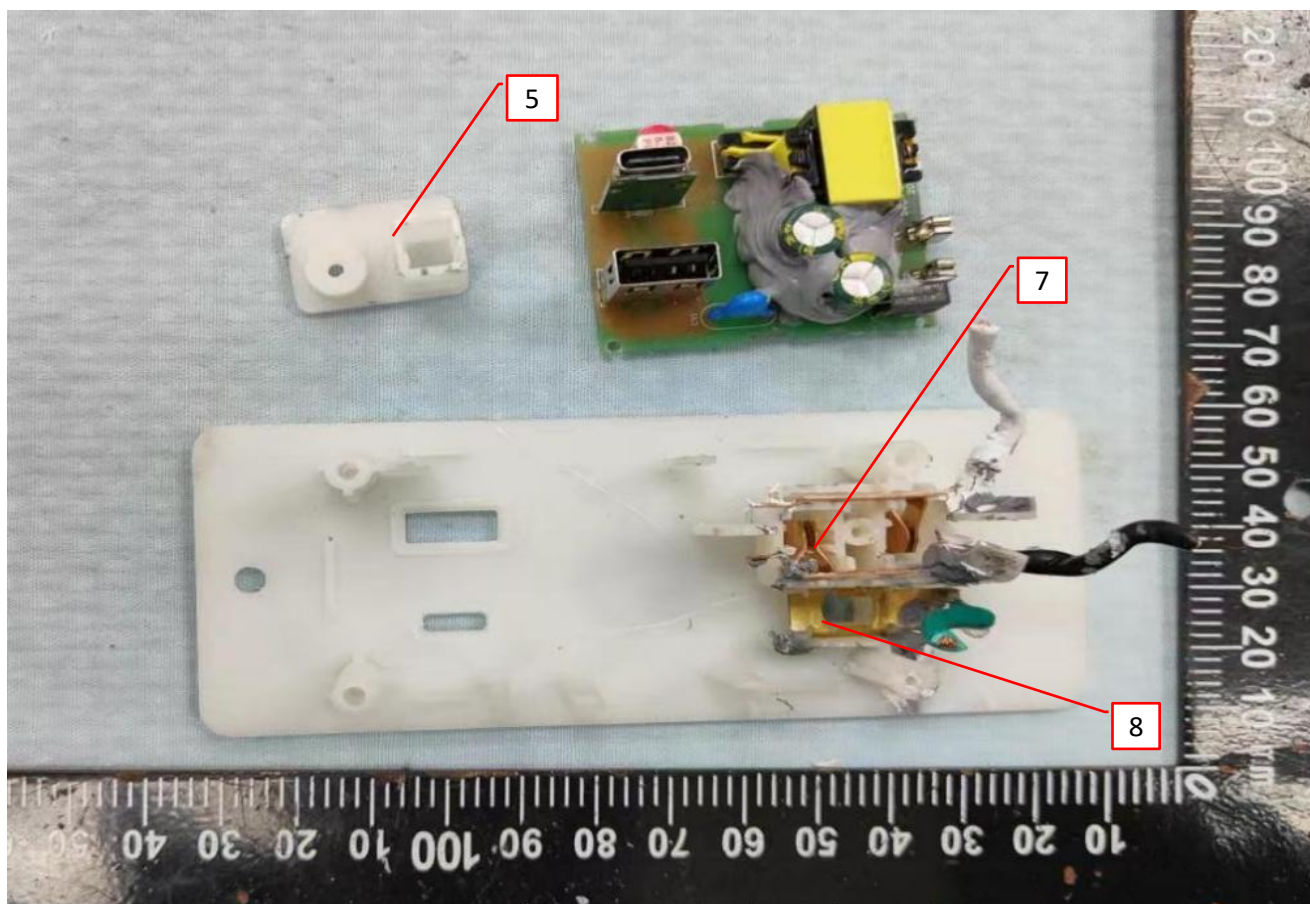
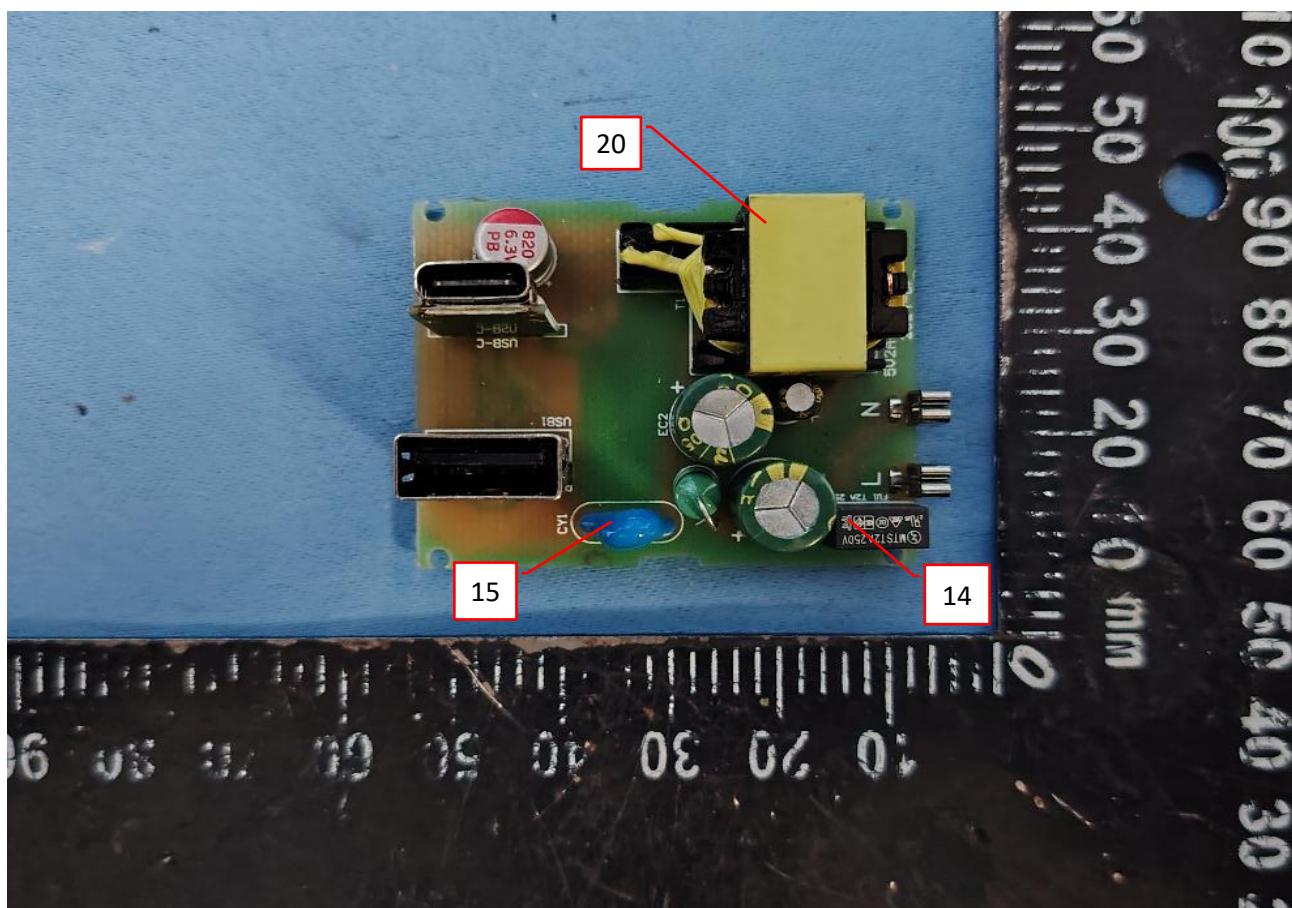


Photo 54 - Internal view of BAYU-AJ01AC0524-12A. (USB module 4)



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Photo 55 - Internal view of BAYU-AJ01AC0524-12A. (USB module 4)

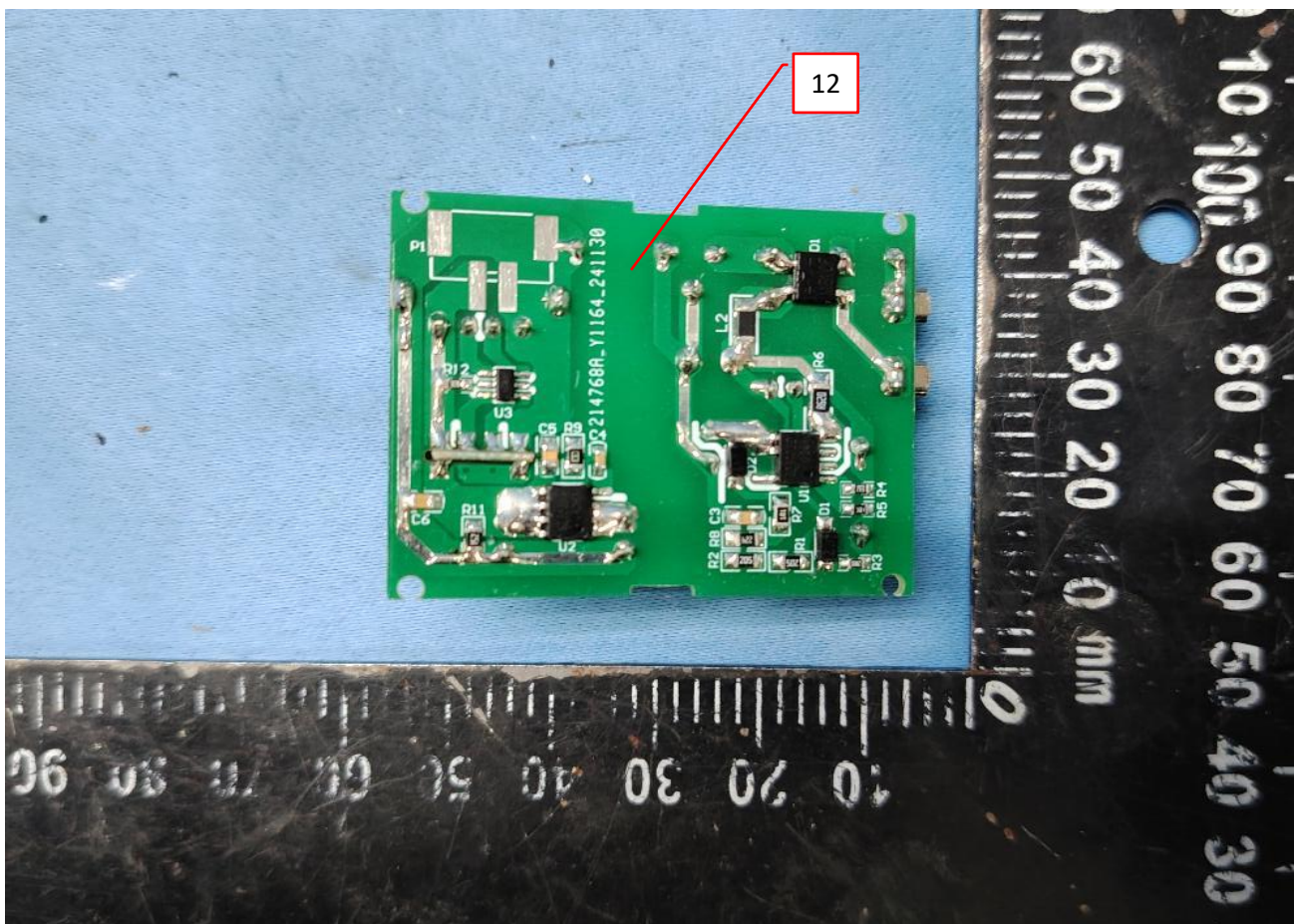


Photo 56 - External view of BAYU-AJ01AC1215-12A.



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Photo 57 - Internal view of BAYU-AJ01AC1215-12A.

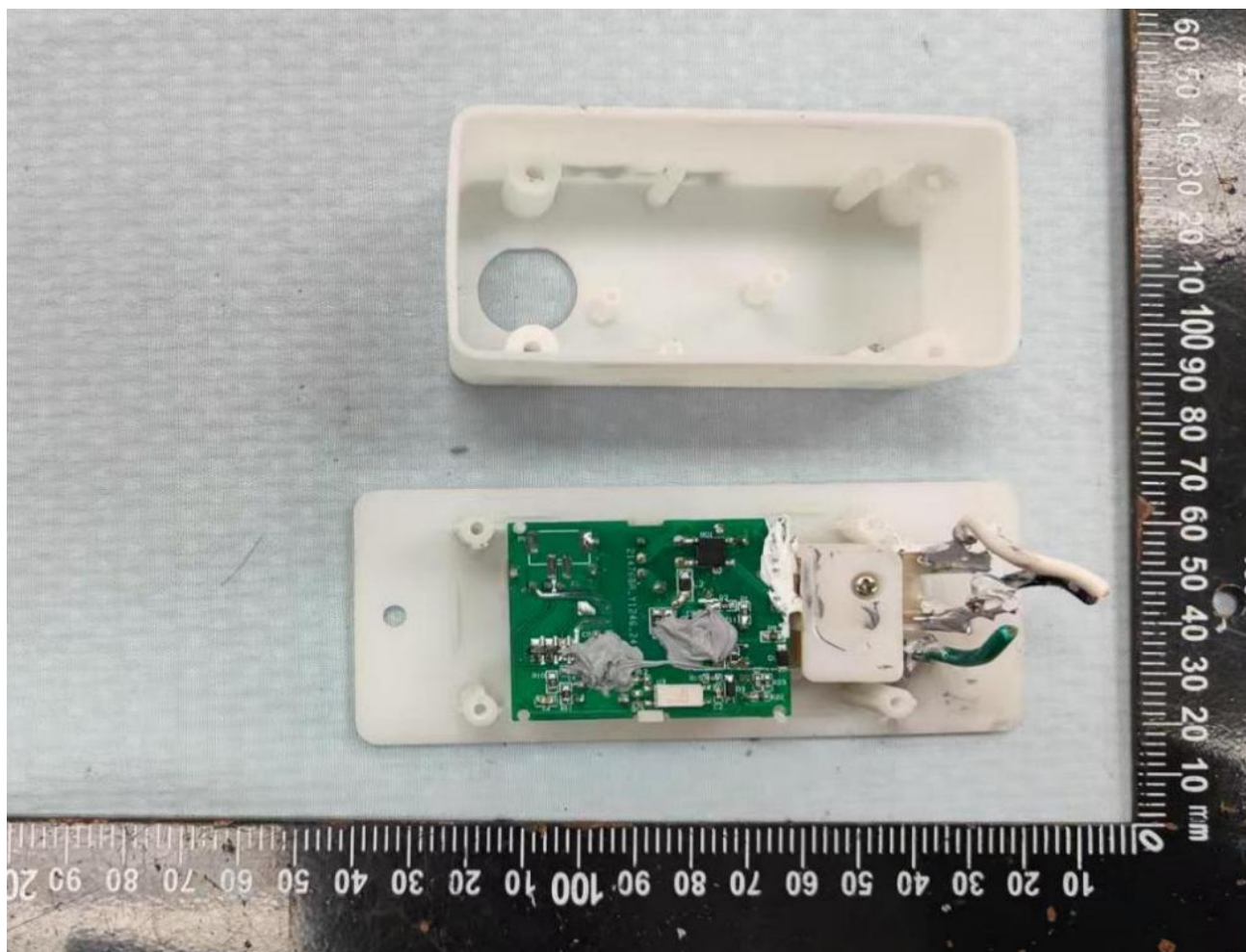
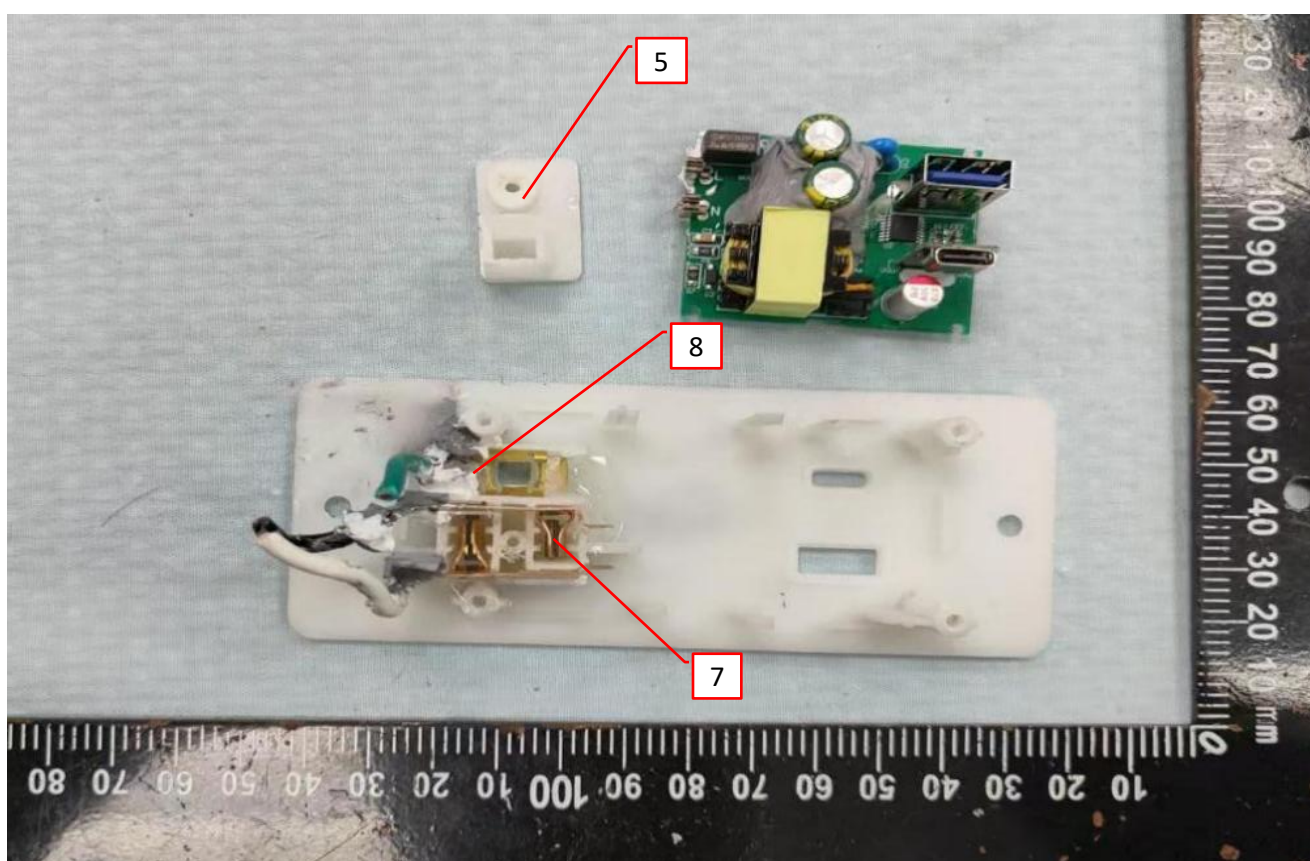


Photo 58 - Internal view of BAYU-AJ01AC1215-12A.



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Photo 59 - Internal view of BAYU-AJ01AC1215-12A. (USB module 8 also represents USB module 6)

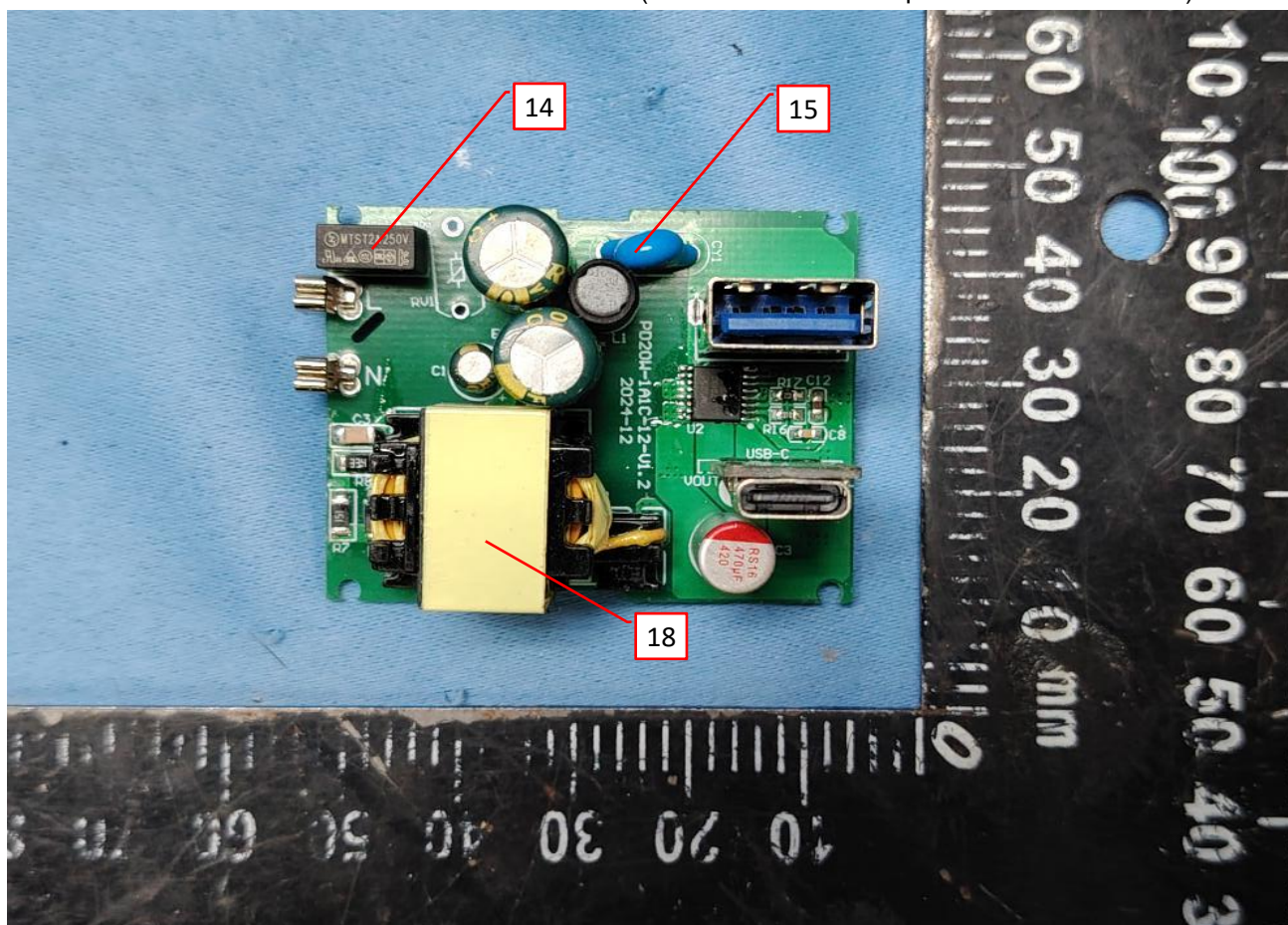
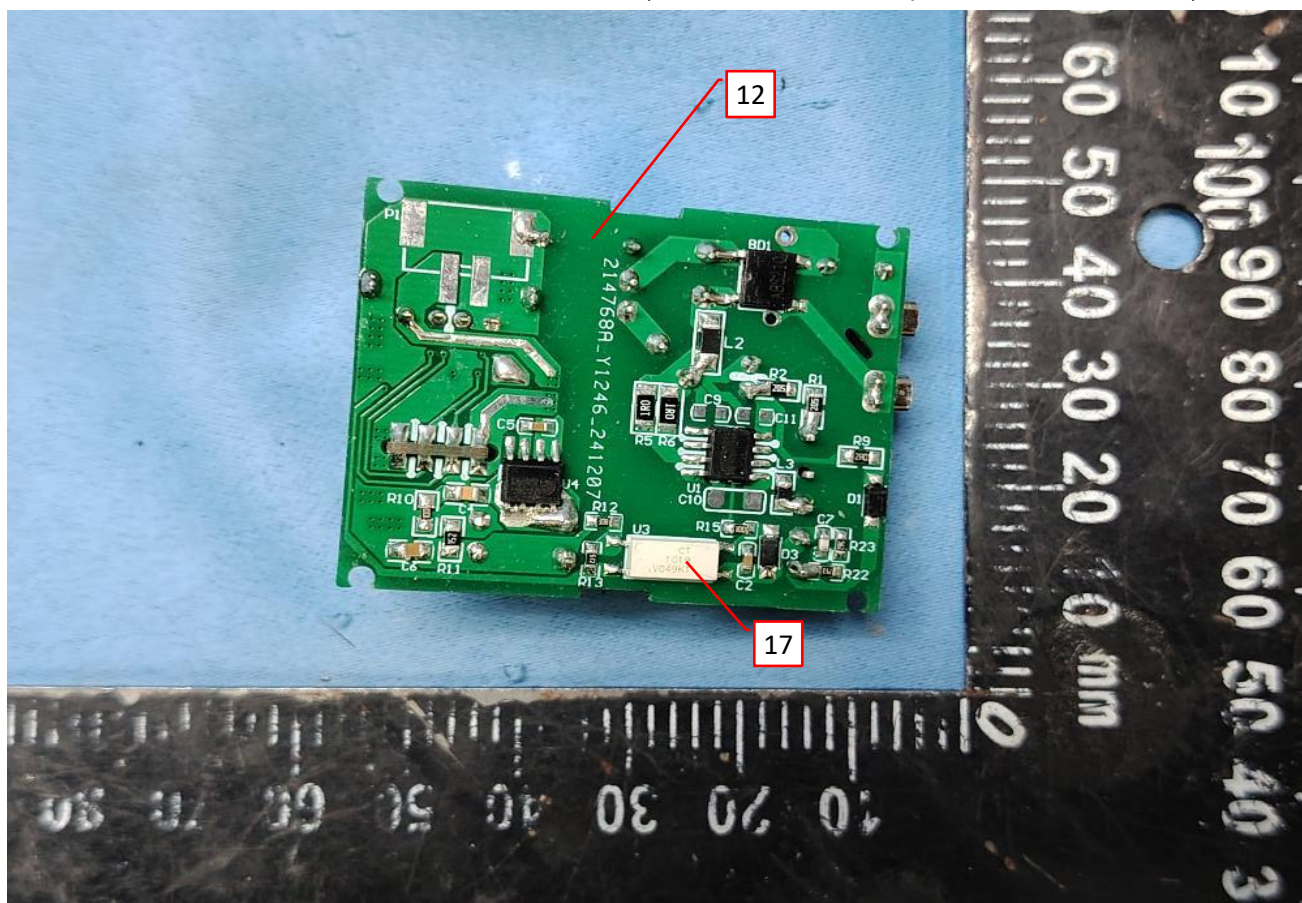


Photo 60 - Internal view of BAYU-AJ01AC1215-12A. (USB module 8 also represents USB module 6)

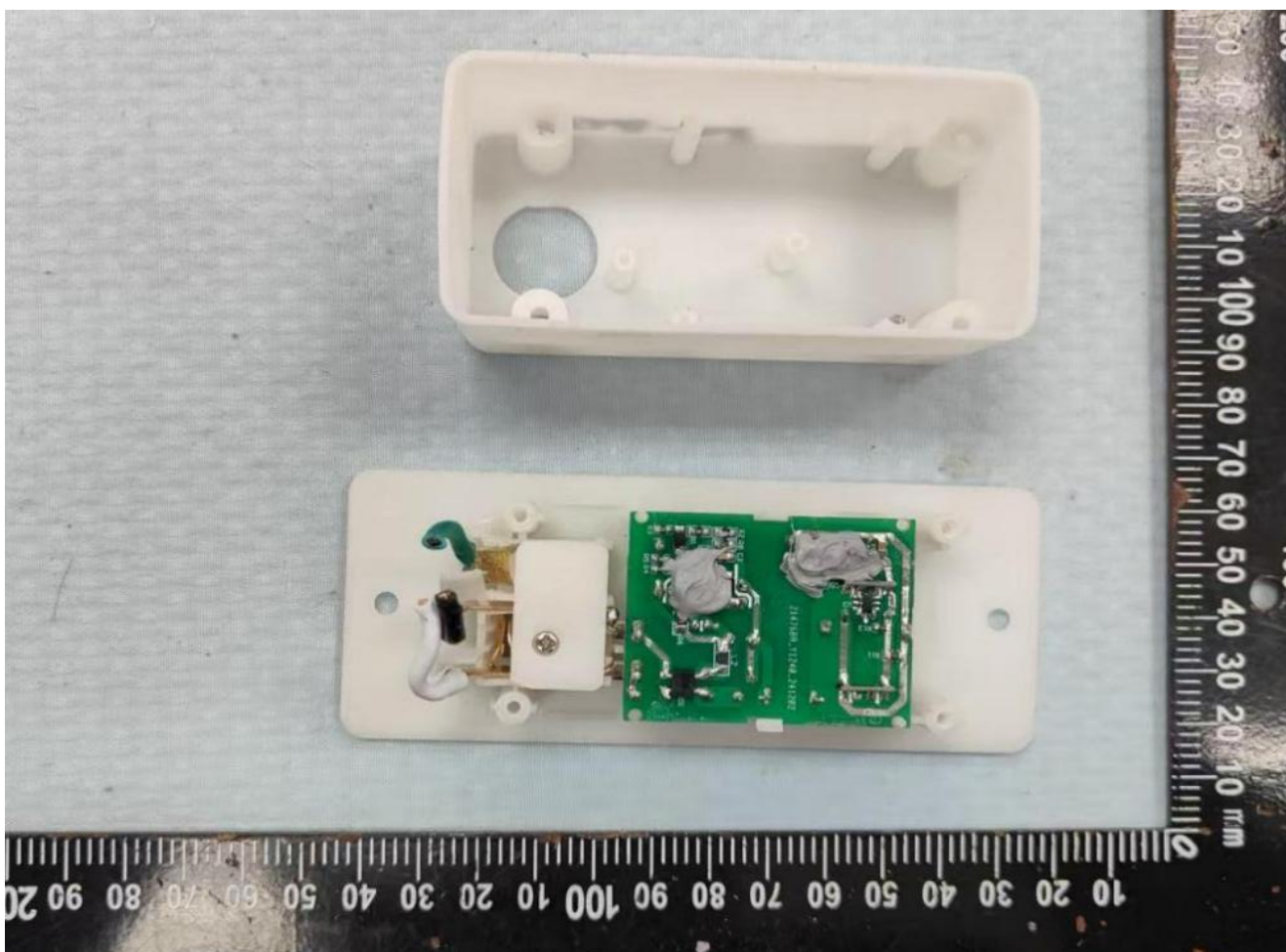


3.0 Product Photographs

Photo 61 - External view of BAYU-AJ01ACC0524-12A.



Photo 62 - Internal view of BAYU-AJ01ACC0524-12A.



3.0 Product Photographs

Photo 63 - Internal view of BAYU-AJ01ACC0524-12A.

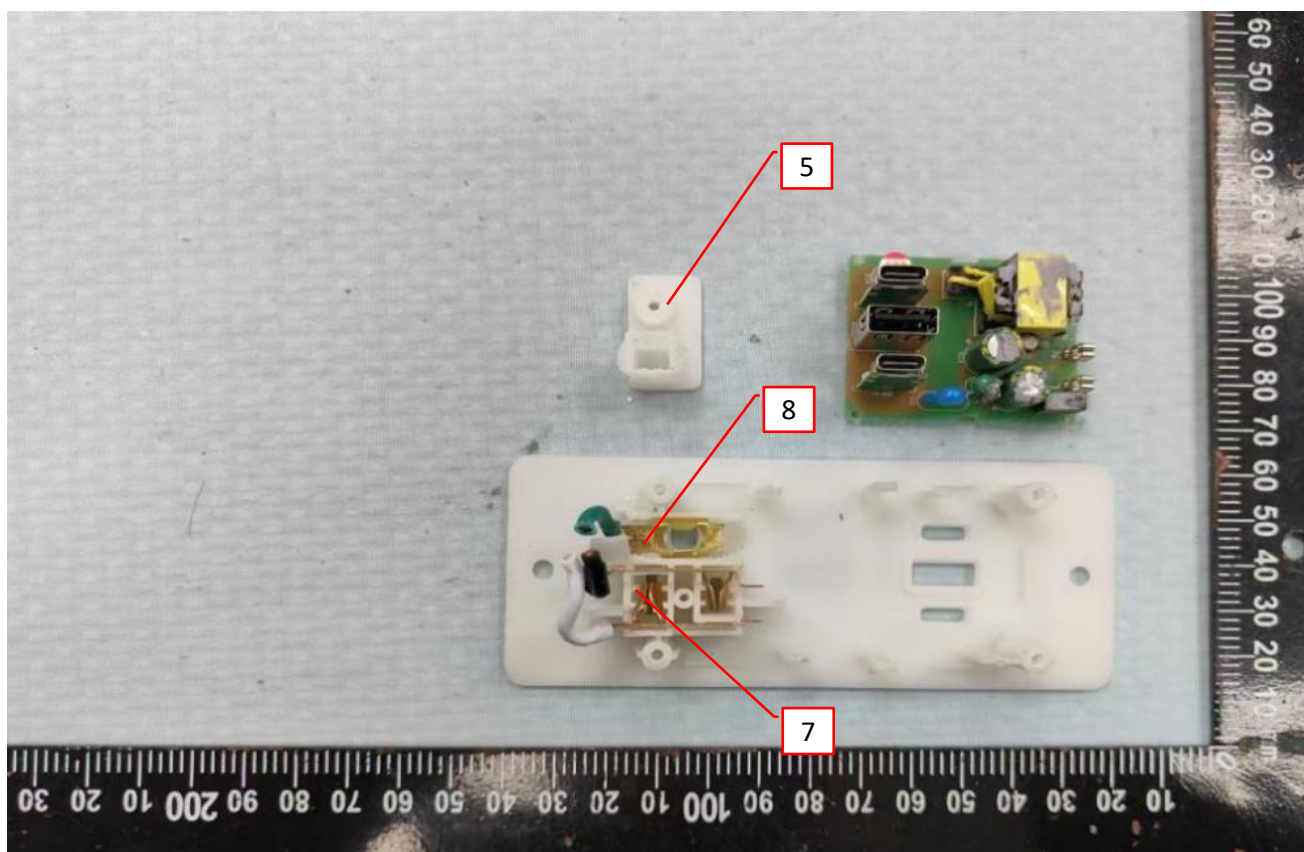
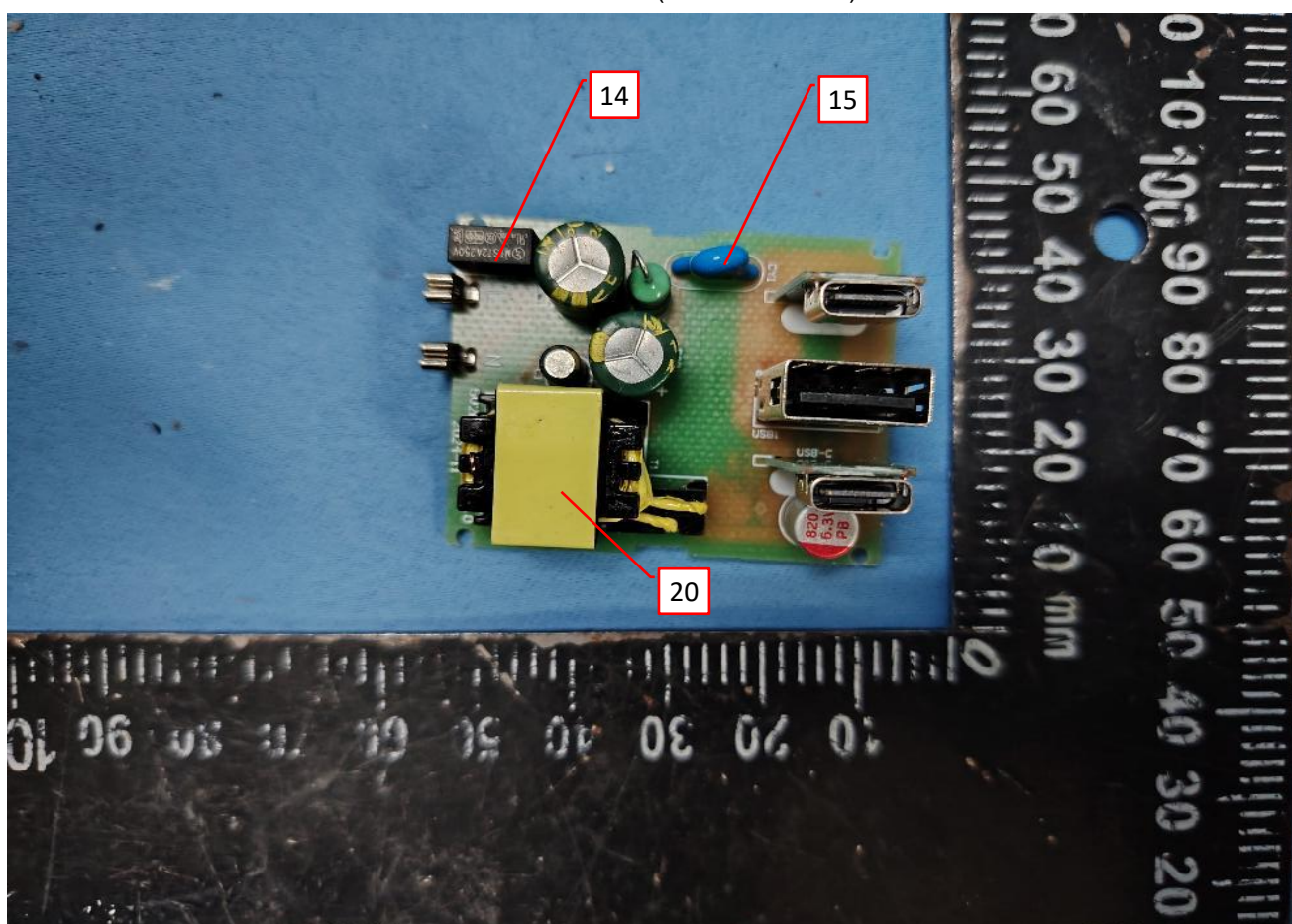


Photo 64 - Internal view of BAYU-AJ01ACC0524-12A. (USB module 10)



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Photo 65 - Internal view of BAYU-AJ01ACC0524-12A. (USB module 10)

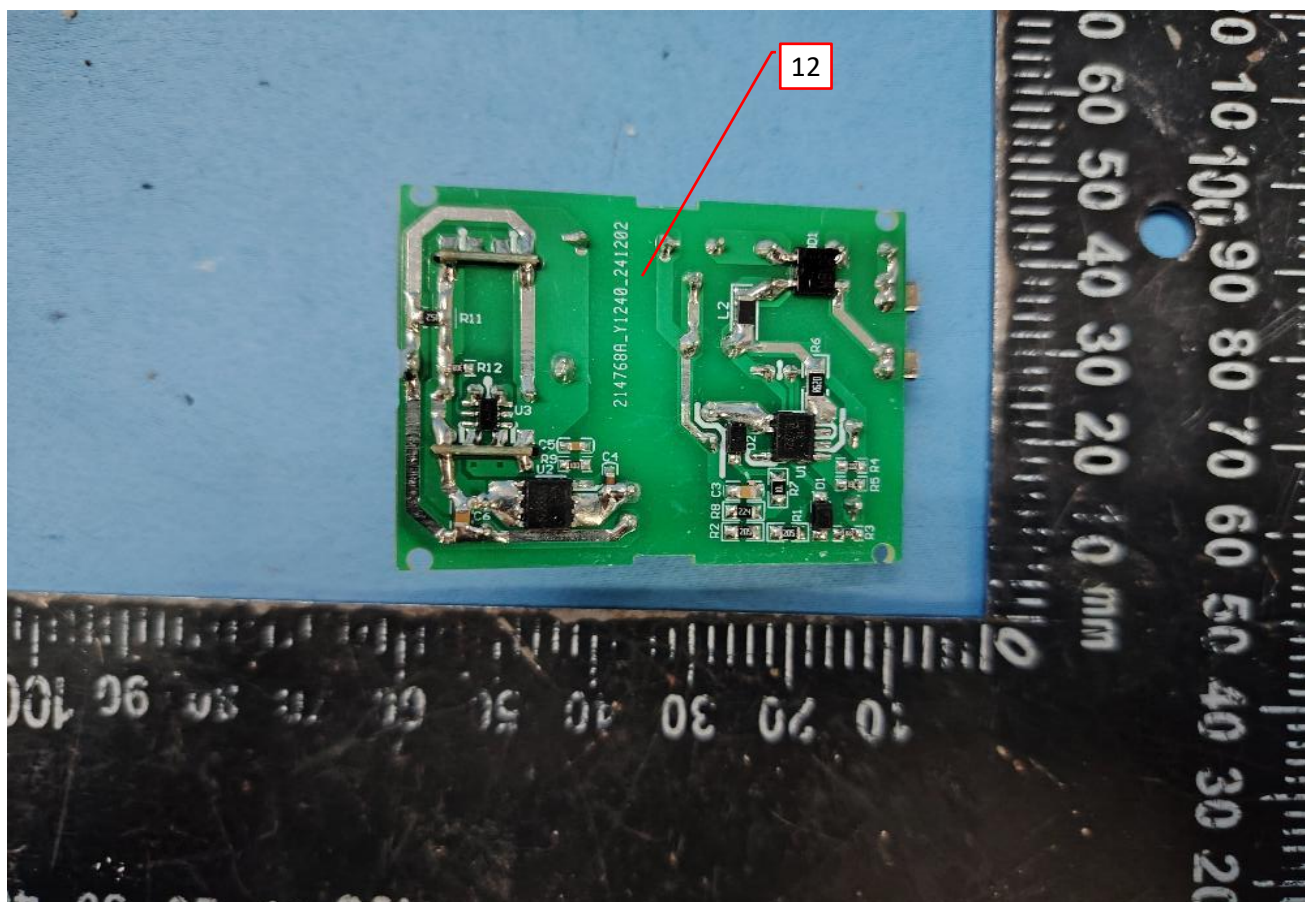


Photo 66 - External view of BAYU-AJ01ACC1215-12A.



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Photo 67 - Internal view of BAYU-AJ01ACC1215-12A.

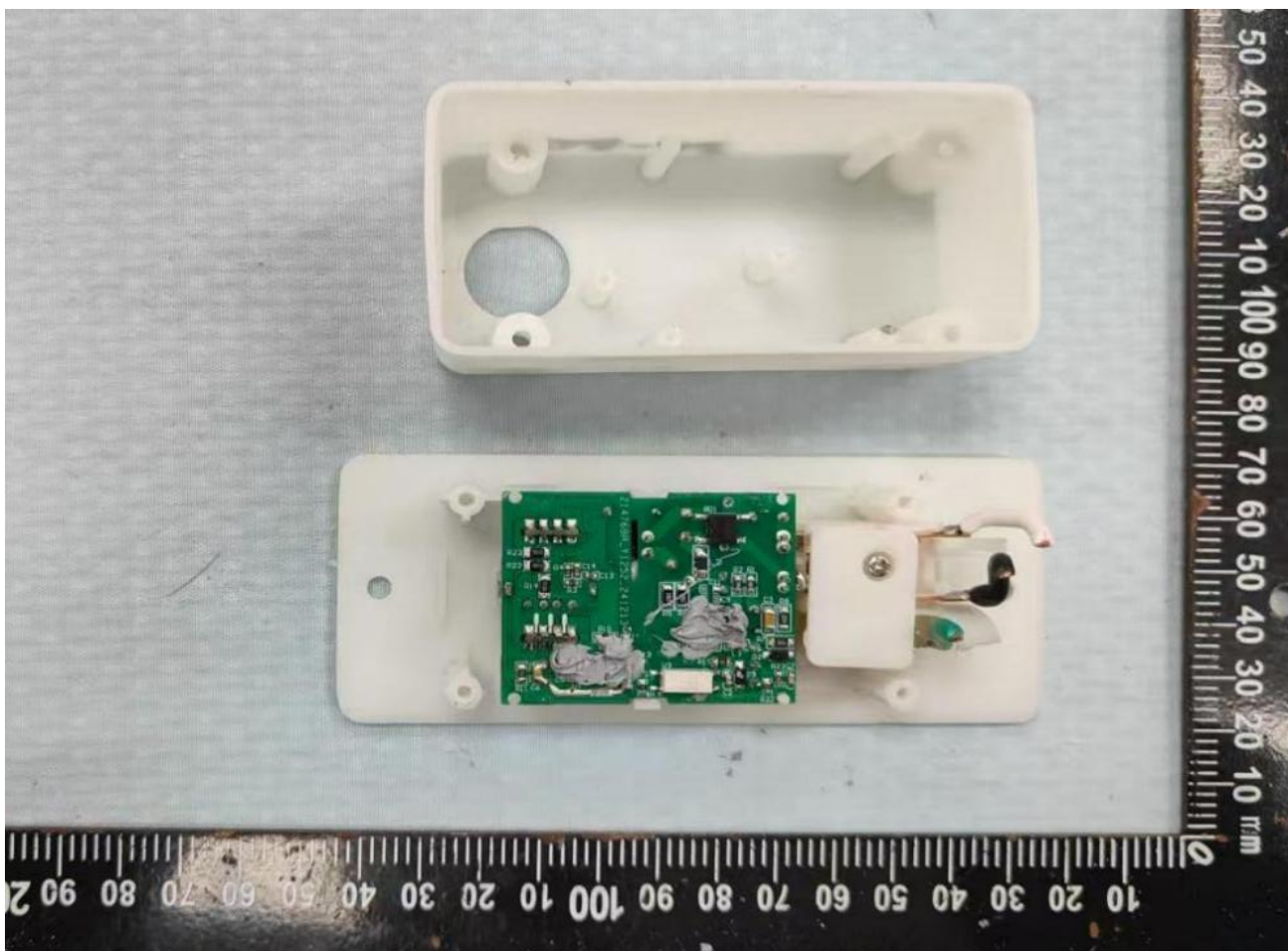
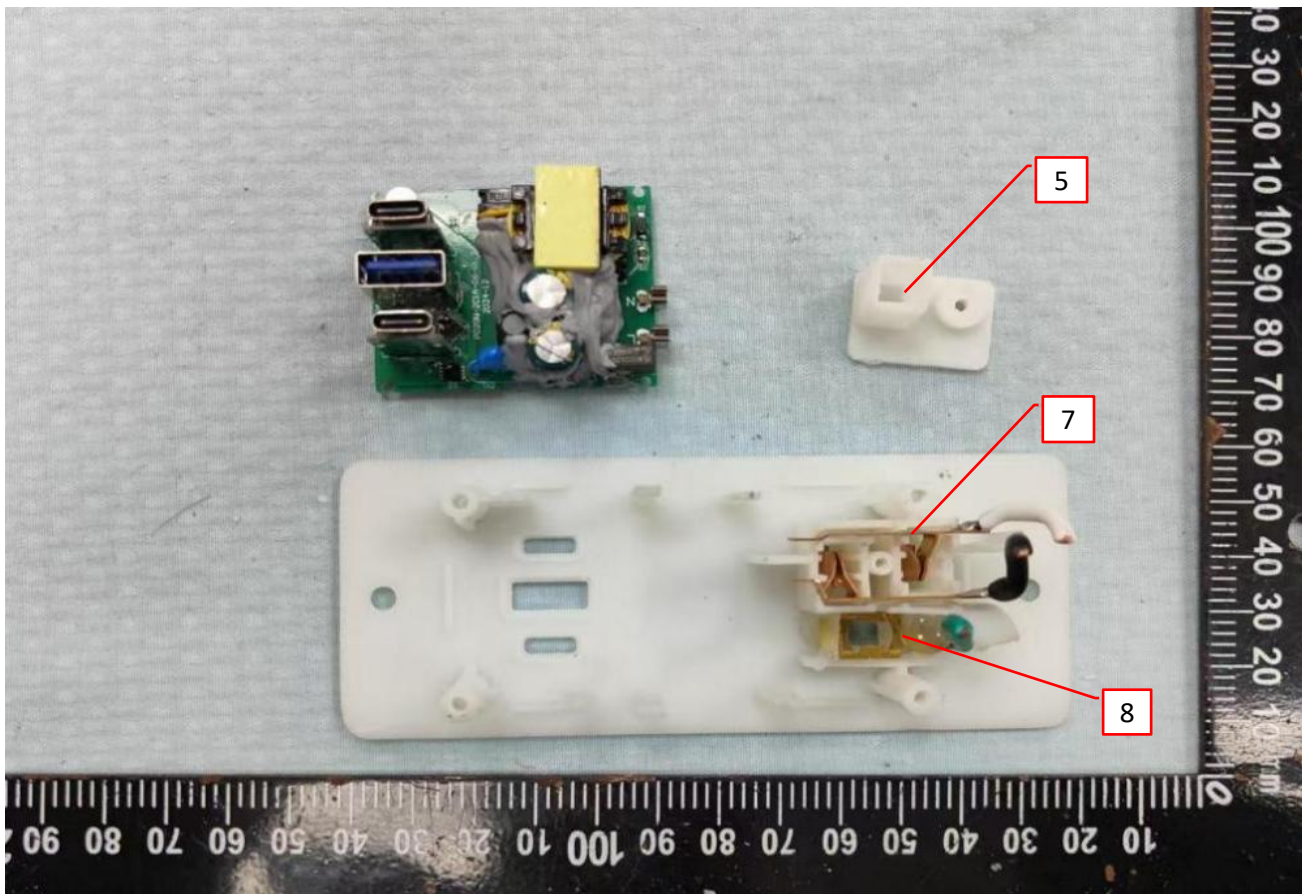


Photo 68 - Internal view of BAYU-AJ01ACC1215-12A.



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Photo 69 - Internal view of BAYU-AJ01ACC1215-12A. (USB module 12)

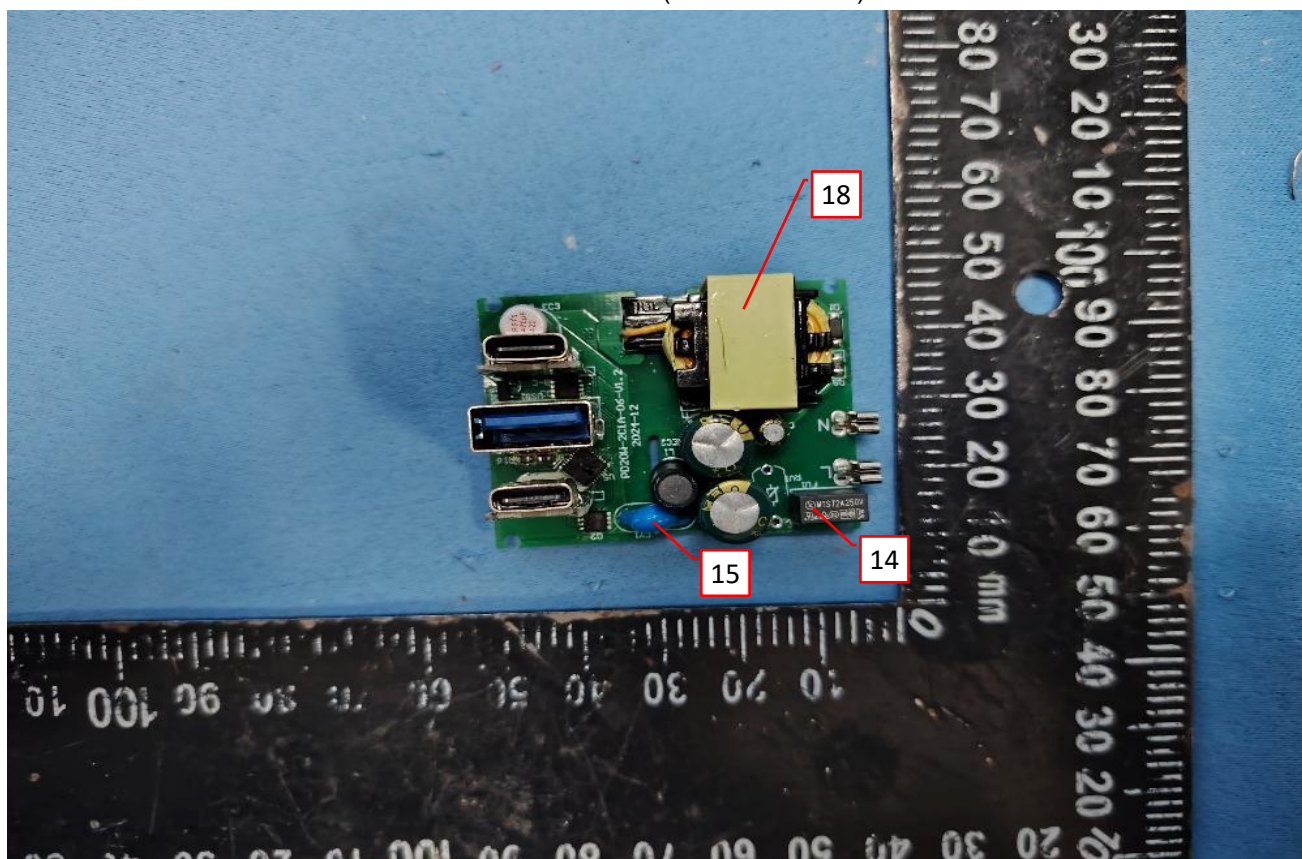
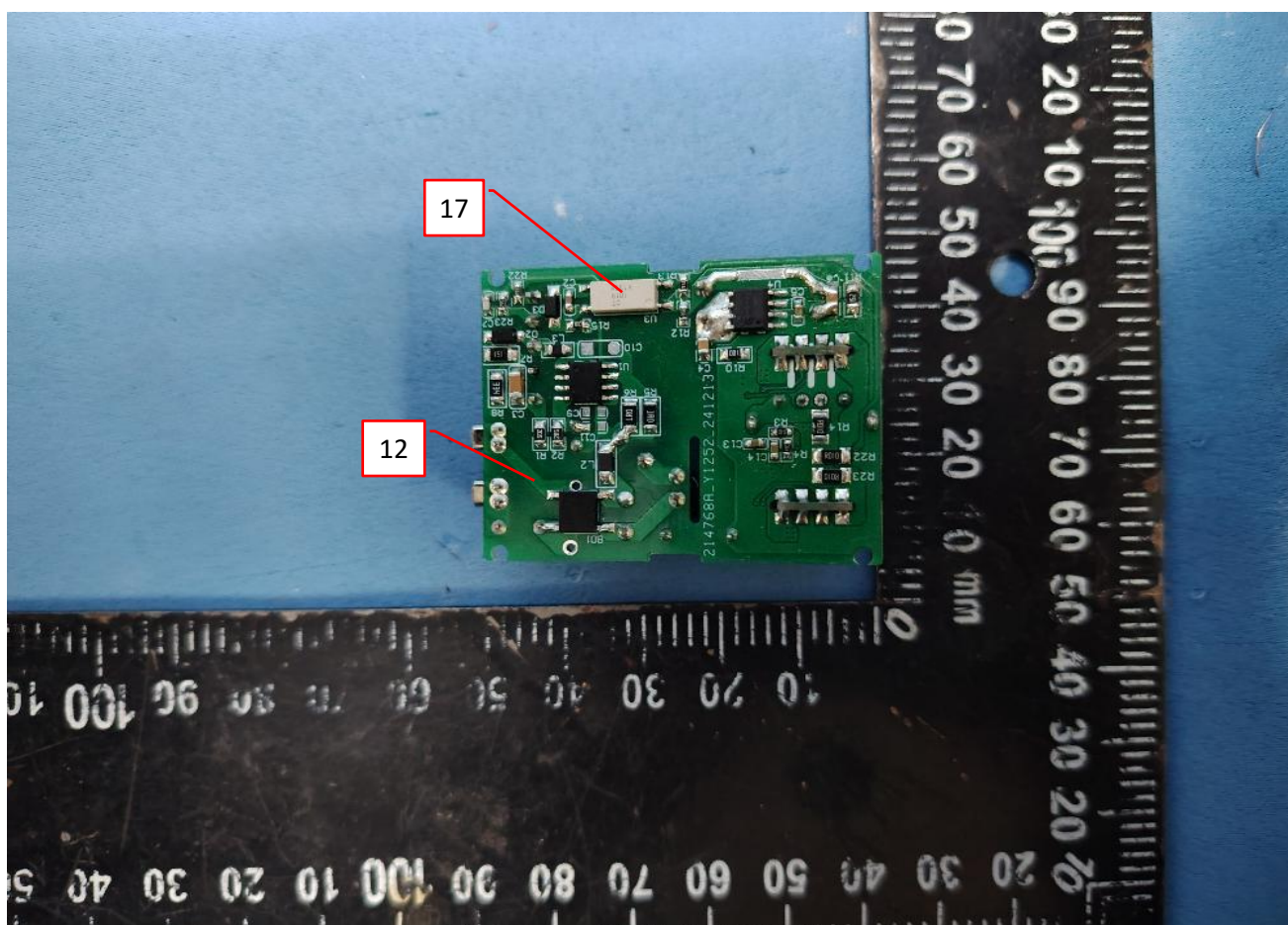
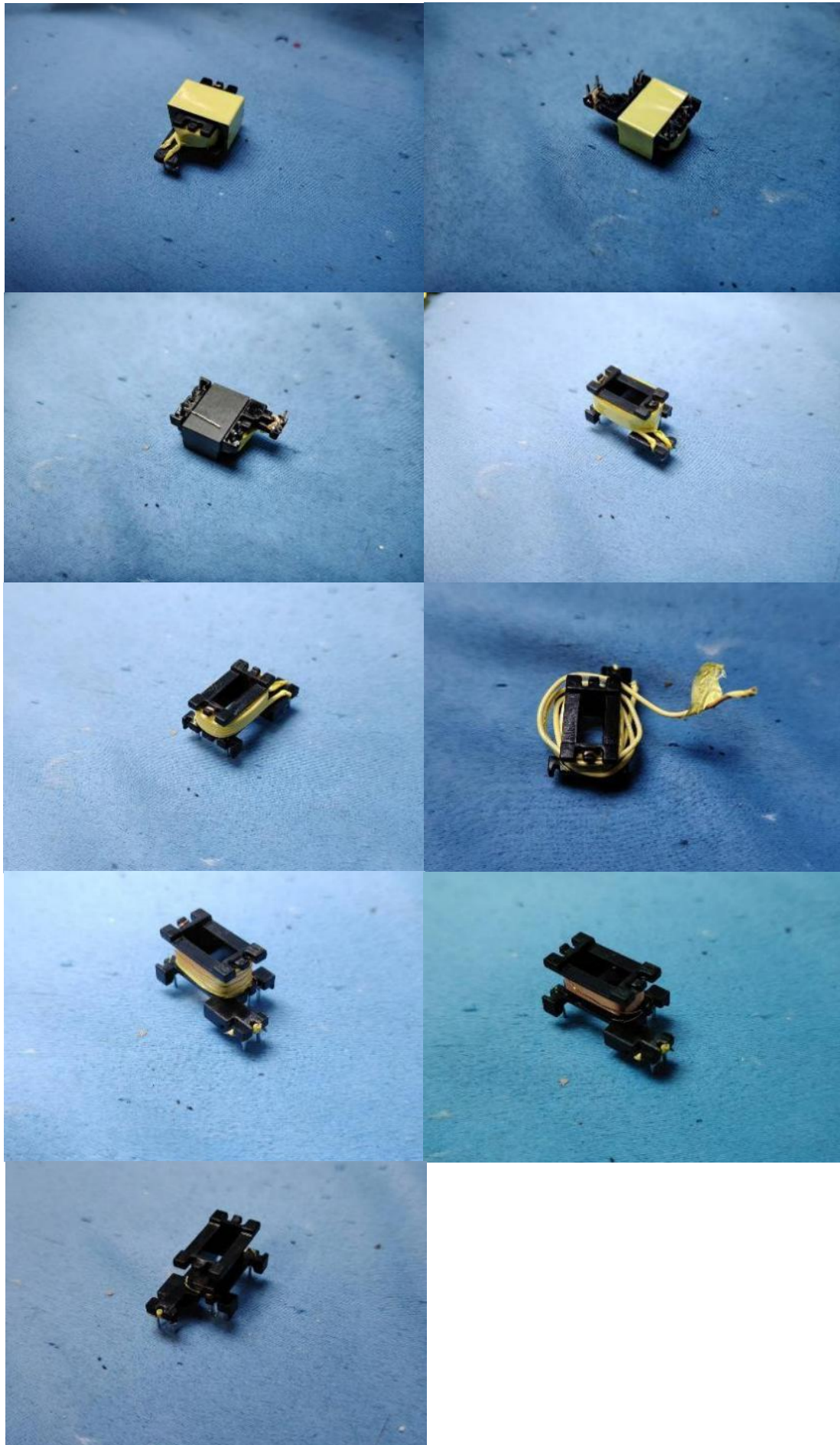


Photo 70 - Internal view of BAYU-AJ01ACC1215-12A. (USB module 12)



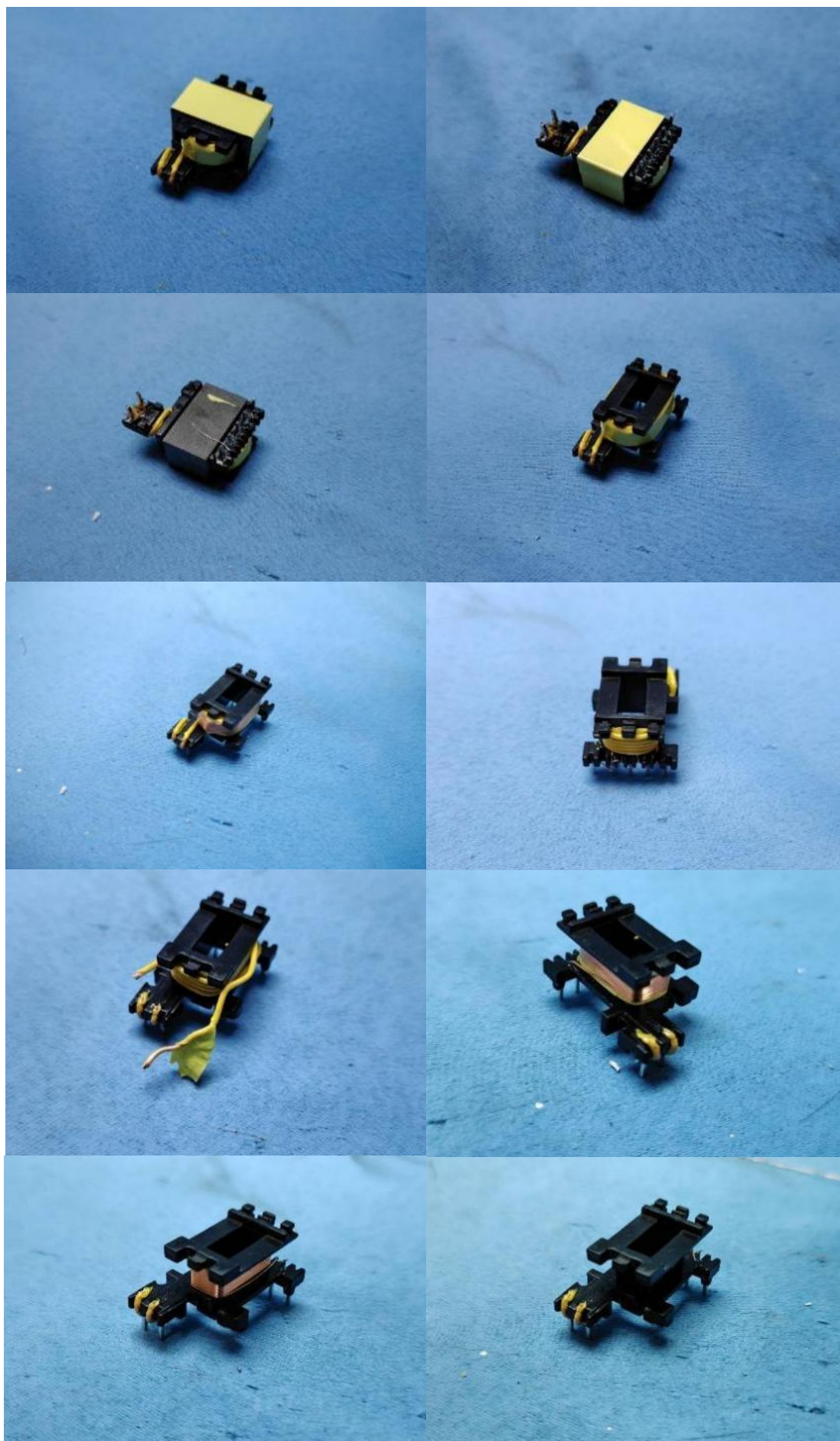
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Photo 71 - Transformer model EF1510-1.05mH view of USB module 1, 2, 3, 4, 9 and 10.



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Photo 72 - Transformer model EE1510-20W-D view of USB module 5, 6, 7, 8, 11 and 12.



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Photo 73 - External view of BAYU-AQ02AC1215-12A.

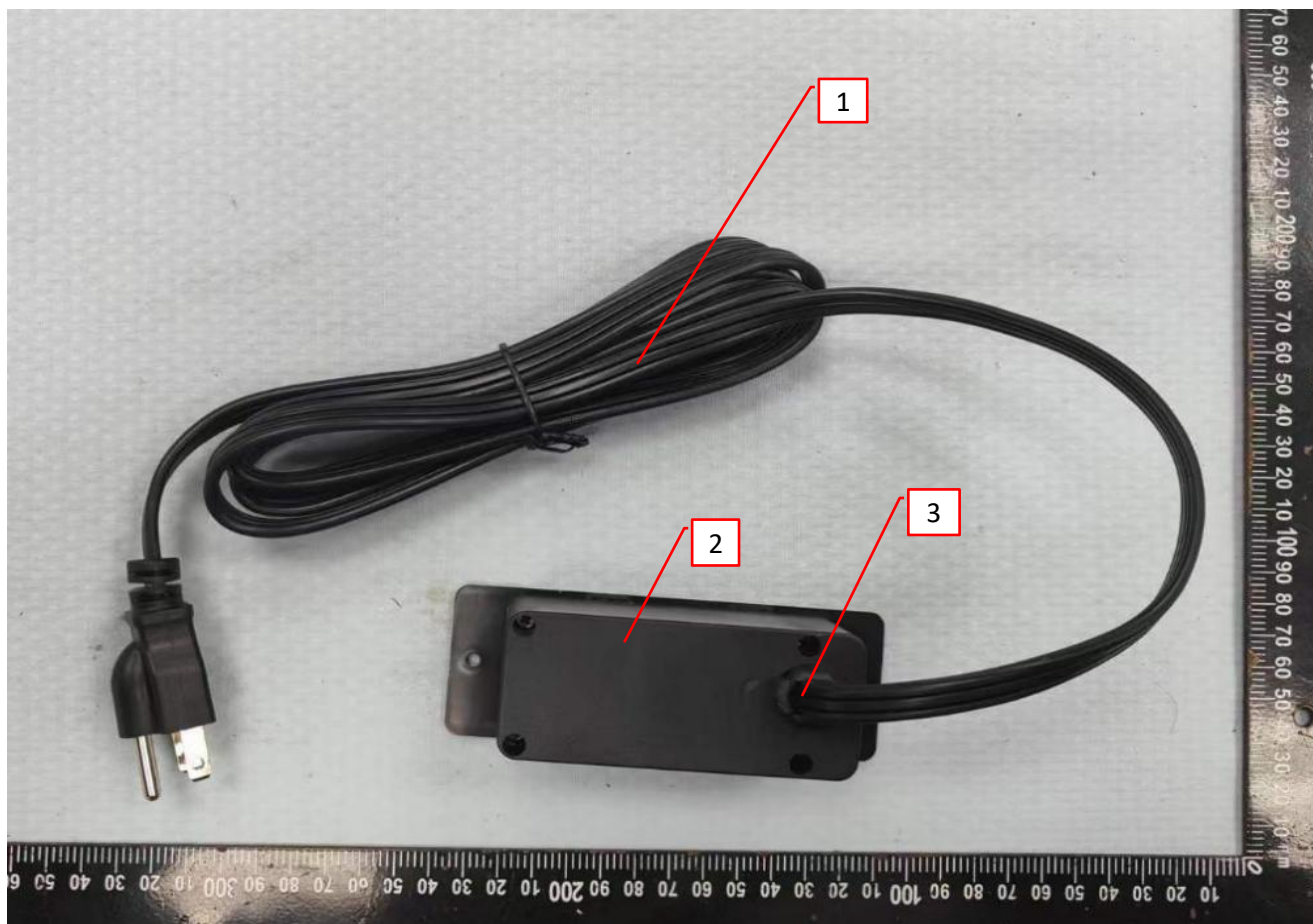


Photo 74 - External view of BAYU-AQ02AC1215-12A.

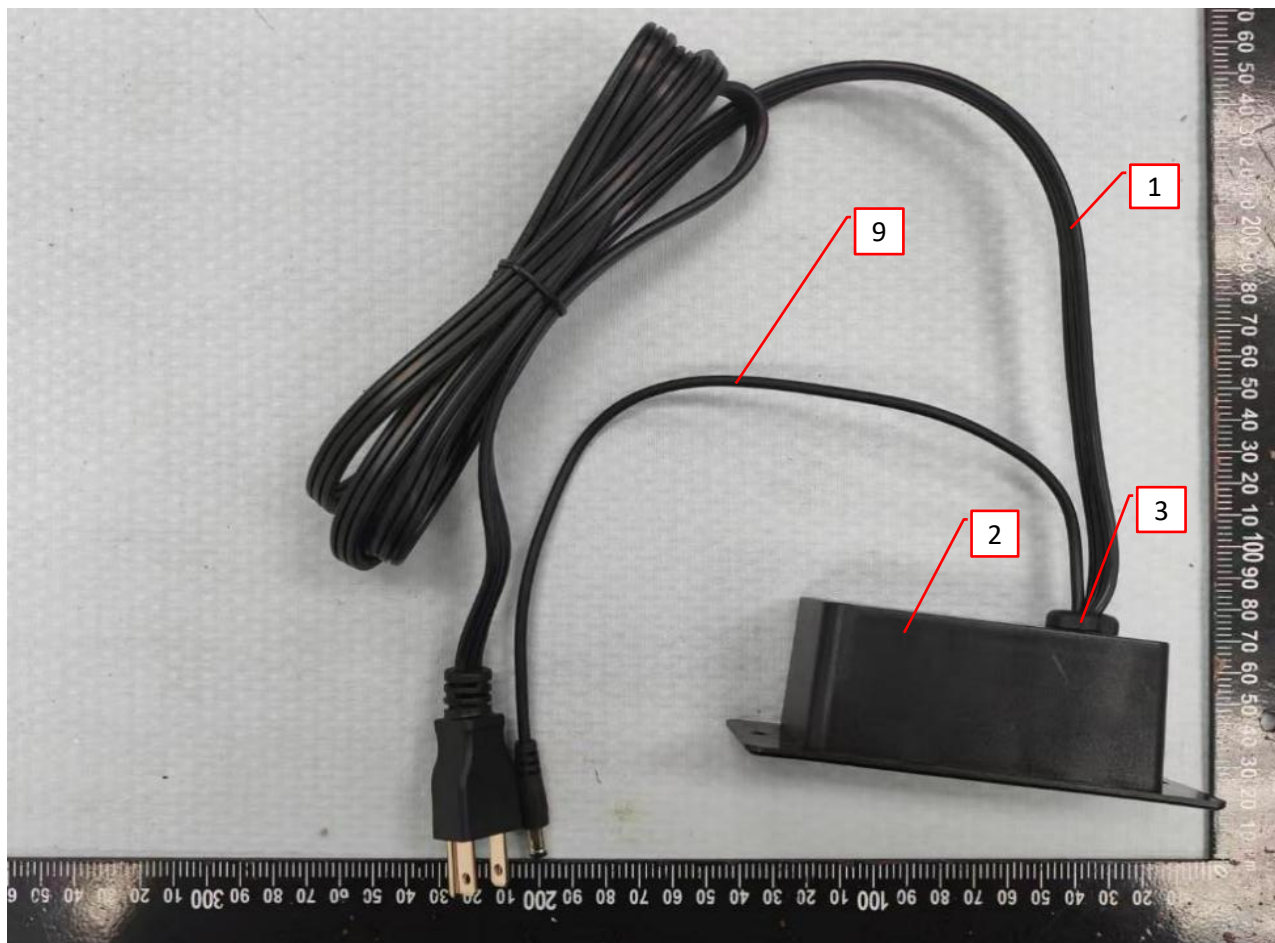


3.0 Product Photographs

Photo 75 - External view of BAYU-AQ02AC1215-12A.



Photo 76 - External view of BAYU-AQ02AA0524-12A-DC.



3.0 Product Photographs

Photo 77 - External view of BAYU-AQ02AA0524-12A-DC.



Photo 78 - External view of BAYU-AQ02AA0524-12A-DC.



3.0 Product Photographs

Photo 79 - External view of BAYU-AQ02AA0524-12A-USB.

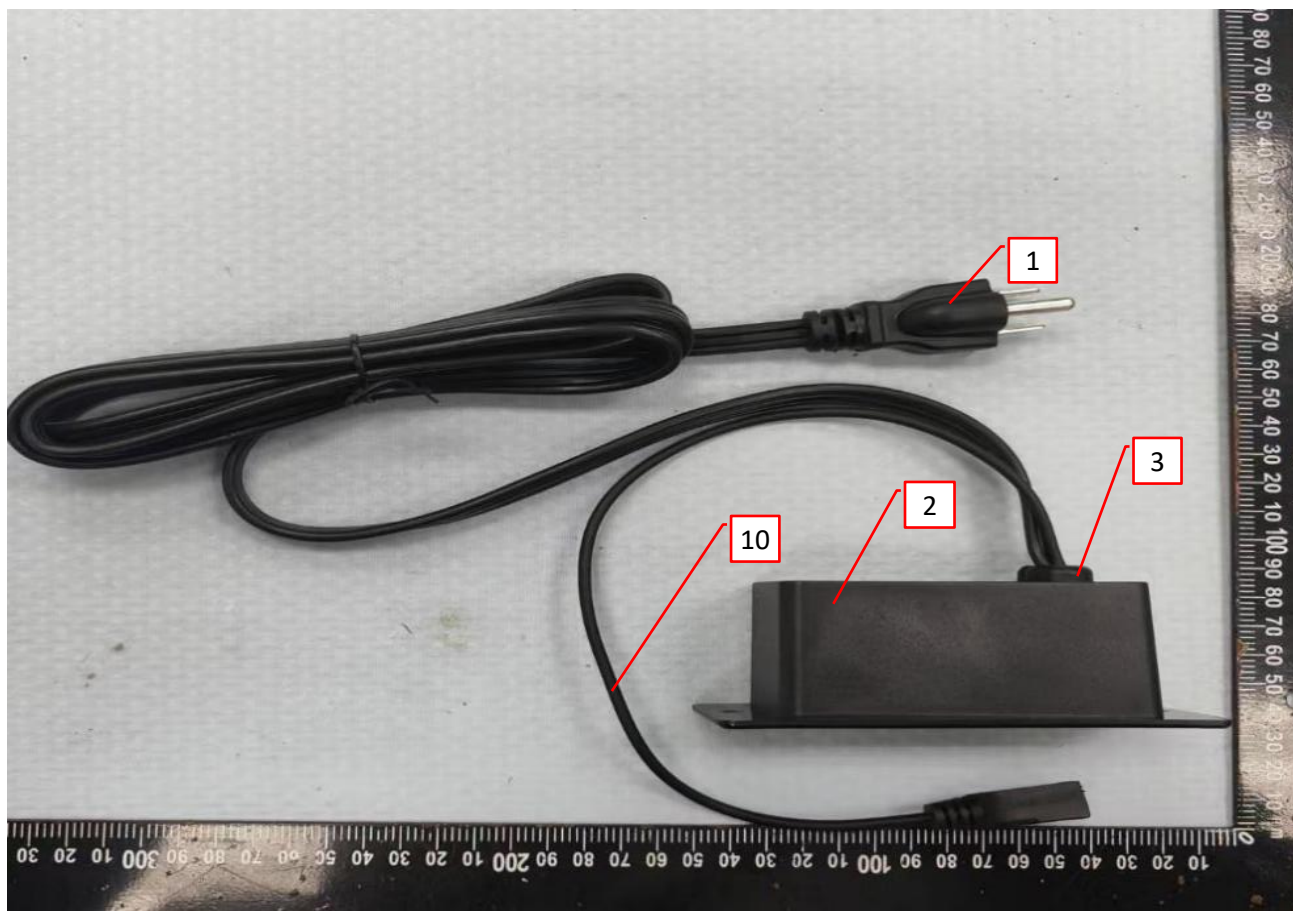


Photo 80 - External view of BAYU-AQ02AA0524-12A-USB.



3.0 Product Photographs

Photo 81 - External view of BAYU-AQ02AA0524-12A-USB.



Photo 82 - External view of BAYU-AS02AC0524-12A.



3.0 Product Photographs

Photo 83 - External view of BAYU-AJ02AC0524-12A.



Photo 84 - External view of BAYU-AQ02AC1215-12A-K.



3.0 Product Photographs

Photo 85 - External view of BAYU-AJ01AA series.



Photo 86 - External view of BAYU-AJ01AC series.



3.0 Product Photographs

Photo 87 - External view of BAYU-AQ02AA series.



Photo 88 - External view of BAYU-AQ02AC series.



3.0 Product Photographs

Photo 89 - External view of BAYU-AS02AA series.



Photo 90 - External view of BAYU-AS02AC series.



3.0 Product Photographs

Photo 91 - External view of BAYU-AJ02AA series.



Photo 92 - External view of BAYU-AJ02AC series.



3.0 Product Photographs

Photo 93 - External view of BAYU-AQ03AA series.



Photo 94 - External view of BAYU-AQ03AC series.



3.0 Product Photographs

Photo 95 - External view of BAYU-AJ03AA series.



Photo 96 - External view of BAYU-AJ03AC series.



3.0 Product Photographs

Photo 97 - External view of BAYU-AQ02AA series.



Photo 98 - External view of BAYU-AQ02AC series.



3.0 Product Photographs

Photo 99 - External view of BAYU-AQ04AA series.



Photo 100 - External view of BAYU-AQ04AC series.



4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1, 6, 10, 14, 18, 45, 73, 76, 79	1	Power supply cord	GUANGDONG DONGJU WIRE & CABLE CO LTD	DJ-007	Nondetachable power-supply cord, 5-15P Plug with SJT 14/3 or SJT/ SPT-3 16/3, 15A or 13A, 125V, SJT finished length: 0.46m to 7.6m, SPT-3 finished length: 0.46m to 4.8m. SJT/ SPT-3 16 AWG is only suitable for products rated 12A.	cULus
			Various	Various	Nondetachable power-supply cord, 5-15P Plug with SJT 14/3 or SJT/ SPT-3 16/3, 15A or 13A, 125V, SJT finished length: 0.46m to 7.6m, SPT-3 finished length: 0.46m to 4.8m. SJT/ SPT-3 16 AWG is only suitable for products rated 12A.	cULus or cETLus
1, 6, 10, 14, 18, 45, 73, 76, 79	2	Enclosure	Covestro Deutschland AG [PC Resins]	FR6065 + (z)	PC, all color, V-0, HWI 0, HAI 0, CTI 2, RTI 80 °C. detail dimension refer to illustration 3 to 33 of section 7.0.	cURus
2, 6, 10, 14, 18, 45, 73, 76, 79	3	Strain relief	JIANGXI GAOCHAO INDUSTRIAL CO LTD	6N-4	One provide. Suitable for use product with SJT or SPT-3 16/3. detail dimension refer to illustration 103.	cURus
			JIANGXI GAOCHAO INDUSTRIAL CO LTD	7N-2	One provide. Suitable for use product with SJT or SPT-3 14/3. detail dimension refer to illustration 104.	cURus
1	4	Overcurrent protector	APPROACH TECHNOLOGY INC	SS-007	OC, FW 0, 125Vac, 12A/ 15A, TC 2, OL 1, SC 1.0kA C1, Trip-free, cycling.	cURus
			BLACK-STONE ELECTRONICS CO LTD	BS-028-1	OC, FW 0, 125Vac, 12A/ 15A, TC 2, OL 1, SC 1.0kA C1, Trip-free, cycling.	cURus
			Rock Tek Electronics (Shenzhen) Co	WH-001	OC, FW 0, 125Vac, 12A/ 15A, TC 2, OL 1, SC 1.0kA C1, Trip-free, cycling.	cURus

4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
4, 8, 12, 16, 21, 26, 31, 36, 41, 48, 53, 58, 63, 68	5	Support live parts	Covestro Deutschland AG [PC Resins]	FR6065 + (z)	PC, all color, V-0, HWI 0, HAI 0, CTI 2, RTI 80 °C.	cURus
4	6	Internal cord (optional)	Various	Various	16/ 14AWG, Min 125Vac, 105°C, VW-1. 16 AWG is only suitable for products rated 12A.	cURus or cETLus recognized
4, 8, 12, 16, 21, 26, 31, 36, 41, 48, 53, 58, 63, 68	7	L/N contact	WAI SHING METAL PRODUCTS LIMITED	C2686R	Phosphor copper. Refer to illustration 35, 36, 38, 39, 40, 42, 43, 45, 46, 48, 49, 51, 52, 54, 55, 57, 58, 60, 61, 63, 64, 66, 67, 69, 70, 72, 73, 75, 76, 78, 79, 81, 82, 84, 85, 87, 88, 90, 91, 93, 94, 96, 97, 99, 100 and 102 for detailed dimensions	NR
4, 8, 12, 16, 21, 26, 31, 36, 41, 48, 53, 58, 63, 68	8	Grounding contact	WAI SHING METAL PRODUCTS LIMITED	C2686R	Phosphor copper. Refer to illustration 34, 37, 41, 44, 47, 50, 53, 56, 59, 62, 65, 68, 71, 74, 77, 80, 83, 86, 89, 92, 95, 98 and 101 for detailed dimensions	NR
6, 76	9	DC class 2 lead	Various	2464	22 to 20 AWG, VW-1, 80 deg C, 300 Vac, Max 10 feet.	UR or ETLus recognized
10, 79	10	USB-A class 2 lead	Various	2468	22 to 20 AWG, VW-1, 80 deg C, 300 Vac, Max 10 feet.	UR or ETLus recognized

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
14	11	Cord connector	Dongguan Power-Sun Ind Co Ltd	BCR-009	125Vac, 15A or 13A, SJT 14/3 or 16/3, not more than 1.8m. SJT 16 AWG is only suitable for products rated 12A.	cURus or cETLus recognized
			Various	Various	125Vac, 15A or 13A, SJT 14/3 or 16/3, not more than 1.8m. SJT 16 AWG is only suitable for products rated 12A.	cURus or cETLus recognized
23, 28, 33, 38, 43, 50, 55, 60, 65, 70	12	PCB	Shenzhen Jia Li Chuang Technology Development Co Ltd	JLC-1	V-0, 130°C, min. thickness: 1.2mm	cURus
			Various	Various	V-0, 130°C, min. thickness: 1.2 mm	cURus
22, 27, 32, 37, 42	13	Internal wire (optional)	SHENZHEN DINGYU ELECTRICAL TECHNOLOGY CO LTD	3239	22AWG, 200°C, 300Vac, VW-1	cURus or cETLus recognized
			Various	3239	Min. 22AWG, 200°C, 300Vac, VW-1	cURus or cETLus recognized
22, 27, 32, 37, 42, 49, 54, 59, 64, 69	14	Fuse (FU1)	Dongguan Reomax Electronics Technology Co Ltd	MTS	8.4x 8.2x 4 mm, T2A 250Vac	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
22, 27, 32, 37, 42, 49, 54, 59, 64, 69	15	Y-Capacitor (CY1)	JYA-NAY CO LTD	JN	Y1 type, 400V, 125°C, 1000pF max.	cURus
22, 27, 32, 37, 42	16	Insulation sheet (Not show)	CHENGDU KANGLONGXIN PLASTICS CO LTD	KLX PP BK-10 KLX PP BK-10-1 KLX PP BK-10-2 KLX PP BK-10-3 KLX PP BK-10-83 KLX PP BK-10-HY KLX PP BK-10-NTC KLX PP BK-10-YM KLX PP BK-10-KS KLX PP BK-12 KLX PP BK-17	PP, V-0, min. Thickness: 0.4mm, 110°C	cURus
23, 38, 60, 70	17	Optocoupler (U3)	CT Microelectronics Far East Ltd	CT1019	Double protection optical isolators rated for 5000 vac, 120°C	cURus
22, 37, 59, 69	18	Transformer	DONGGUAN BAIYOU ELECTRONIC CO LTD	EE1510-20W-D	Class B, Input: 110-250V~, 50/60Hz; Output: 5-20Vdc, Max. 3A, Max. 20W.	NR
22, 37, 59, 69	19	Insulation system (Not show)	JIA SHENG YUAN ELECTRONICS CO LTD	DASH 2 B-19	Class 130°C (B) electrical insulation system. Used for item 18 transformer.	UR
27, 32, 42, 49, 54, 64	20	Transformer	DONGGUAN BAIYOU ELECTRONIC CO LTD	EF1510-1.05mH	Class B, Input: 110-250V~, 50/60Hz; Output: 5Vdc, 2.4A, Max. 12W.	NR

4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
27, 32, 42, 49, 64	21	Insulation system (Not show)	JIA SHENG YUAN ELECTRONICS CO LTD	DASH 2 B-19	Class 130°C (B) electrical insulation system. Used for item 20 transformer.	UR
1	22	Label (Not show)	Various	Various	Suitable for use on PC surface, rated minimum 60 degree C.	cURus

NOTES:

- 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
- 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
- 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 3/64 inch (1.2 mm) minimum spacing are maintained through air and oversurfaces of between uninsulated live parts of opposite polarity and 6.4 mm minimum between such uninsulation current-carrying parts and the walls of a metal enclosure or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within an enclosure constructed with no openings other than those specifically described in Sections 4.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord.
6. Polarized Connection - This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
8. Schematics - Refer to Section 7 Illustration 105 to 111, 113 to 118 for schematics requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked on a labeling system as described in item no. 22 of Section 4.0 or by a permanent method such as molding into polymeric enclosure or printing, painting onto polymeric enclosure with:
 - a. Model number according to Section 2.0;
 - b. Rating according to Section 2.0;
 - c. USB rating or/ and "class 2" beside USB port and class 2 lead visible after installation;
 - e. Applicant's name according to Section 1.0 or Brand name according to Section 2.0;
 - f. Date code: The date or other dating period of manufacture not exceeding any three consecutive months.

6.0 Critical Features

10. Cautionary Markings - The following are required:
"CAUTION: To Reduce the Risk of Electric Shock – For indoor use in dry locations only" or equivalent.
"ATTENTION: Pour réduire le risque de choc électrique - Pour une utilisation en intérieur dans des endroits secs uniquement" or equivalent.

Following cautionary markings applicable only when the product with SPT-3 cord:
"For Household Use Only." or equivalent.
"Pour usage domestique seulement." or equivalent.

Following cautionary markings applicable only when the product with 2 – 4 receptacles with SJT 3 x 16AWG power supply cord without supplementary overcurrent protection:
"Suitable for Household (Residential) use only." or equivalent.
"Convient pour l'usage domestique (résidentiel) seulement." or equivalent.
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer.
12. Production Control - NA
13. Transformer - Supplier records must be provided that indicate the received shipment of transformers (Section 4.0, items 18 and 20) was constructed as indicated in Section 7.0 Illustrations 112 and 119. These records must be available at the factory for inspection on every received shipment.
14. Logo Dependent Marking - The required marking is not dependent on the specific ETL logo applied to the product as authorized by the Authorization to Mark.

7.0 Illustrations

Illustration 1 - Table of version differences per model number.

Section	Item	Specific Difference	logo restriction
4	1, 4	Model BAYU series with SJT/ SPT-3 3 × 16AWG cord without overcurrent protector and no more than 3 receptacle outlets including cord connector.	ETLus only
4	1, 4	Model BAYU series with SJT/ SPT-3 3 × 16AWG cord with overcurrent protector and more than 3 receptacle outlets including cord connector. Model BAYU series with SJT 3 × 14AWG cord with/without overcurrent protector.	None

7.0 Illustrations

Illustration 2 - Model Similarity.

BAYU	-	AS	01	AA	0524	-	12A	-	K	-	AC
I		II	III	IV	V		VI		VII		VIII

I - Model designation = BAYU

II - Series model = AS or AQ or AJ

III - Number of receptacles (not including cord connector): 01 = one receptacle

02 = two receptacles

03 = three receptacles

04 = four receptacles

05 = five receptacles

06 = six receptacles

IV – USB model output type: AA = USB-A + USB-A

AC = USB-A + USB-C

ACC = USB-A + USB-C + USB-C

V - USB module output parameters: 0524 = USB output Max 5Vdc 2.4A 12W

1215 = USB output Max PD20W

VI - Rating current: 12A = Max output 12A, Number of AC receptacles not more than 4 with 16AWG cord

15A = Max output 15A, Number of AC receptacles 1 to 6, with 14AWG cord

VII - Overcurrent protector: Blank = Without overcurrent protector

K = With overcurrent protector. When the number of total receptacles is greater than or equal to 4, it must be equipped with overcurrent protection.

VIII – Cord connector or class 2 lead: Blank = Without cord connector or class 2 lead

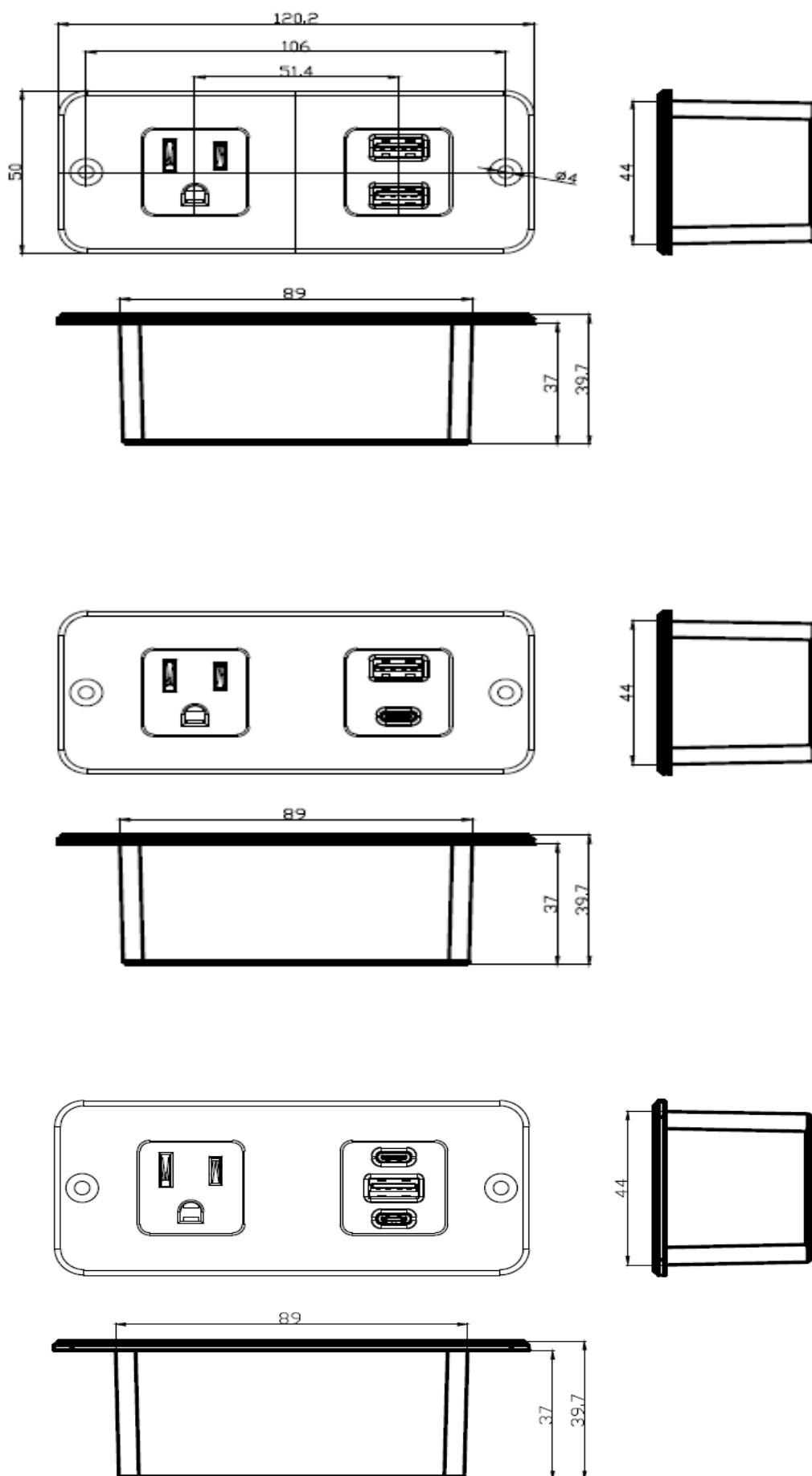
AC = Cord connector with one receptacle

DC = DC outlet class 2 lead

USB = USB-A outlet class 2 lead

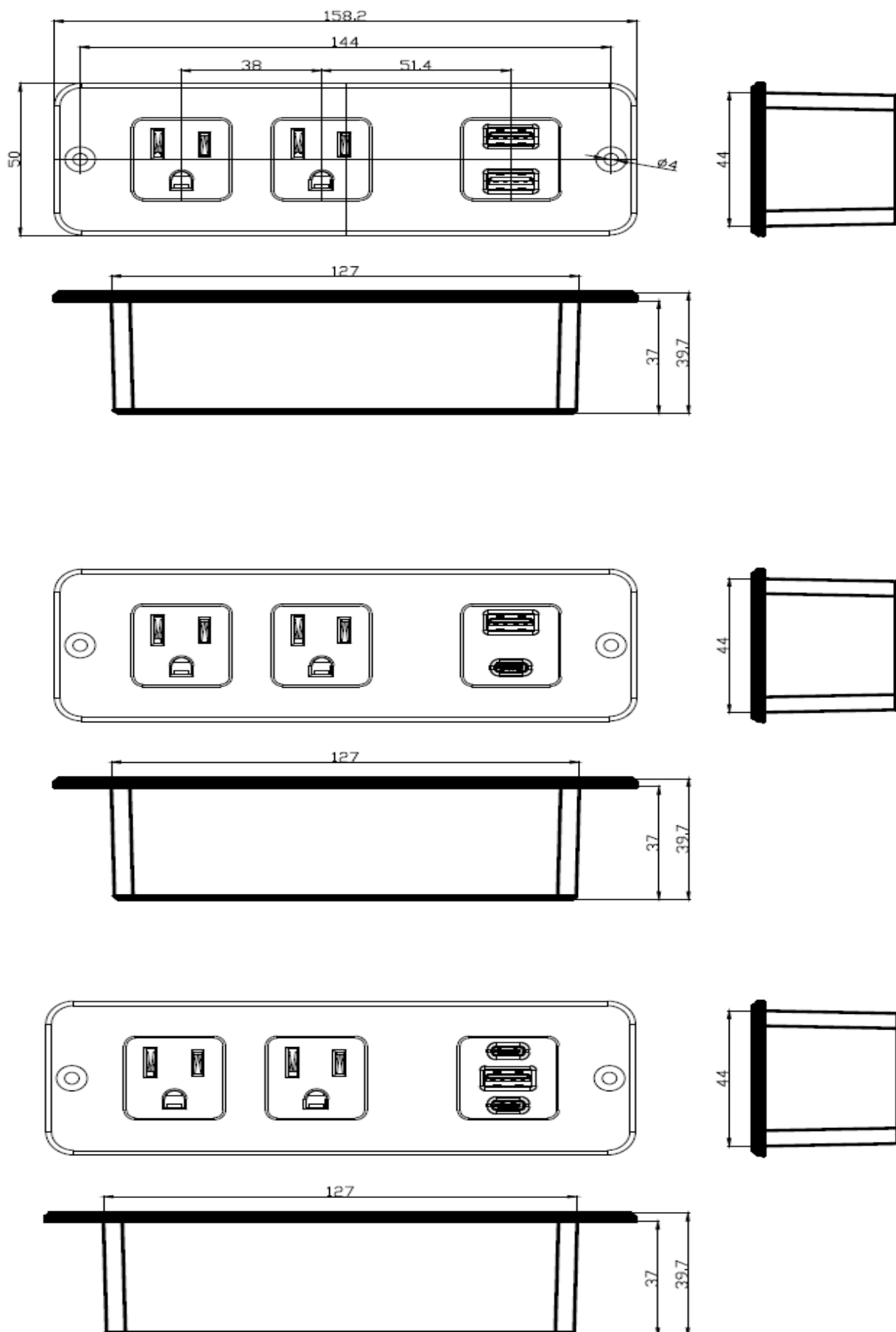
7.0 Illustrations

Illustration 3 - Dimension of model BAYU-AJ01AA series, BAYU-AJ01AC series and BAYU-AJ01ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



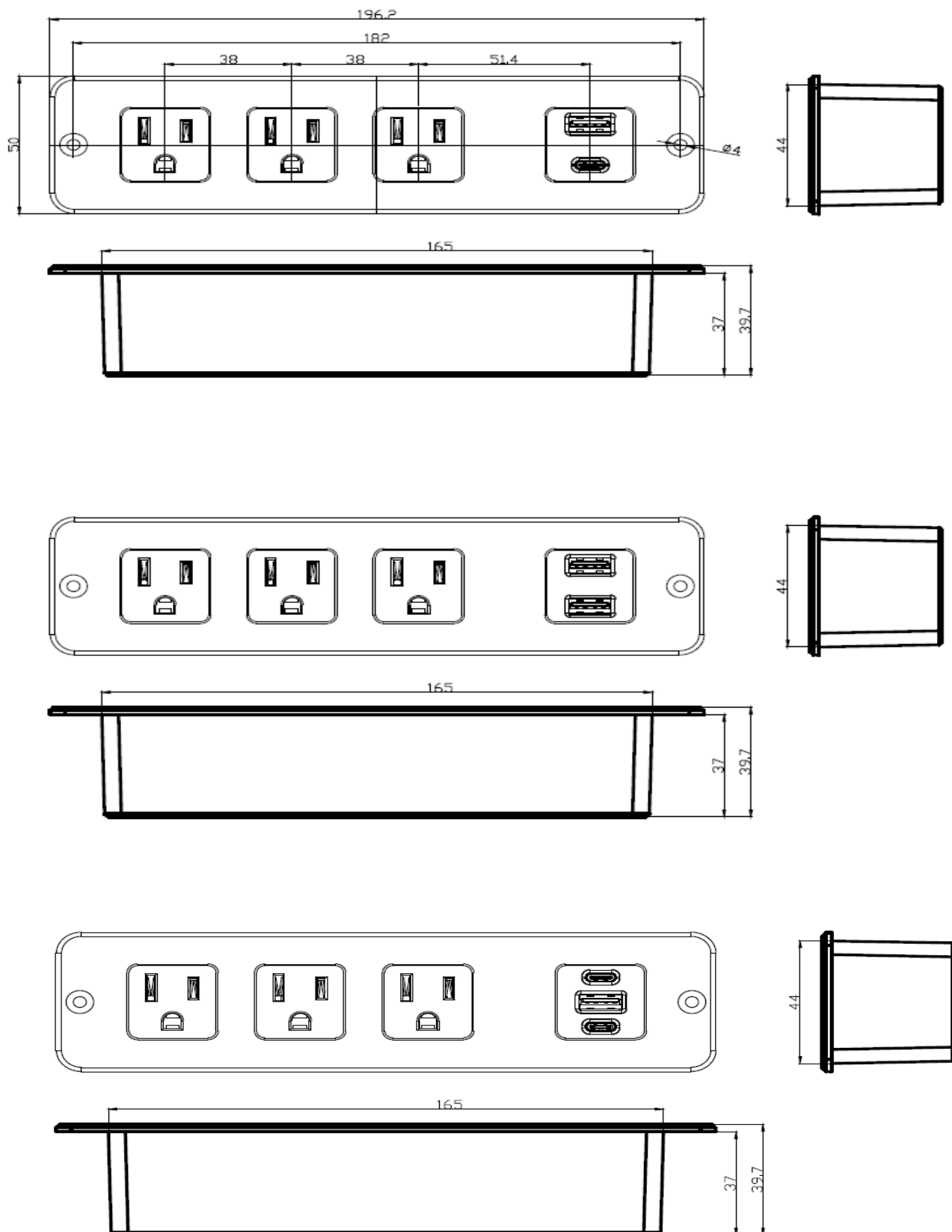
7.0 Illustrations

Illustration 4 - Dimension of model BAYU-AJ02AA series, BAYU-AJ02AC series and BAYU-AJ02ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



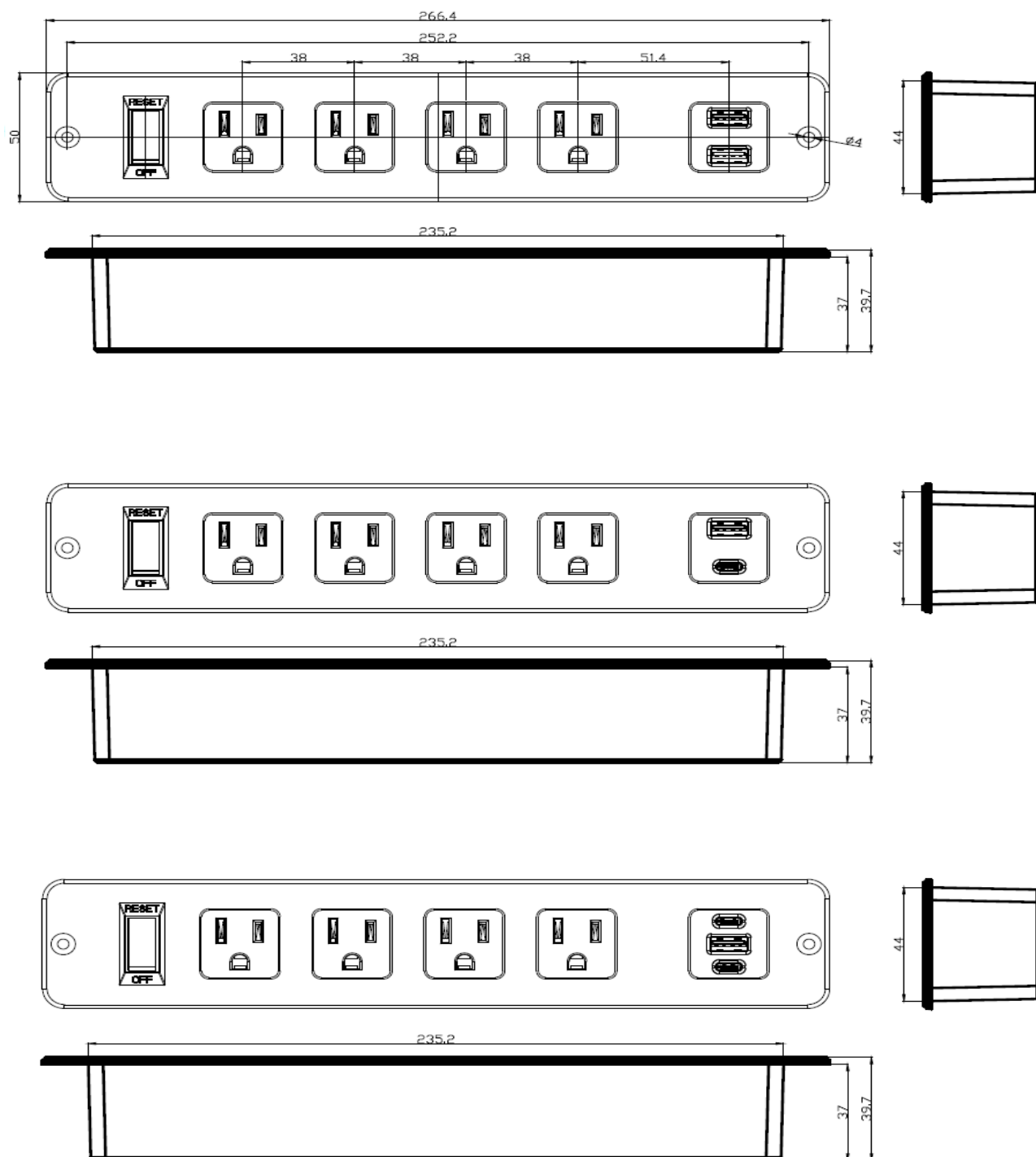
7.0 Illustrations

Illustration 5 - Dimension of model BAYU-AJ03AA series, BAYU-AJ03AC series and BAYU-AJ03ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



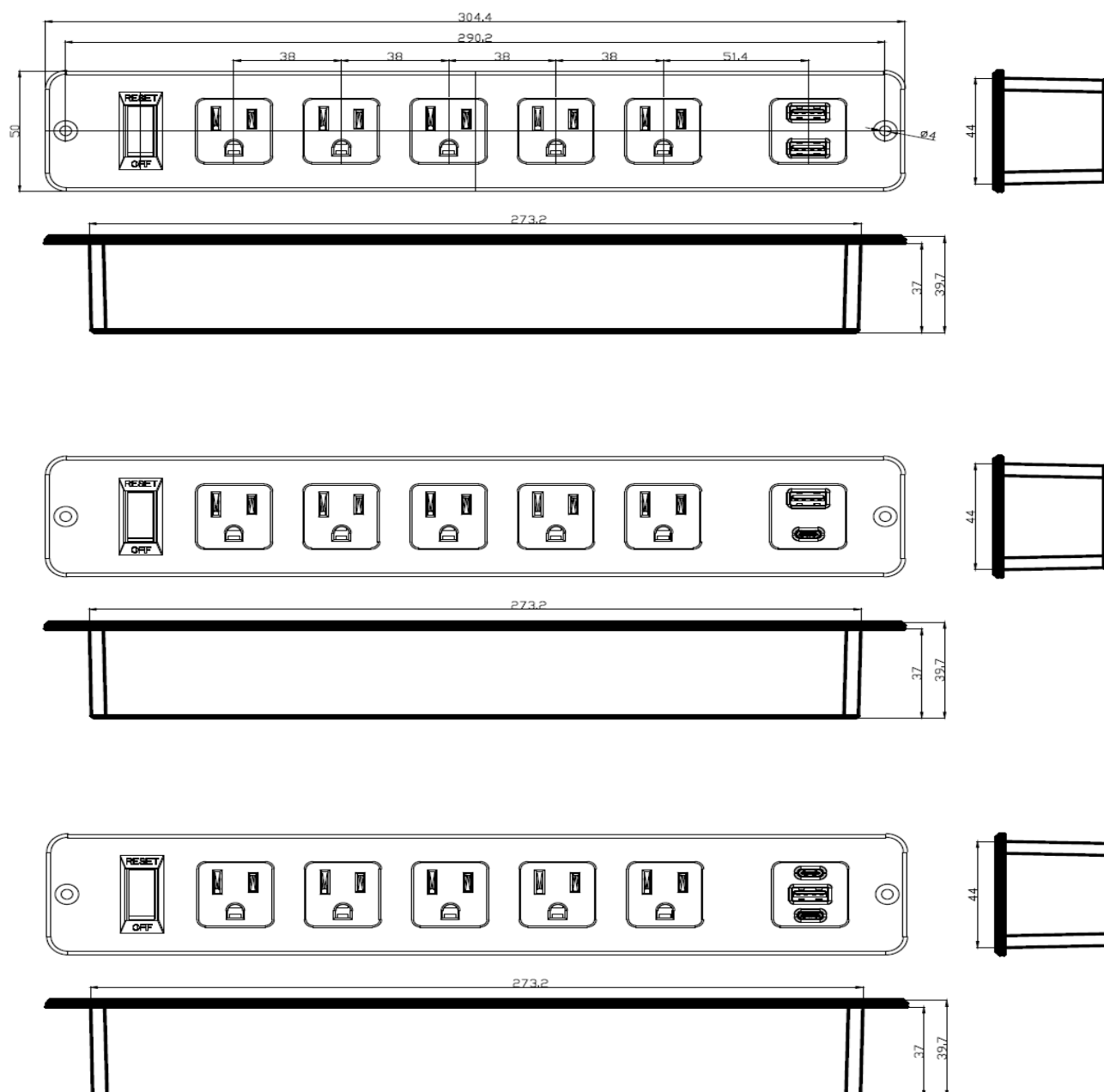
7.0 Illustrations

Illustration 6 - Dimension of model BAYU-AJ04AA series, BAYU-AJ04AC series and BAYU-AJ04ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



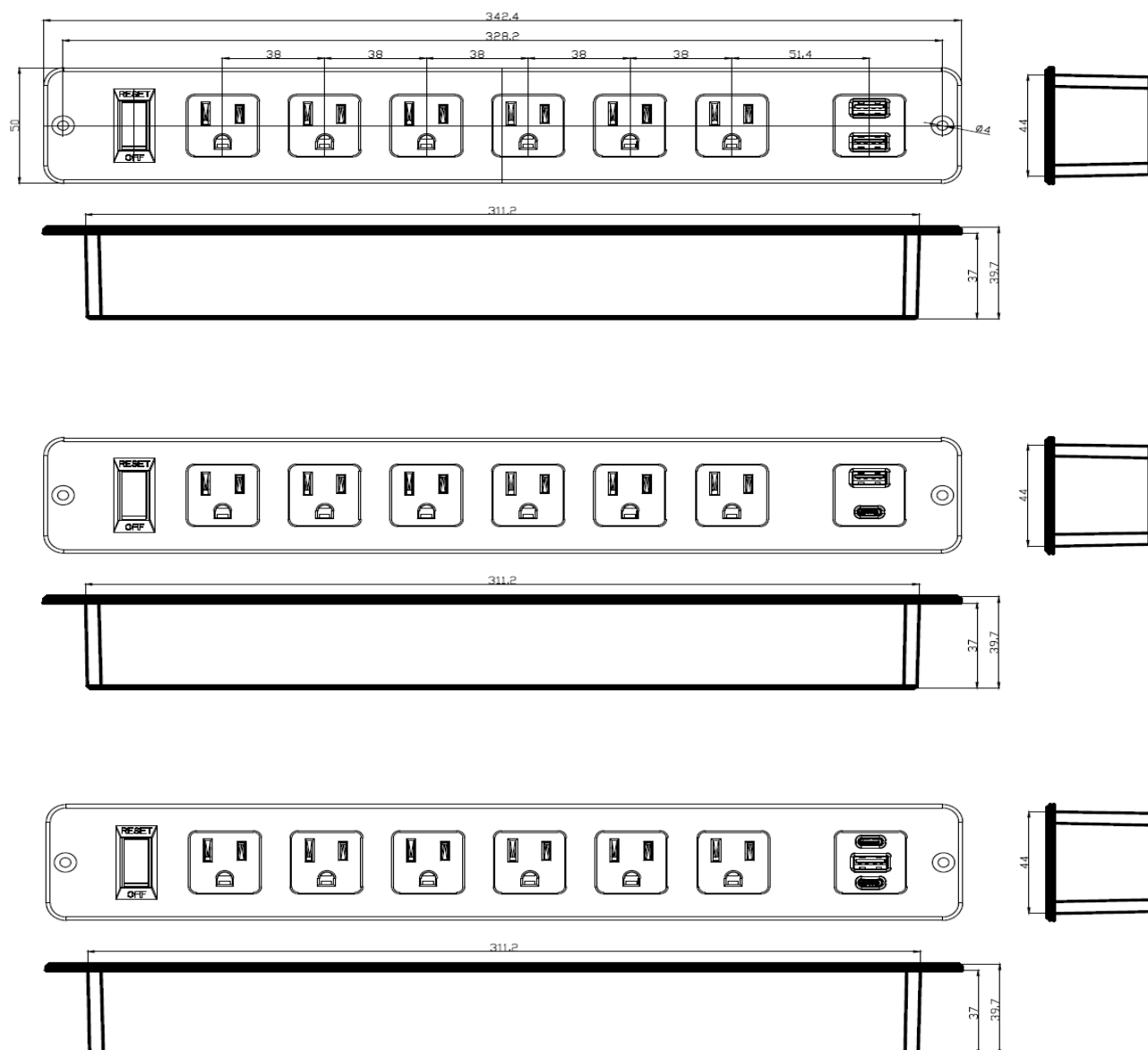
7.0 Illustrations

Illustration 7 - Dimension of model BAYU-AJ05AA series, BAYU-AJ05AC series and BAYU-AJ05ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 8 - Dimension of model BAYU-AJ06AA series, BAYU-AJ06AC series and BAYU-AJ06ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 9 - Dimension of model BAYU-AJ01-12A-K series and BAYU-AJ01-15A-K series with OCP and without USB module with OCP. (Unit: mm, Tolerance: ± 2 mm)

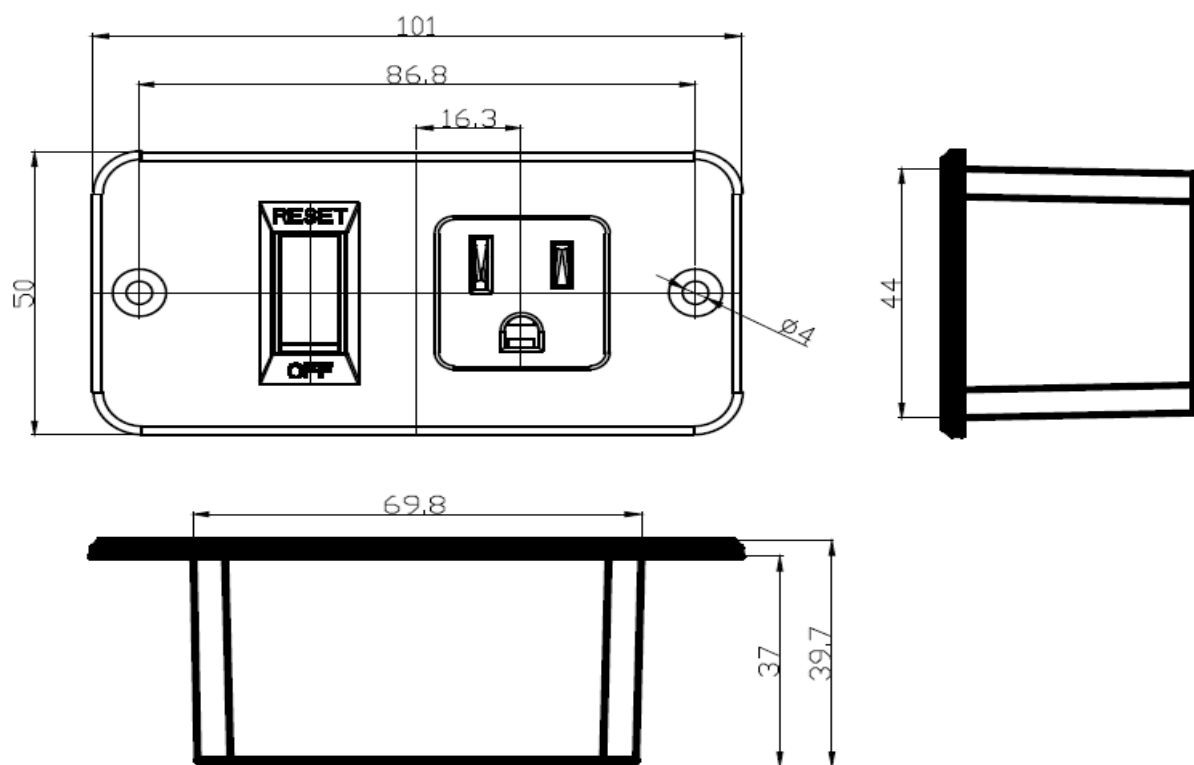
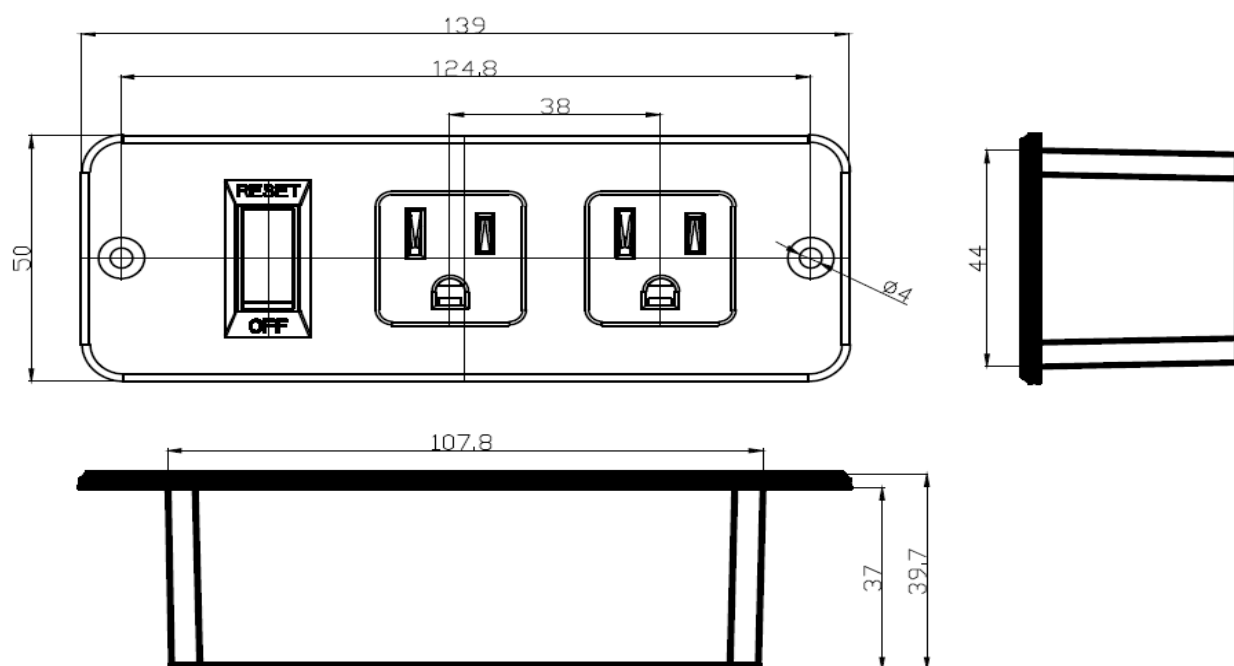


Illustration 10 - Dimension of model BAYU-AJ02-12A-K series and BAYU-AJ02-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 11 - Dimension of model BAYU-AJ03-12A-K series and BAYU-AJ03-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)

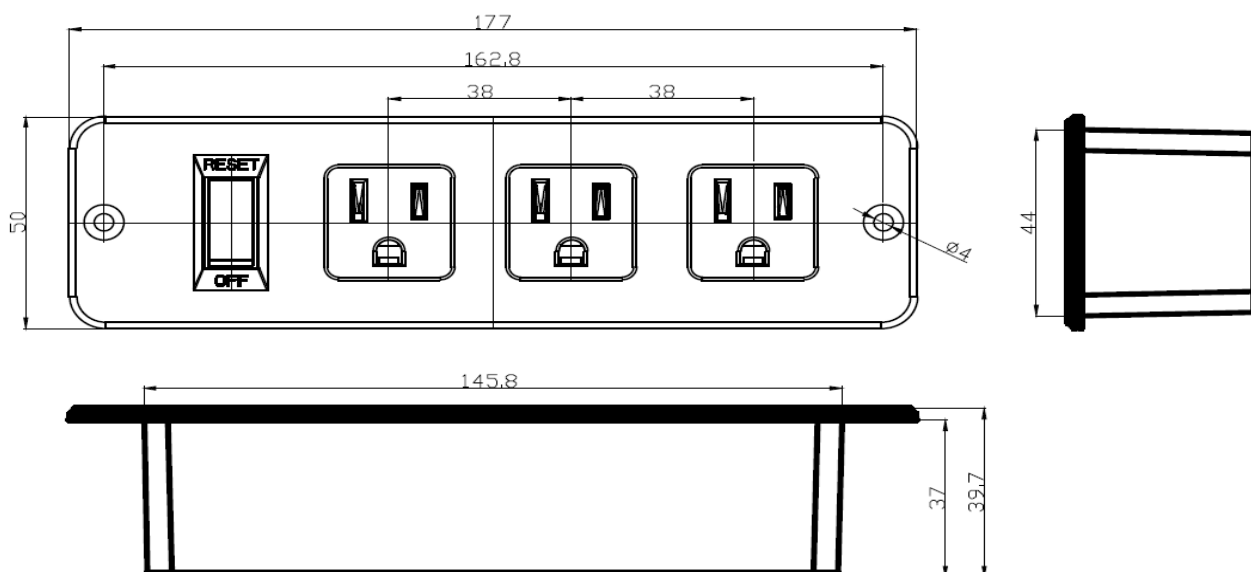


Illustration 12 - Dimension of model BAYU-AJ04-12A-K series and BAYU-AJ04-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)

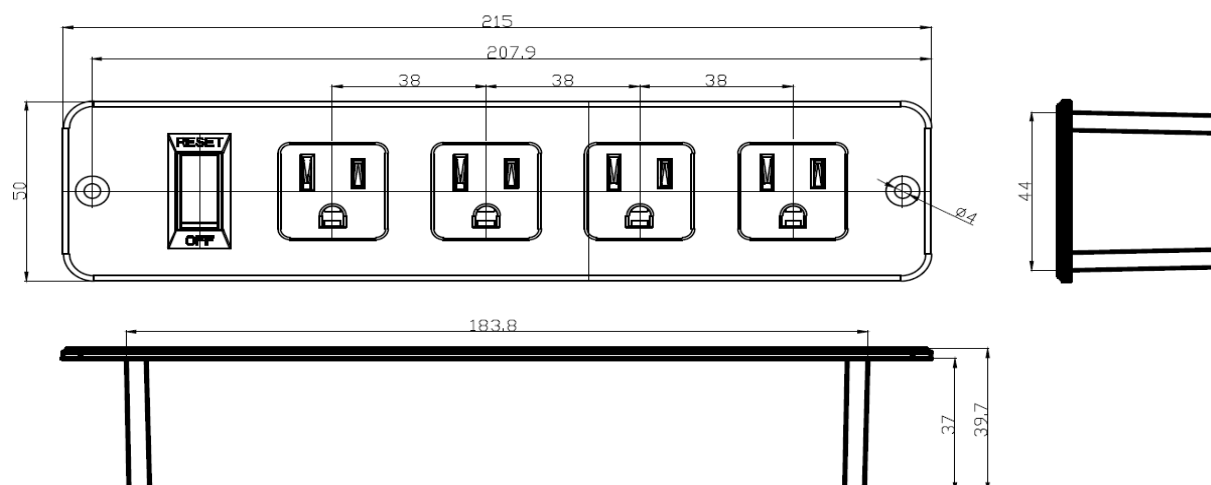
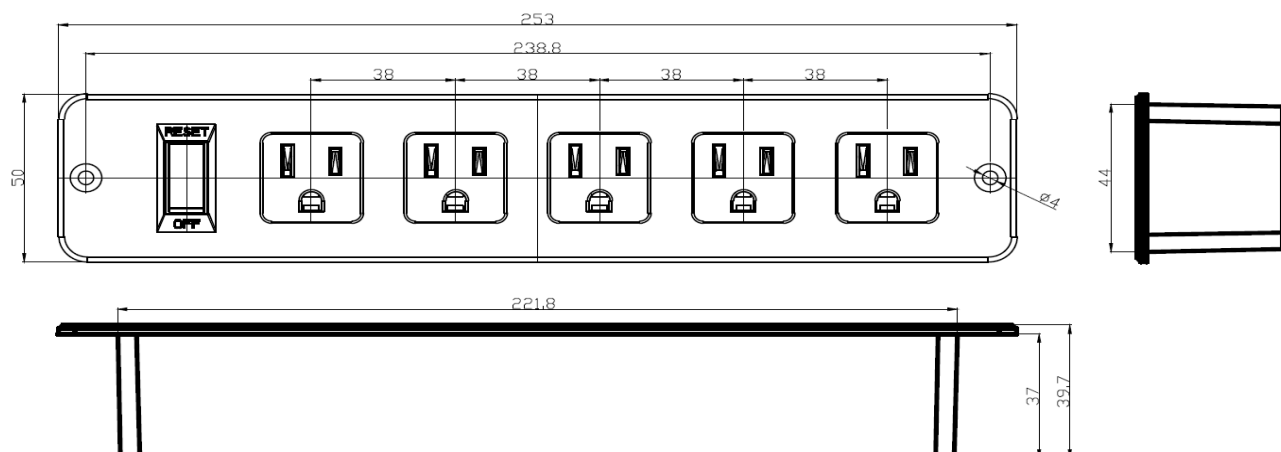
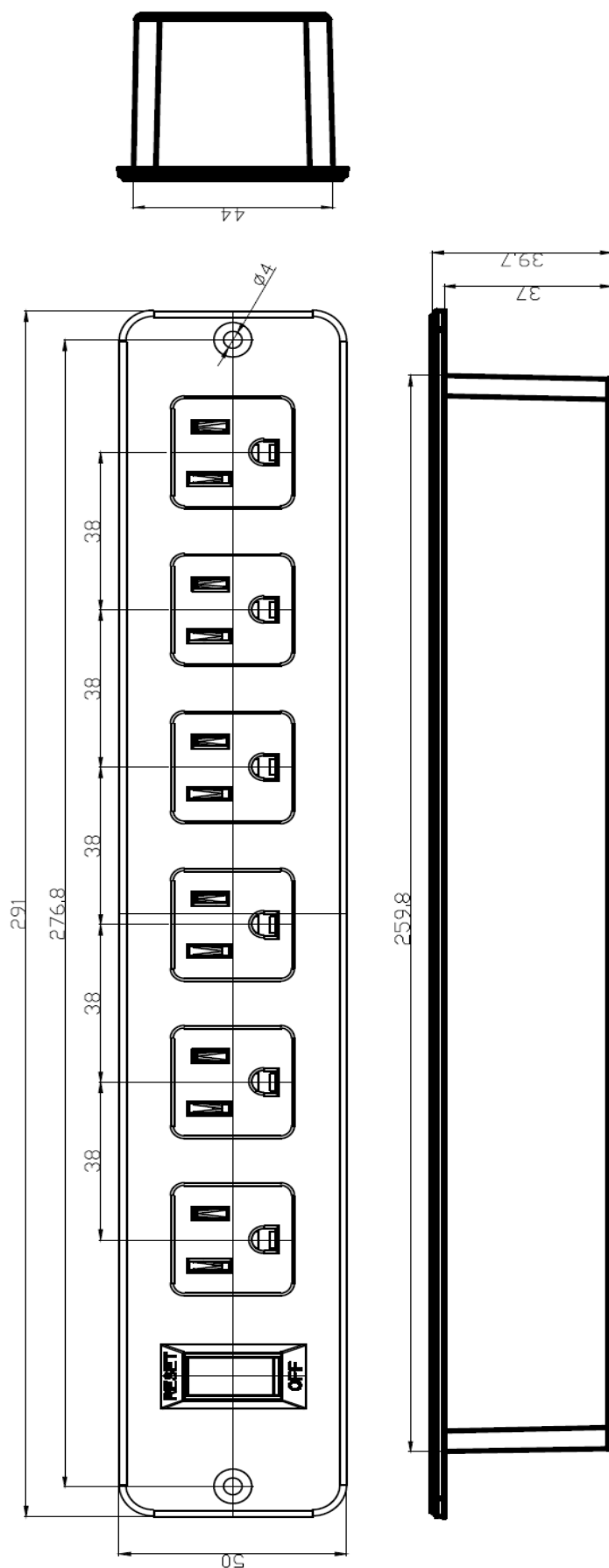


Illustration 13 - Dimension of BAYU-AJ05-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)



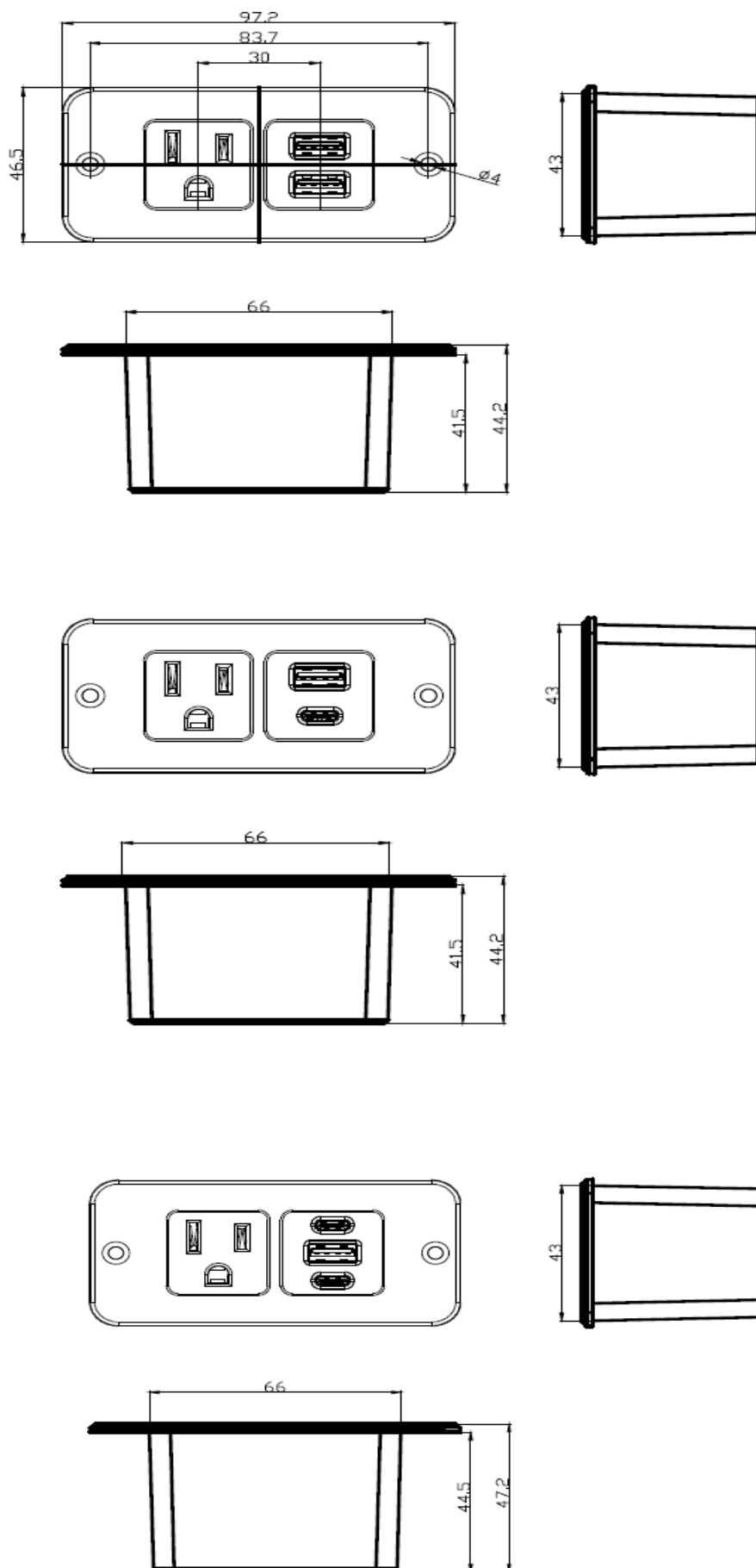
7.0 Illustrations

Illustration 14 - Dimension of BAYU-AJ06-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)



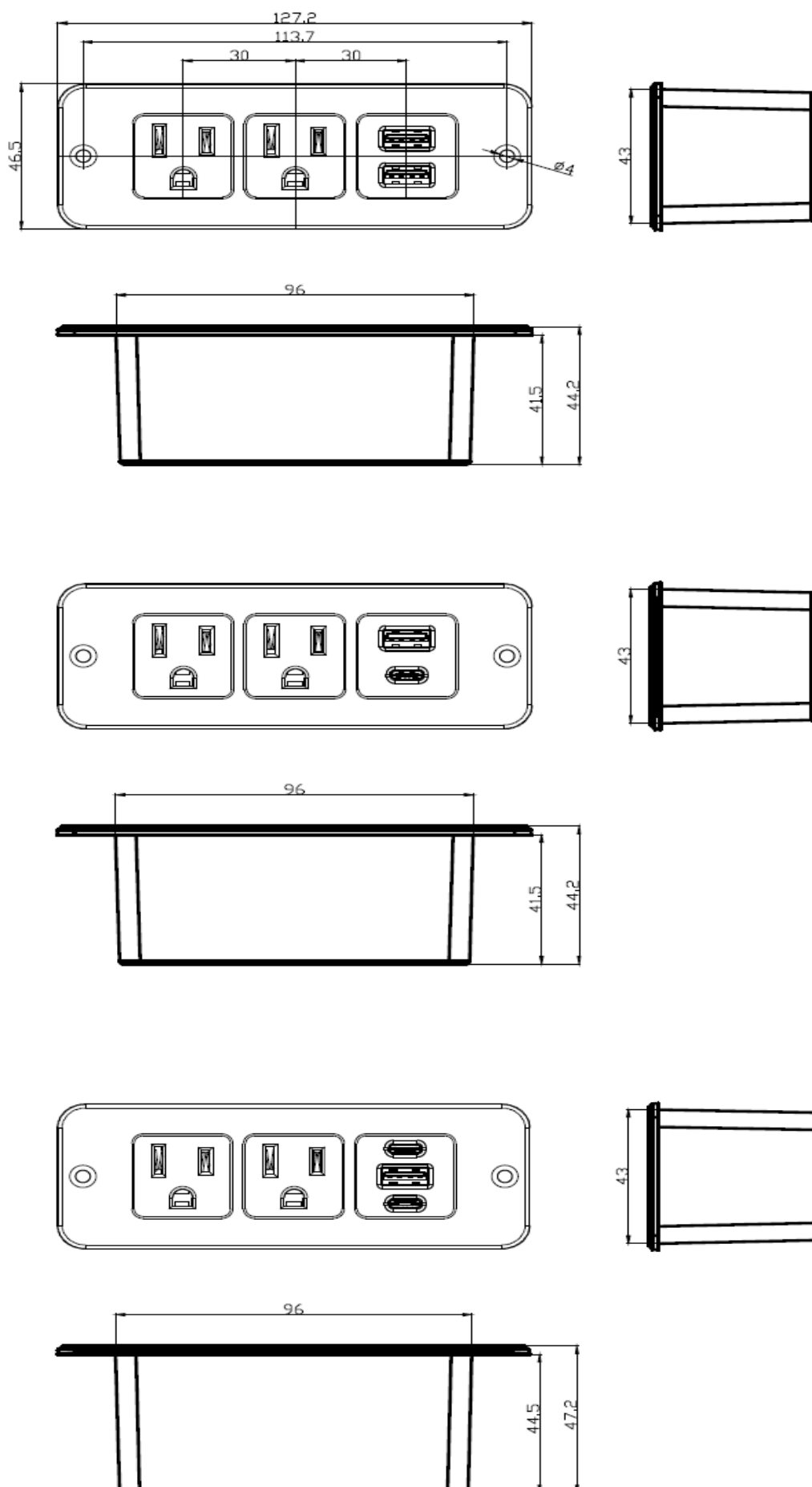
7.0 Illustrations

Illustration 15 - Dimension of model BAYU-AQ01AA series, BAYU-AQ01AC series and BAYU-AQ01ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



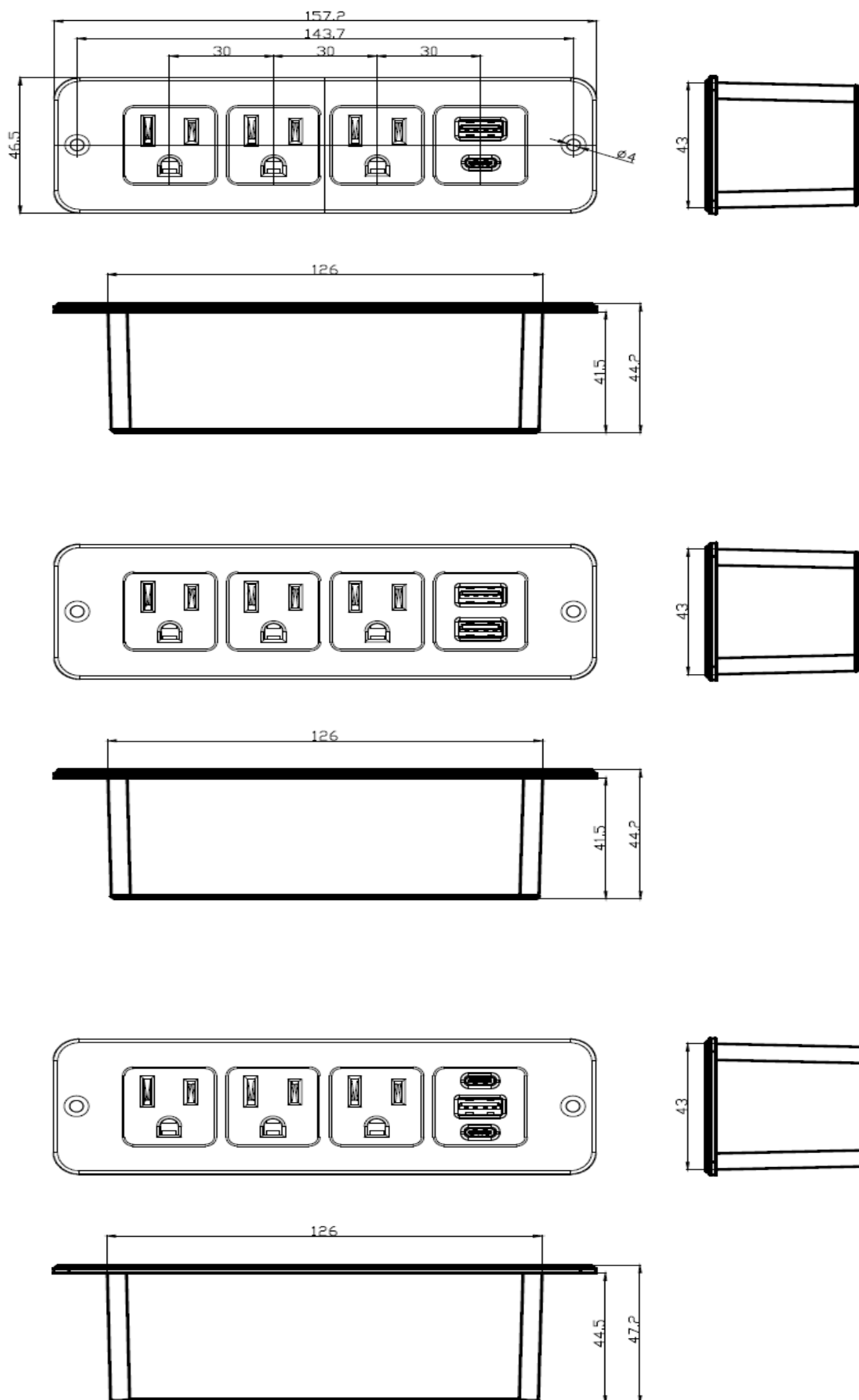
7.0 Illustrations

Illustration 16 - Dimension of model BAYU-AQ02AA series, BAYU-AQ02AC series and BAYU-AQ02ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



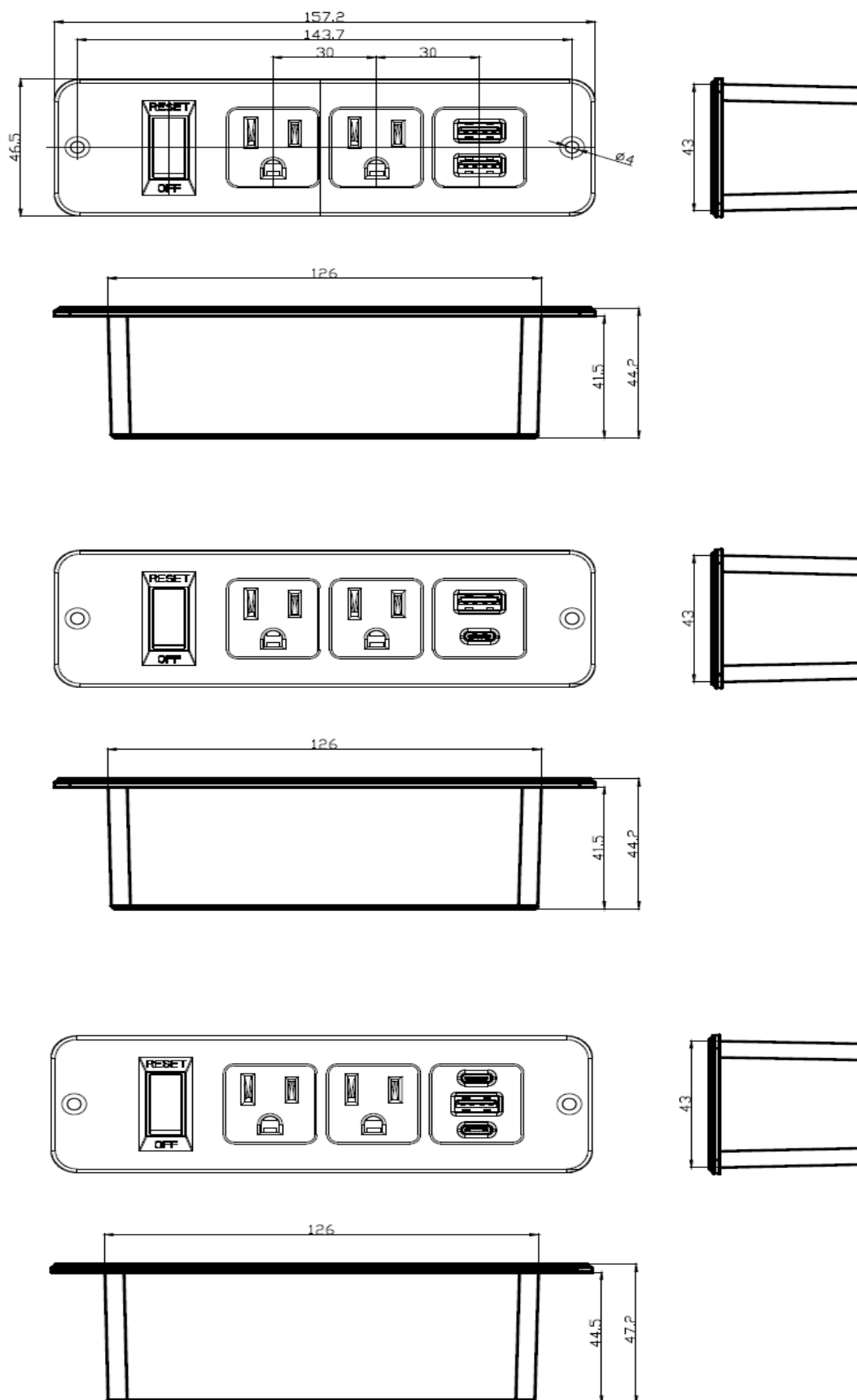
7.0 Illustrations

Illustration 17 - Dimension of model BAYU-AQ03AA series, BAYU-AQ03AC series and BAYU-AQ03ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



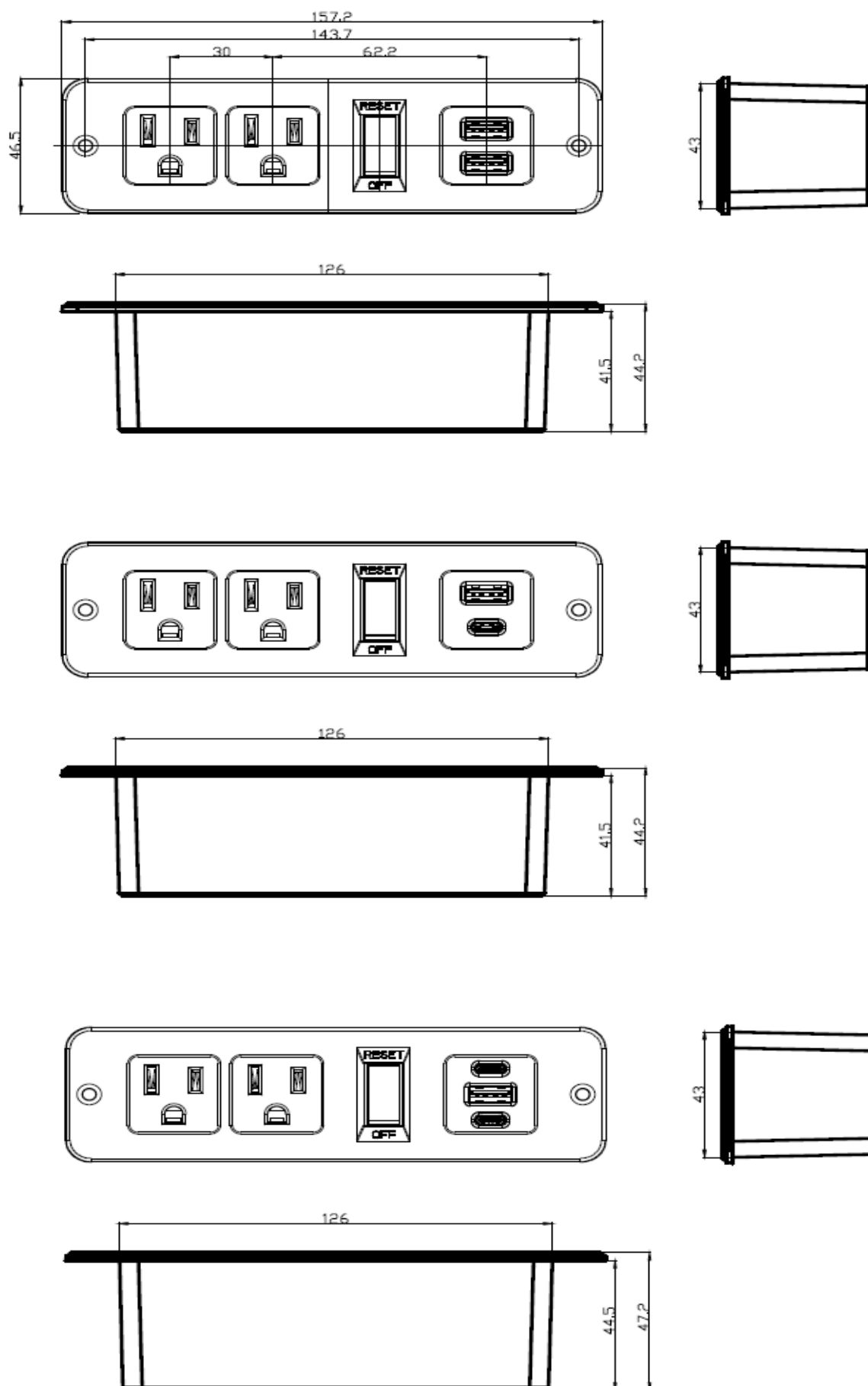
7.0 Illustrations

Illustration 18 - Dimension of model BAYU-AQ02AA series, BAYU-AQ02AC series and BAYU-AQ02ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



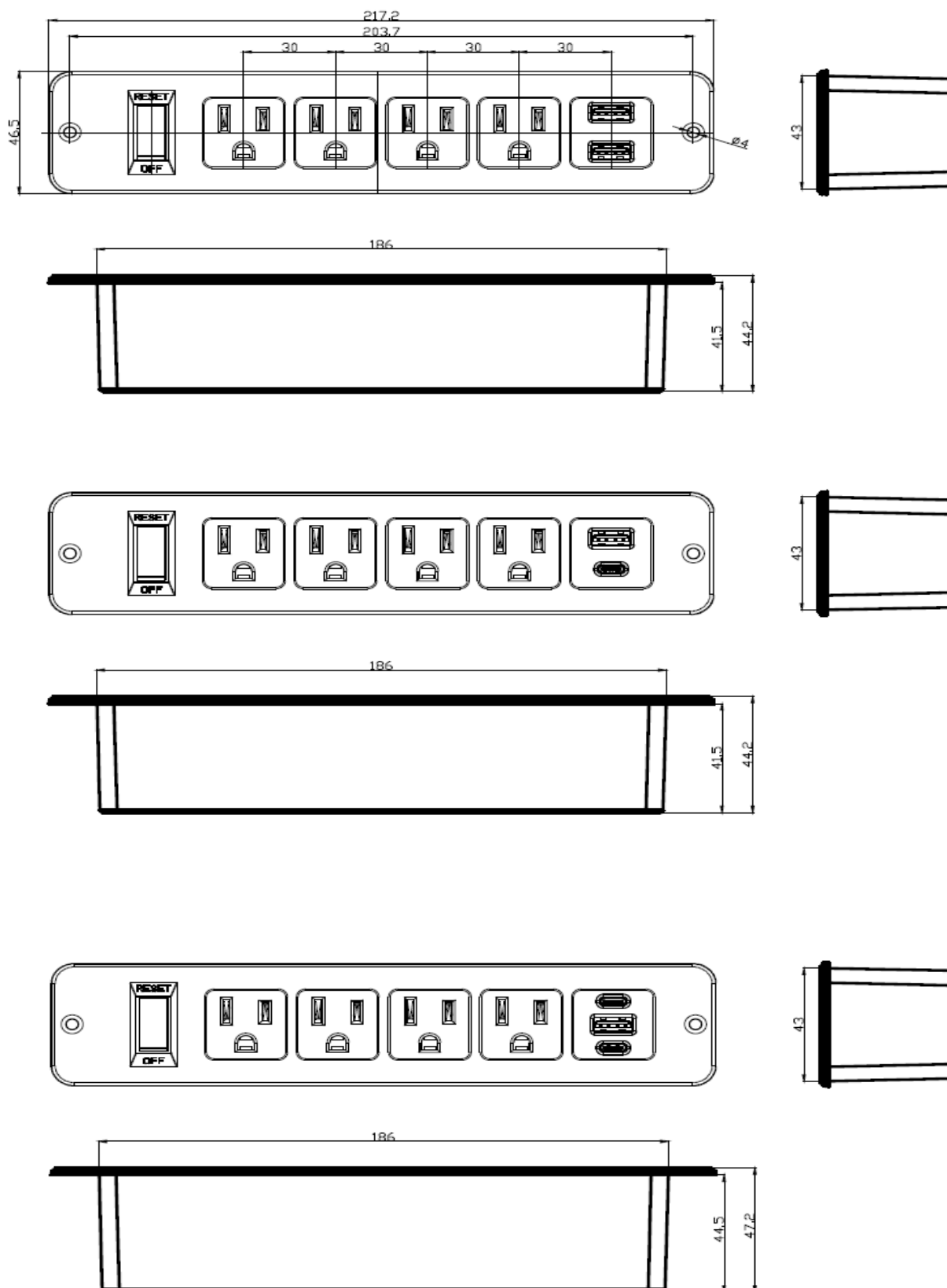
7.0 Illustrations

Illustration 19 - Dimension of model BAYU-AQ02AA series, BAYU-AQ02AC series and BAYU-AQ02ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



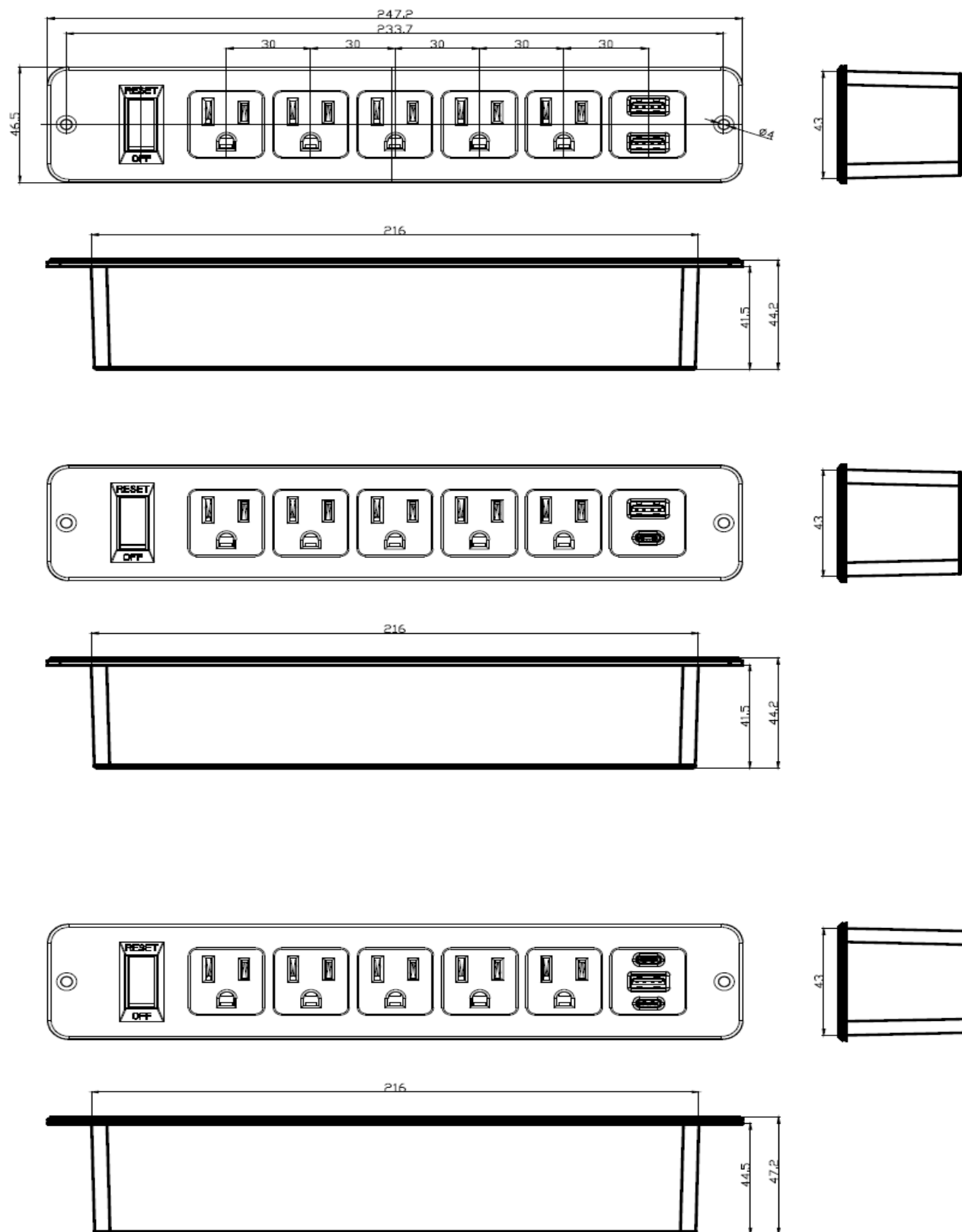
7.0 Illustrations

Illustration 20 - Dimension of model BAYU-AQ04AA series, BAYU-AQ04AC series and BAYU-AQ04ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



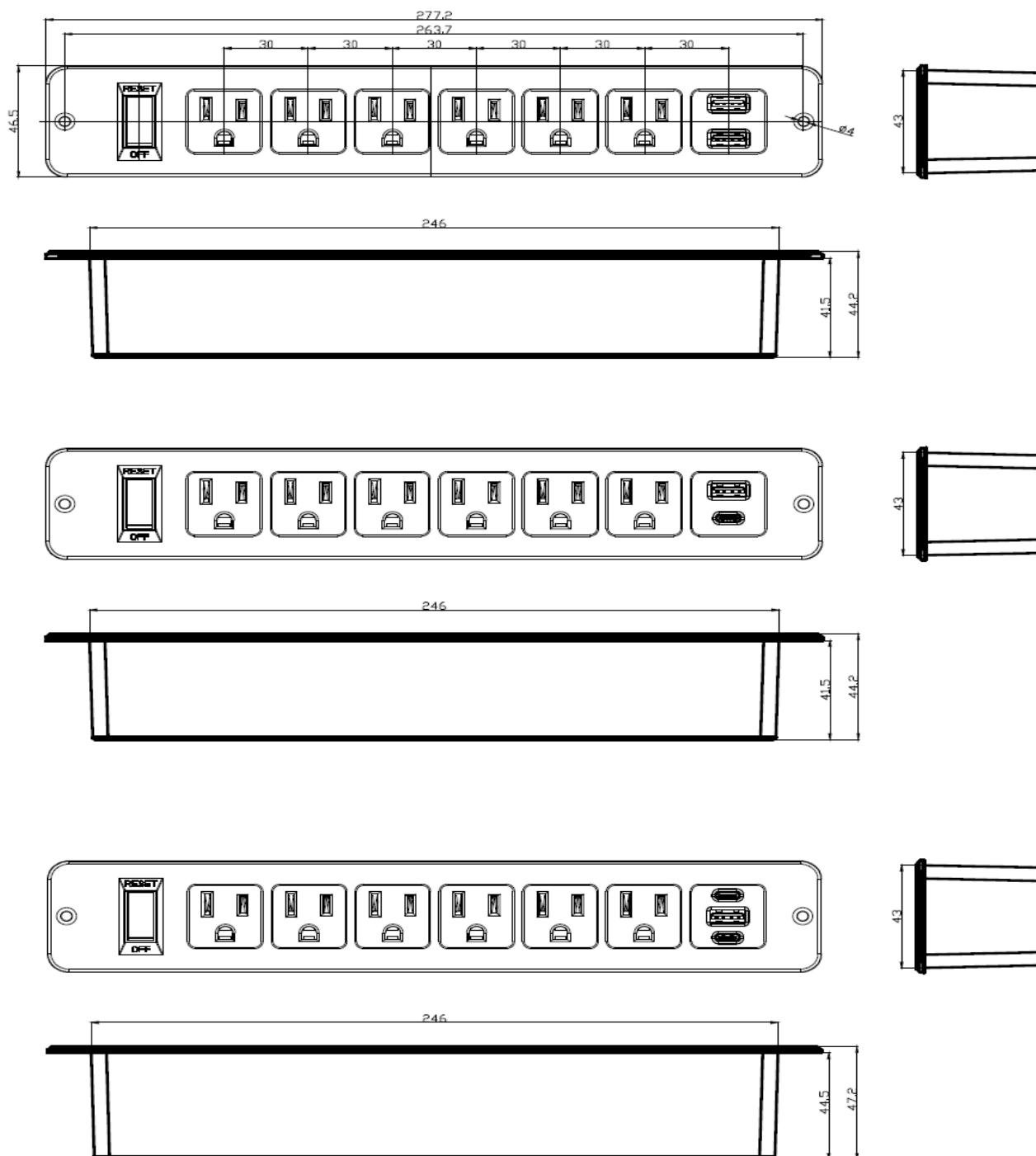
7.0 Illustrations

Illustration 21 - Dimension of model BAYU-AQ05AA series, BAYU-AQ05AC series and BAYU-AQ05ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 22 - Dimension of model BAYU-AQ06AA series, BAYU-AQ06AC series and BAYU-AQ06ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 23 - Dimension of model BAYU-AQ01-12A-K series and BAYU-AQ01-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)

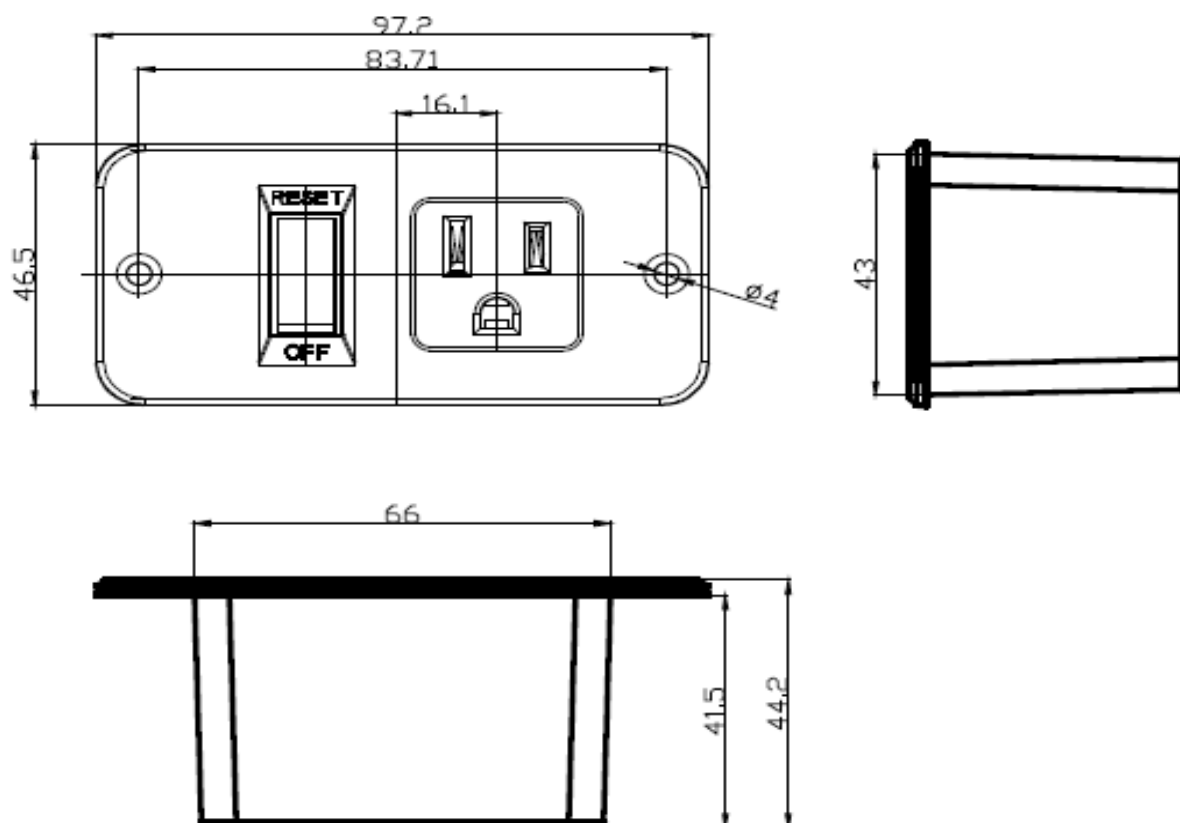
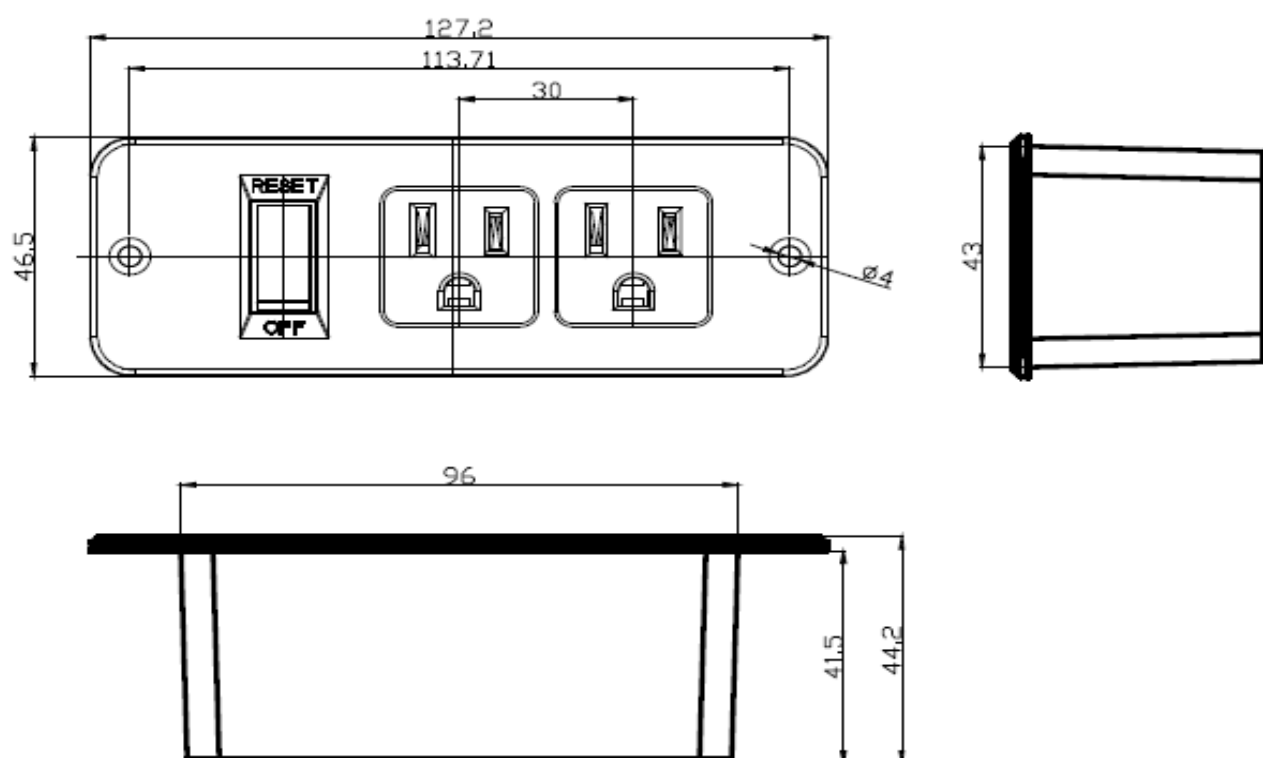


Illustration 24 - Dimension of model BAYU-AQ02-12A-K series and BAYU-AQ02-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)



7.0 Illustrations

Illustration 25 - Dimension of model BAYU-AQ03-12A-K series and BAYU-AQ03-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)

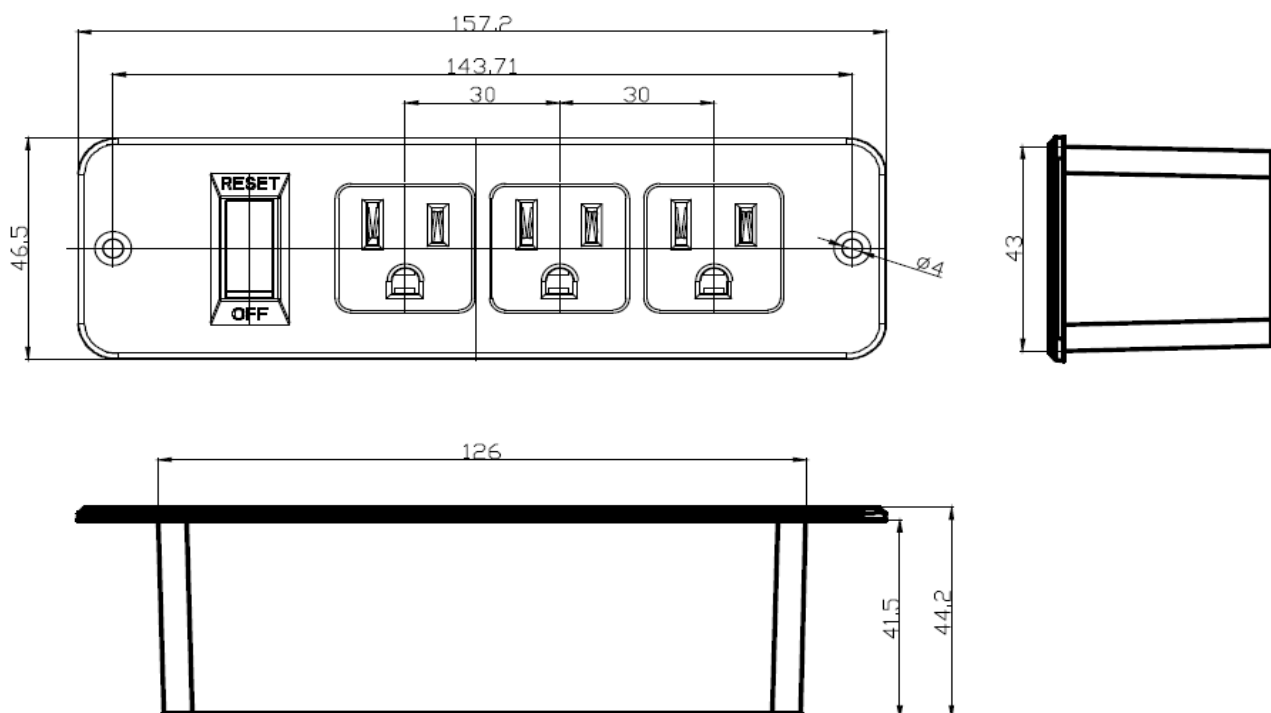
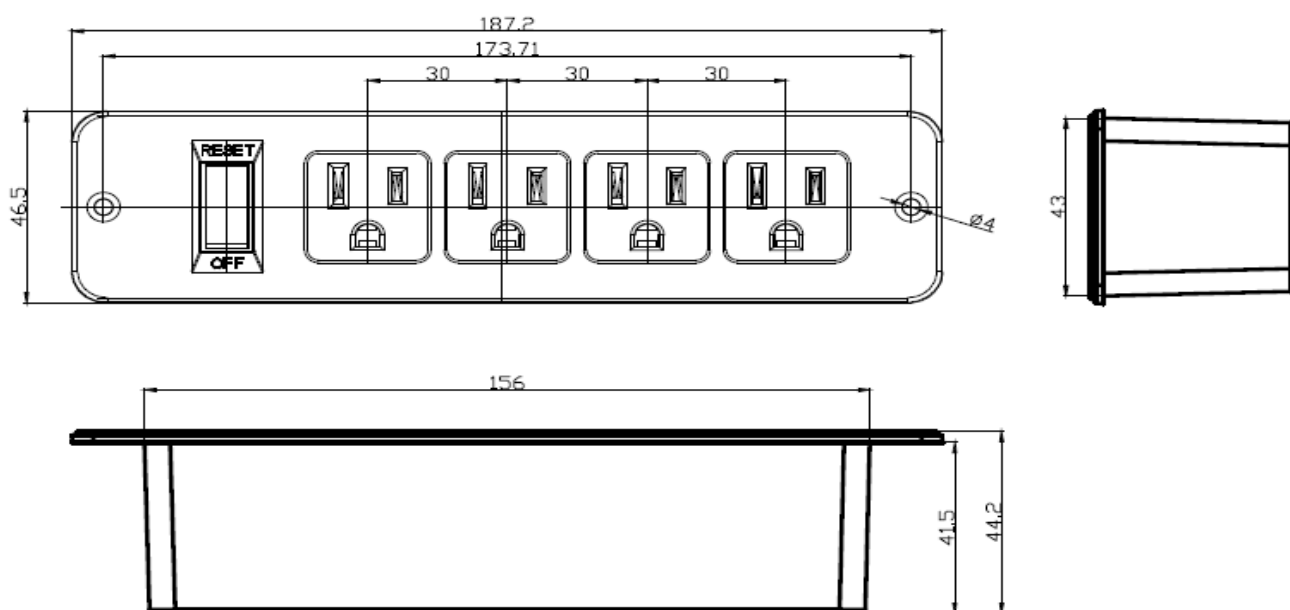


Illustration 26 - Dimension of model BAYU-AQ04-12A-K series and BAYU-AQ04-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: ± 2 mm)



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Illustration 27 - Dimension of model BAYU-AQ05-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: $\pm 2\text{mm}$)

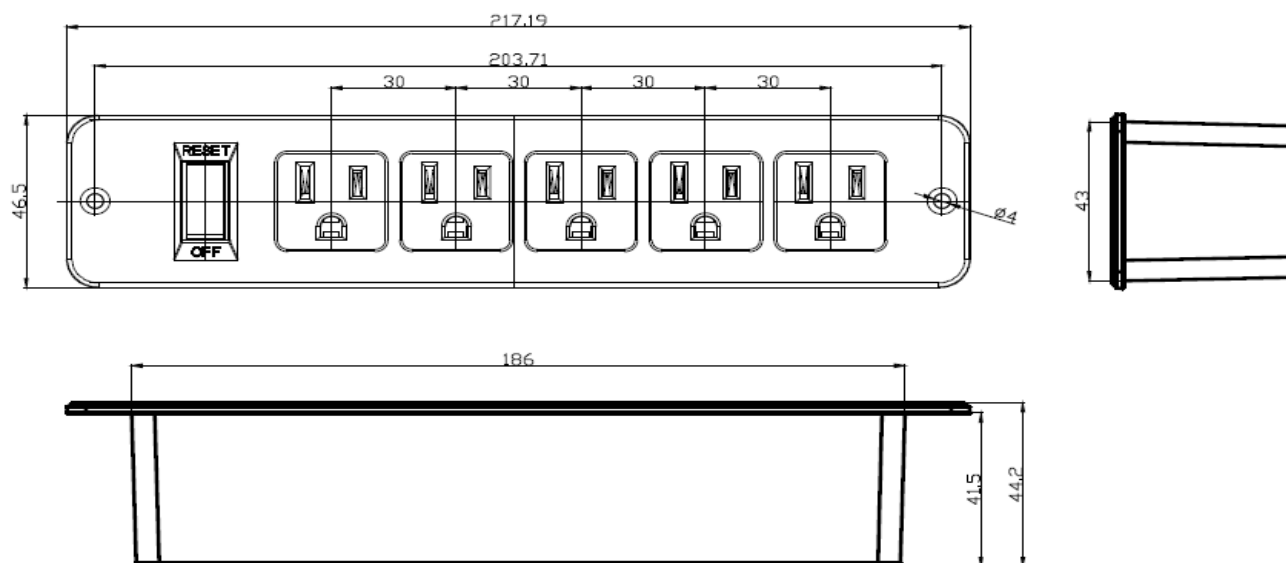
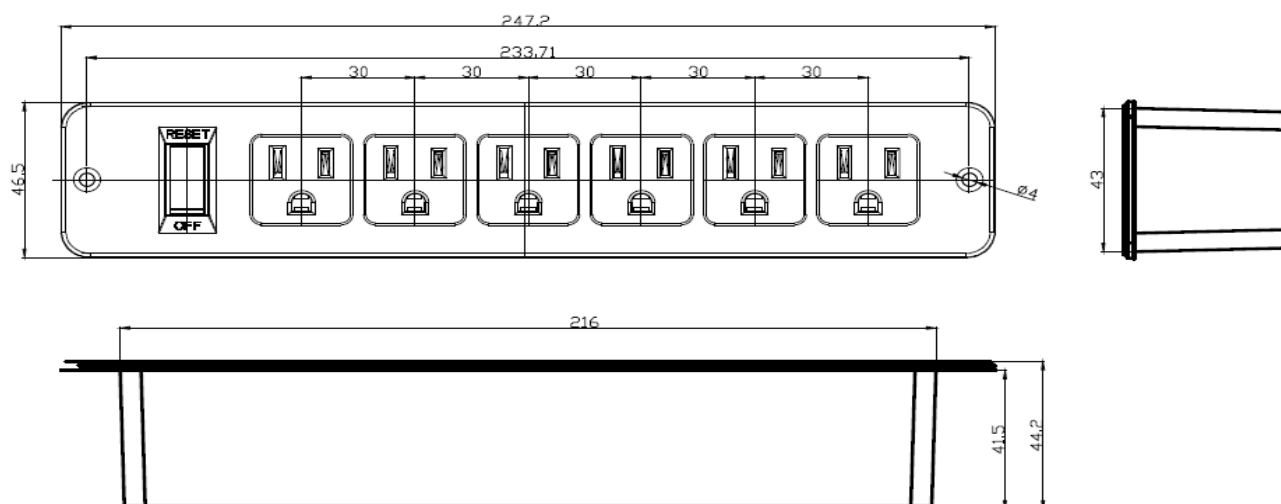
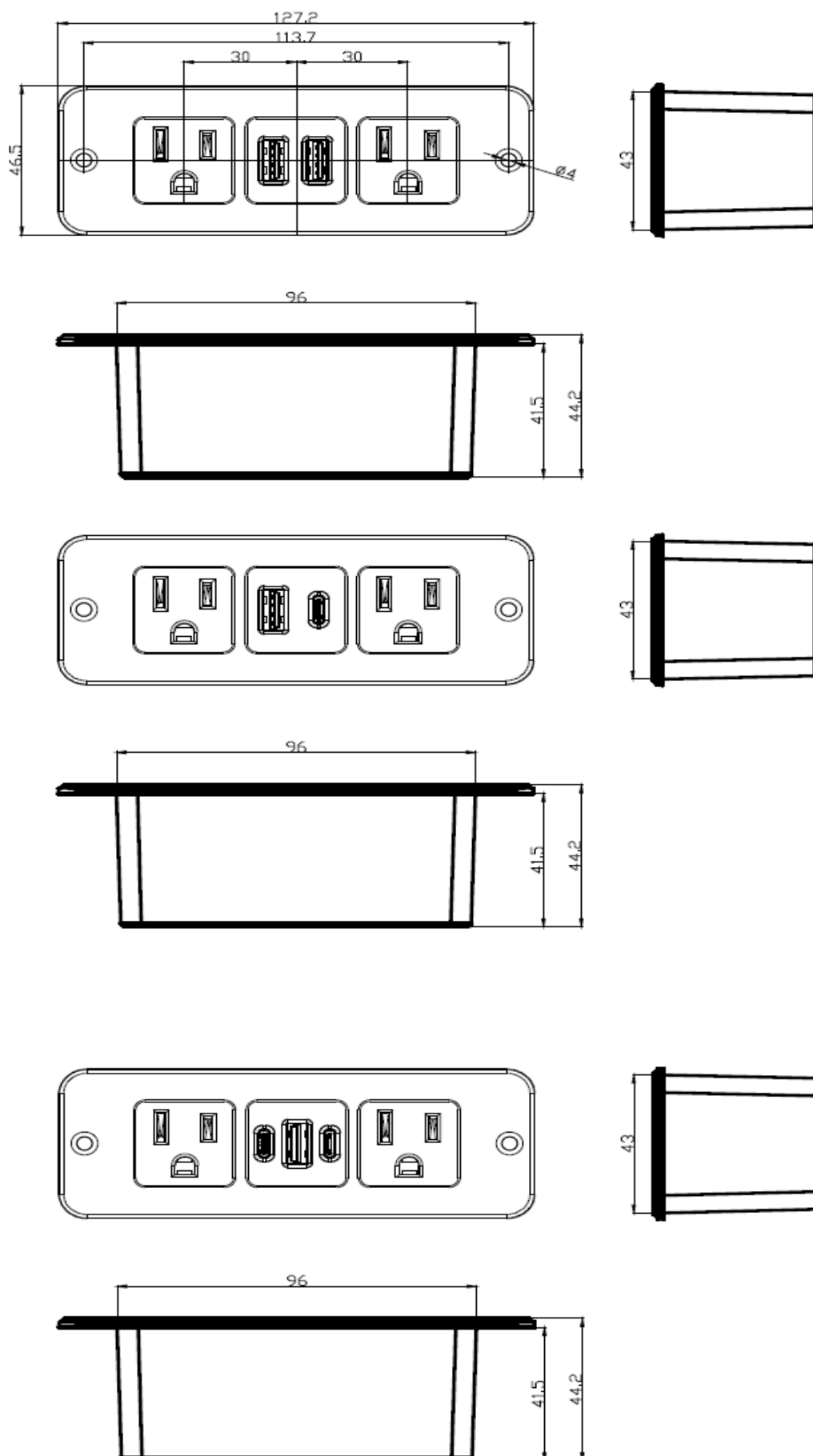


Illustration 28 - Dimension of BAYU-AQ06-15A-K series with OCP and without USB module. (Unit: mm, Tolerance: $\pm 2\text{mm}$)



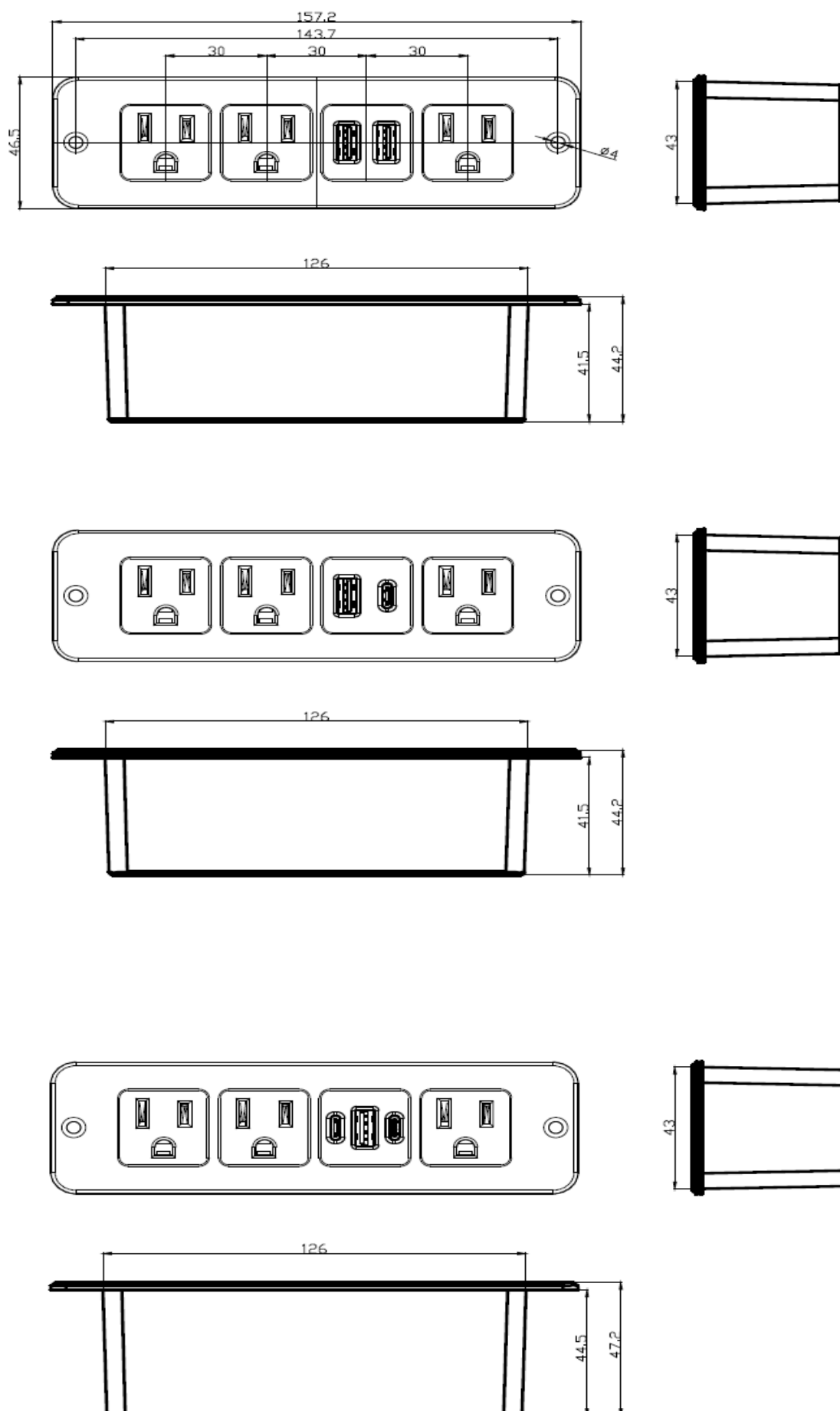
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Illustration 29 - Dimension of model BAYU-AS02AA series, BAYU-AS02AC series and BAYU-AS02ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



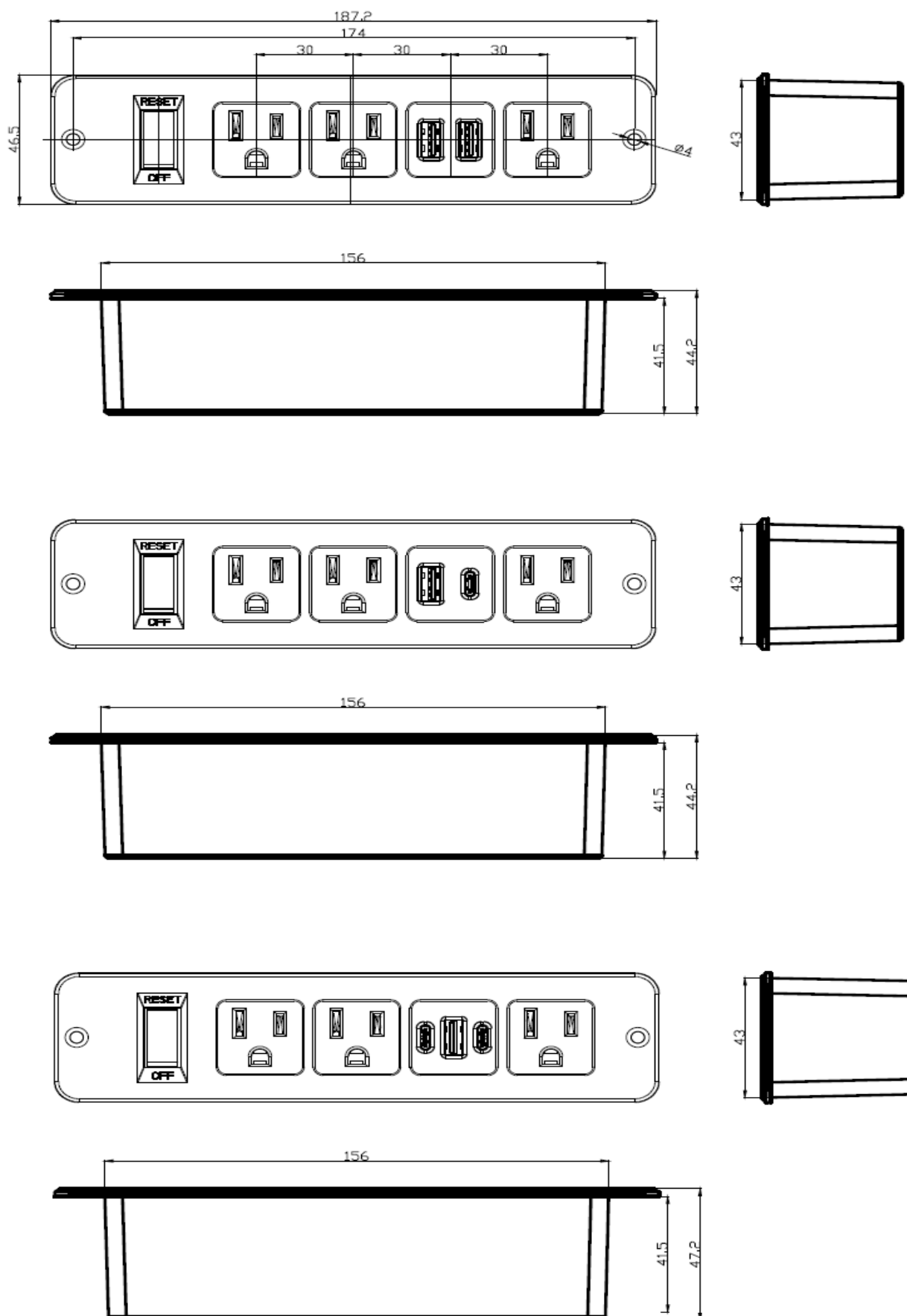
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Illustration 30 - Dimension of model BAYU-AS03AA series, BAYU-AS03AC series and BAYU-AS03ACC series without OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



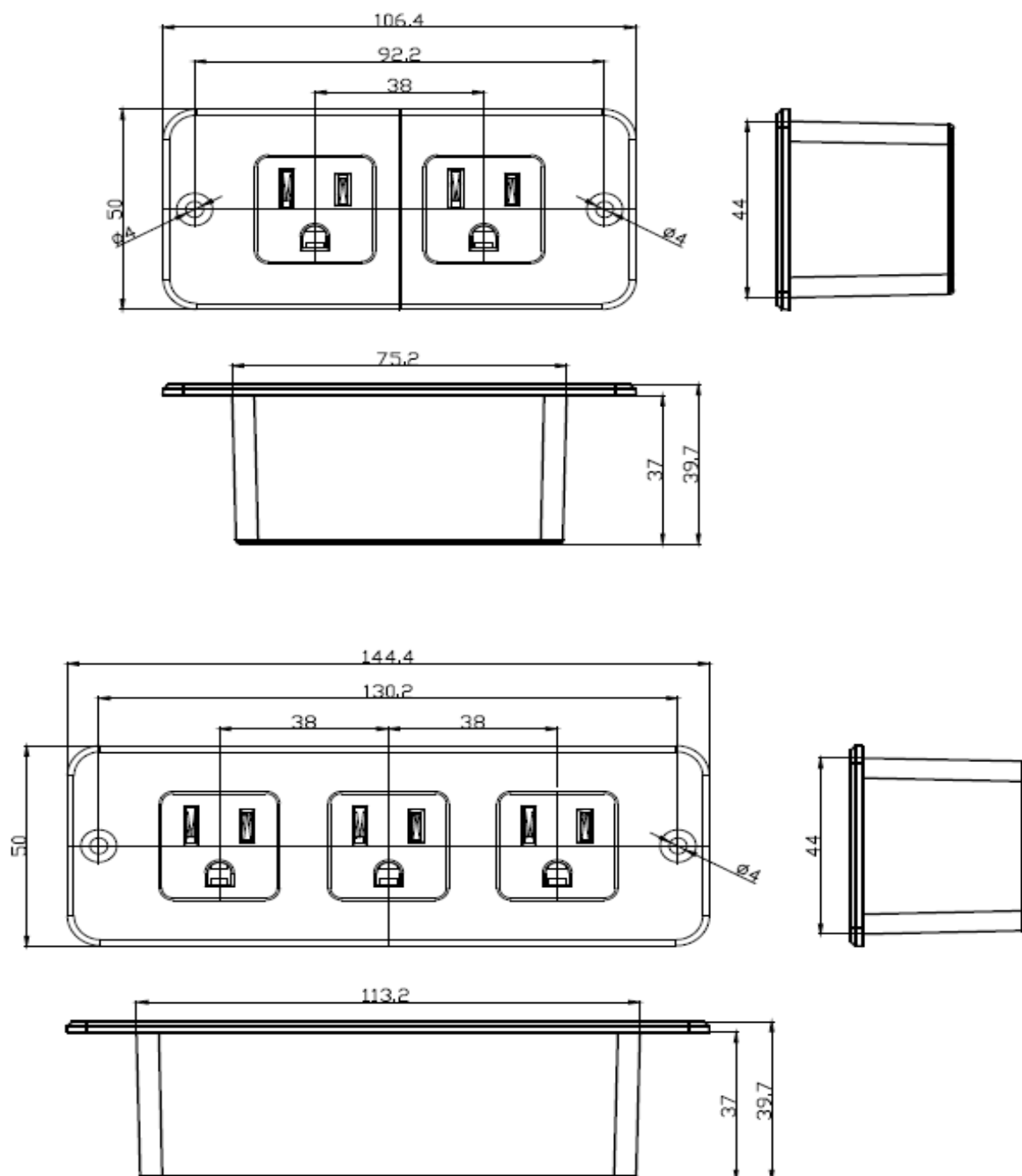
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Illustration 31 - Dimension of model BAYU-AS03AA series, BAYU-AS03AC series and BAYU-AS03ACC series with OCP (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



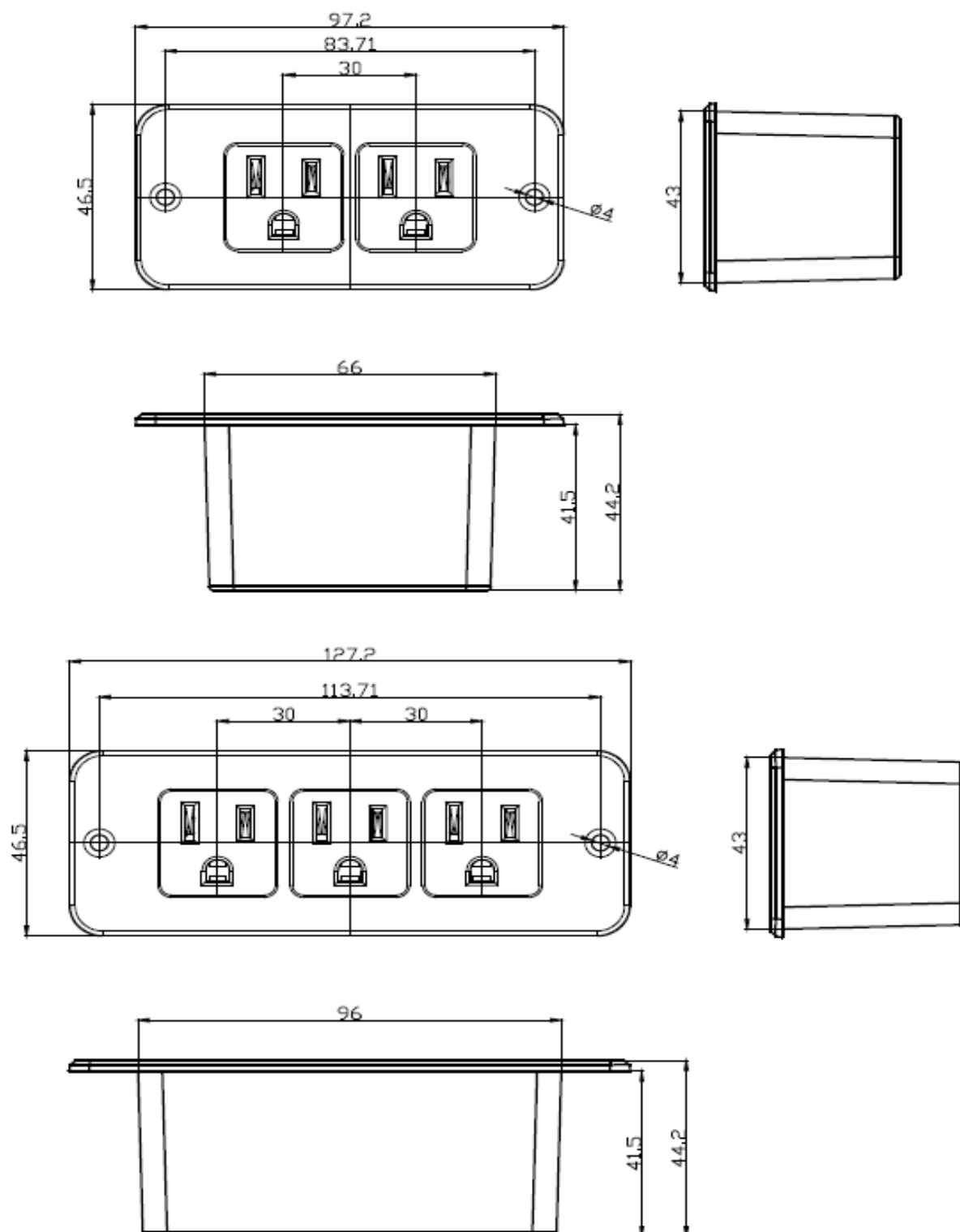
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Illustration 32 - Dimension of model BAYU-AJ02 series and BAYU-AJ03 series without OCP and USB module.
(From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



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Illustration 33 - Dimension of model BAYU-AQ02 series and BAYU-AQ03 series without OCP and USB module. (From top to bottom). (Unit: mm, Tolerance: ± 2 mm)



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Illustration 34 - G current carrying copper sheet dimension of model BAYU-AJ01 series with USB module and without OCP. (the dimensions of the contact part are applicable to all models, Unit: mm)

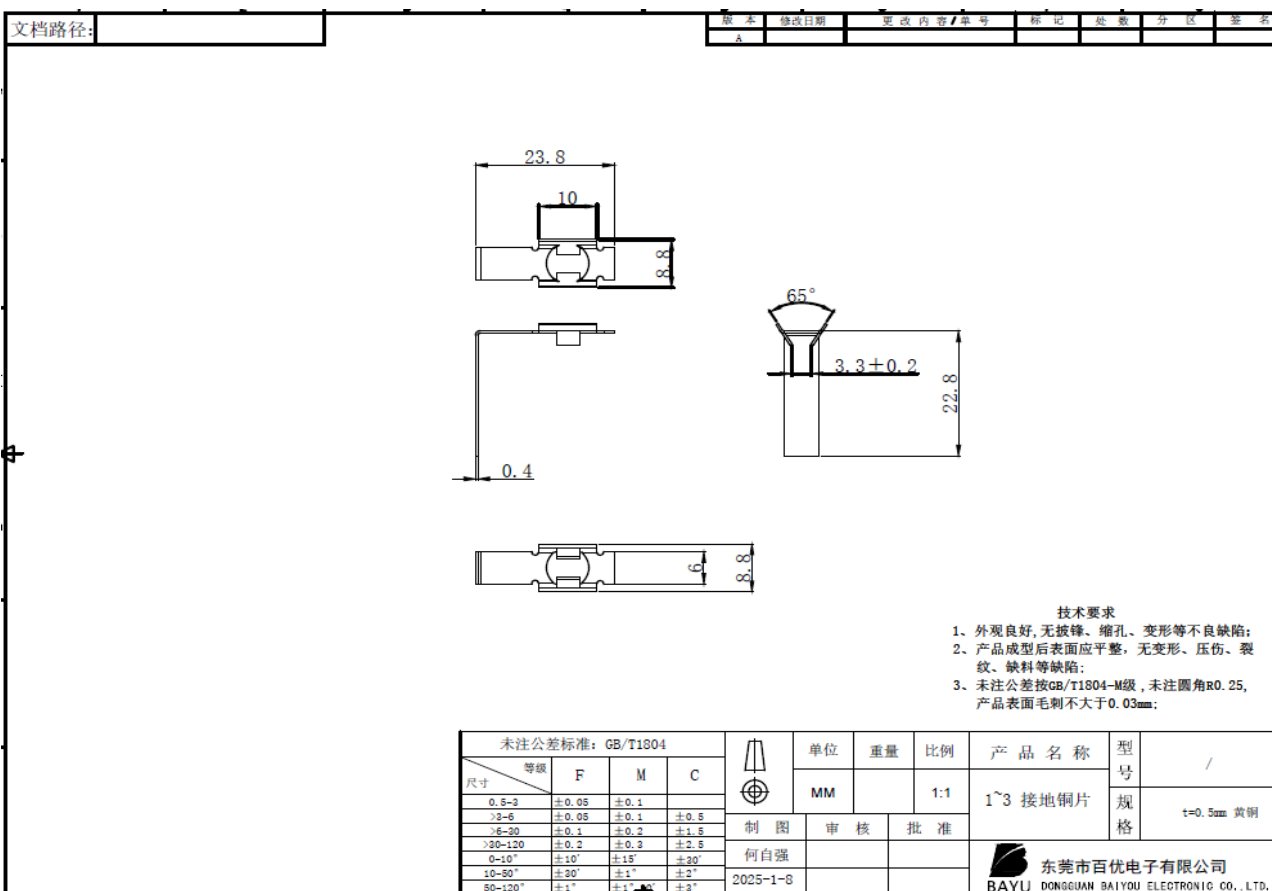
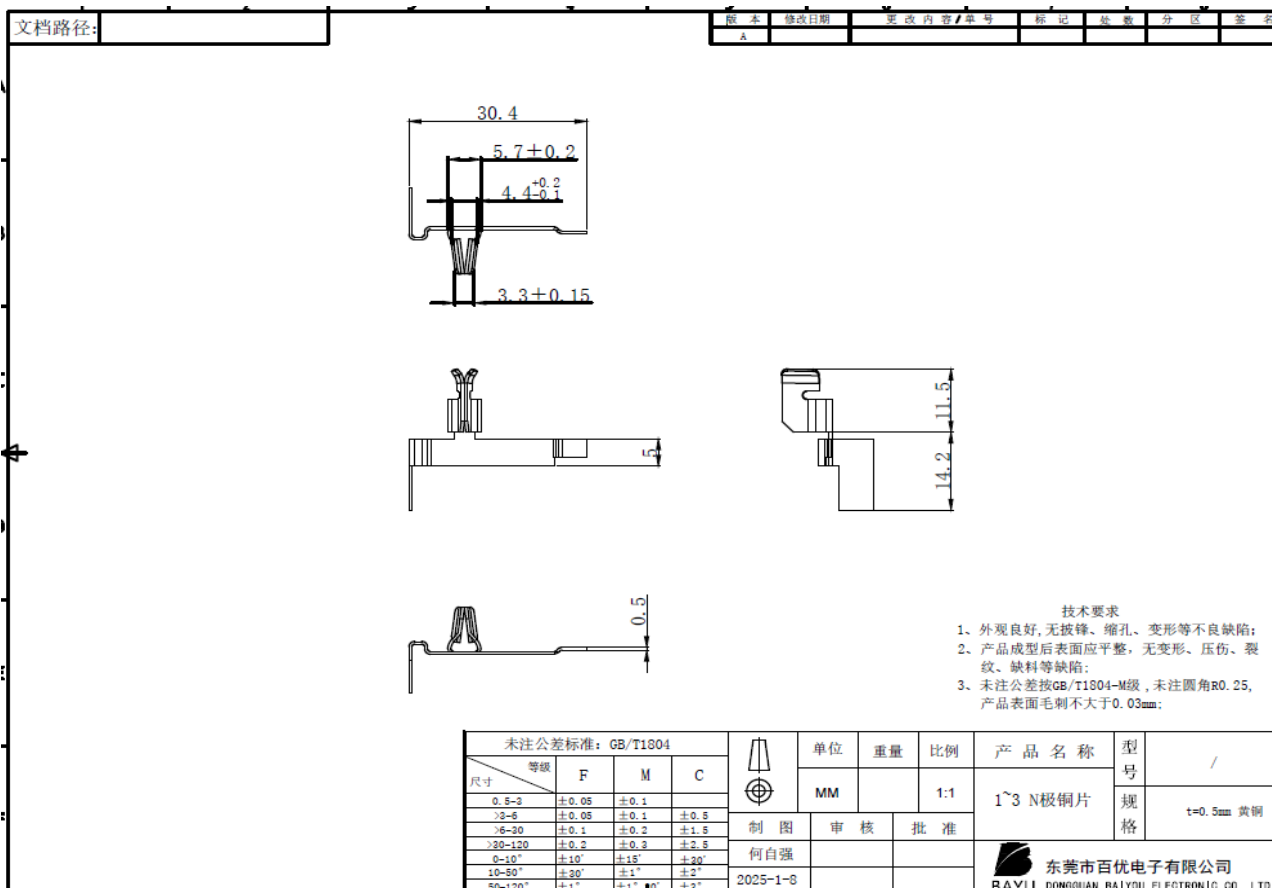


Illustration 35 - N current carrying copper sheet dimension of model BAYU-AJ01 series with USB module and without OCP. (the dimensions of the contact part are applicable to all models, Unit: mm)



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Illustration 36 - L current carrying copper sheet dimension of model BAYU-AJ01 series with USB module and without OCP. (the dimensions of the contact part are applicable to all models, Unit: mm)

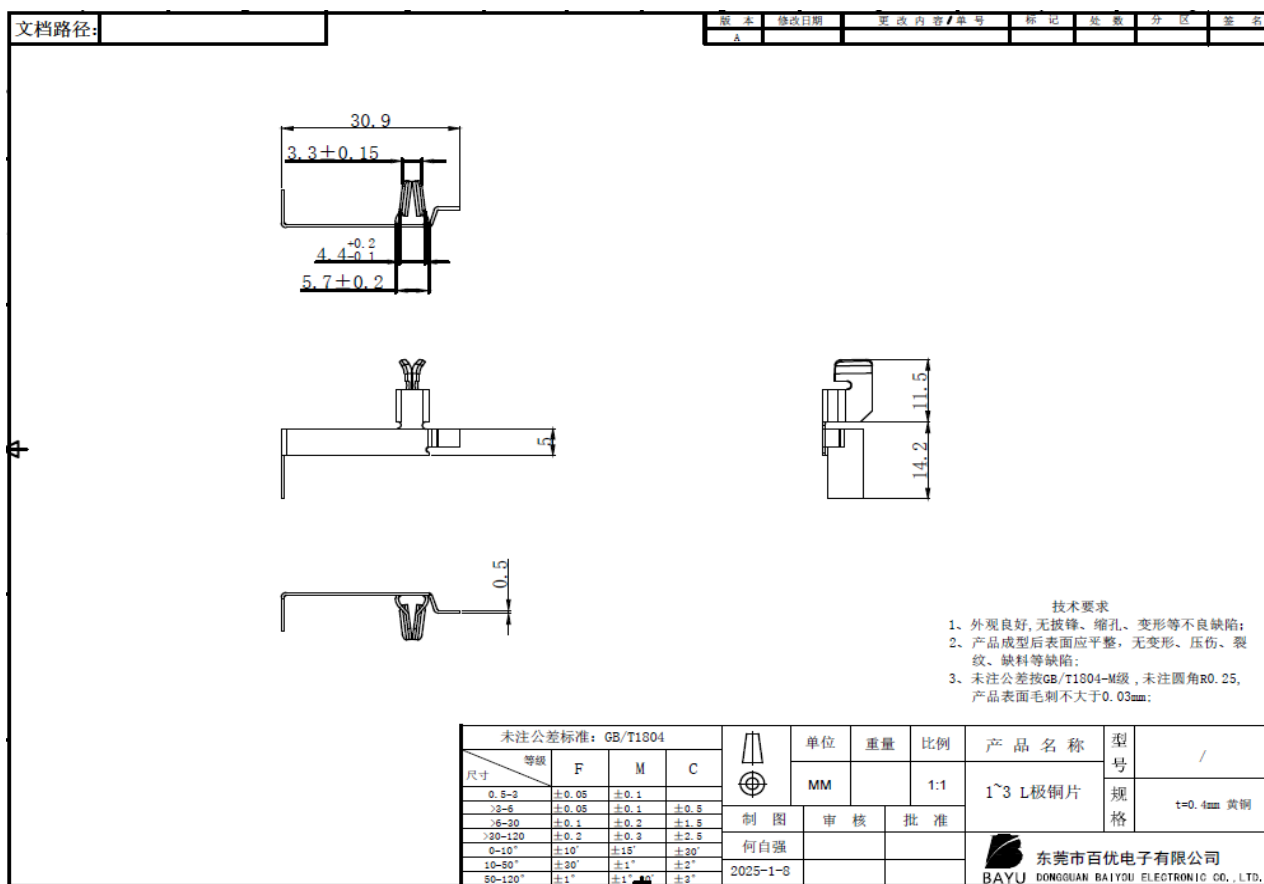
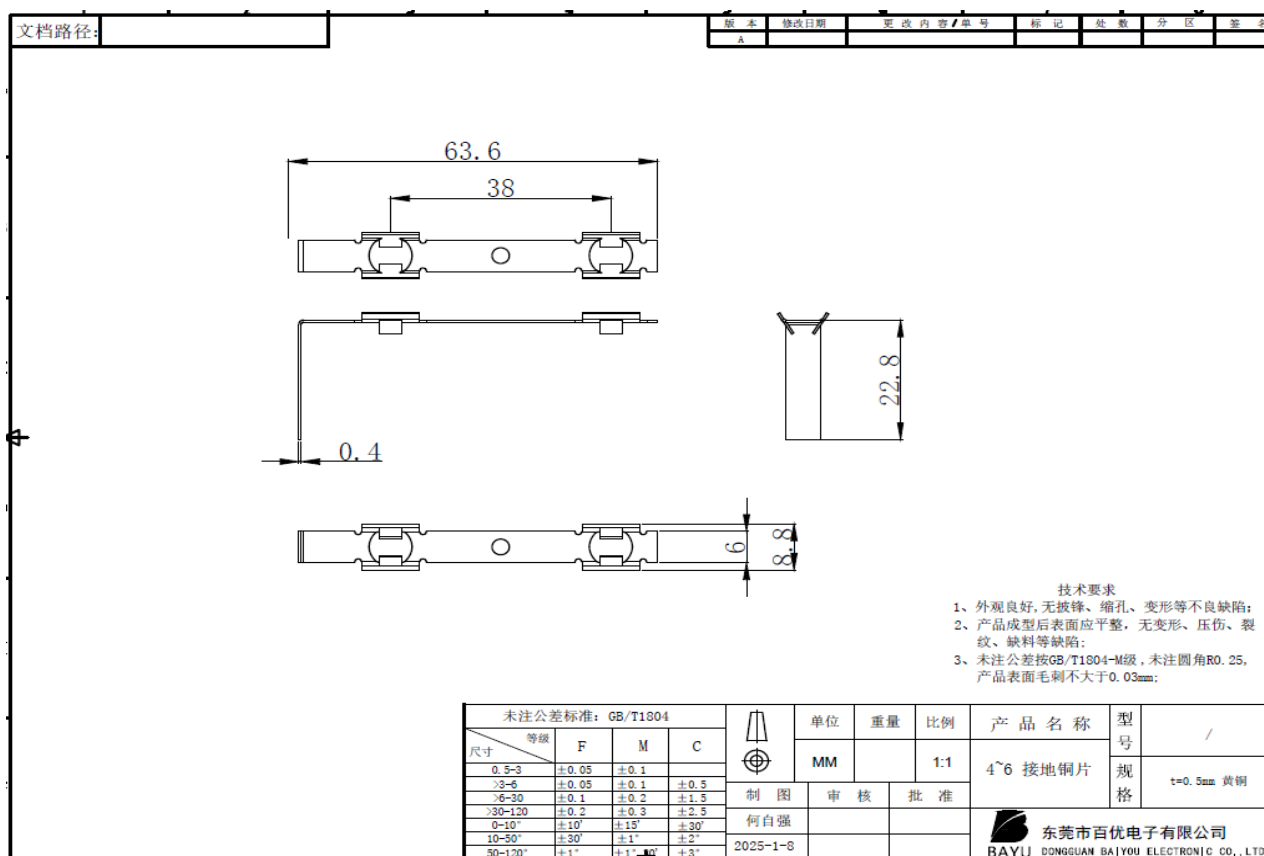


Illustration 37 - G current carrying copper sheet dimension of model BAYU-AJ02 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 38 - N current carrying copper sheet dimension of model BAYU-AJ02 series with/ without USB module and without OCP. (Unit: mm)

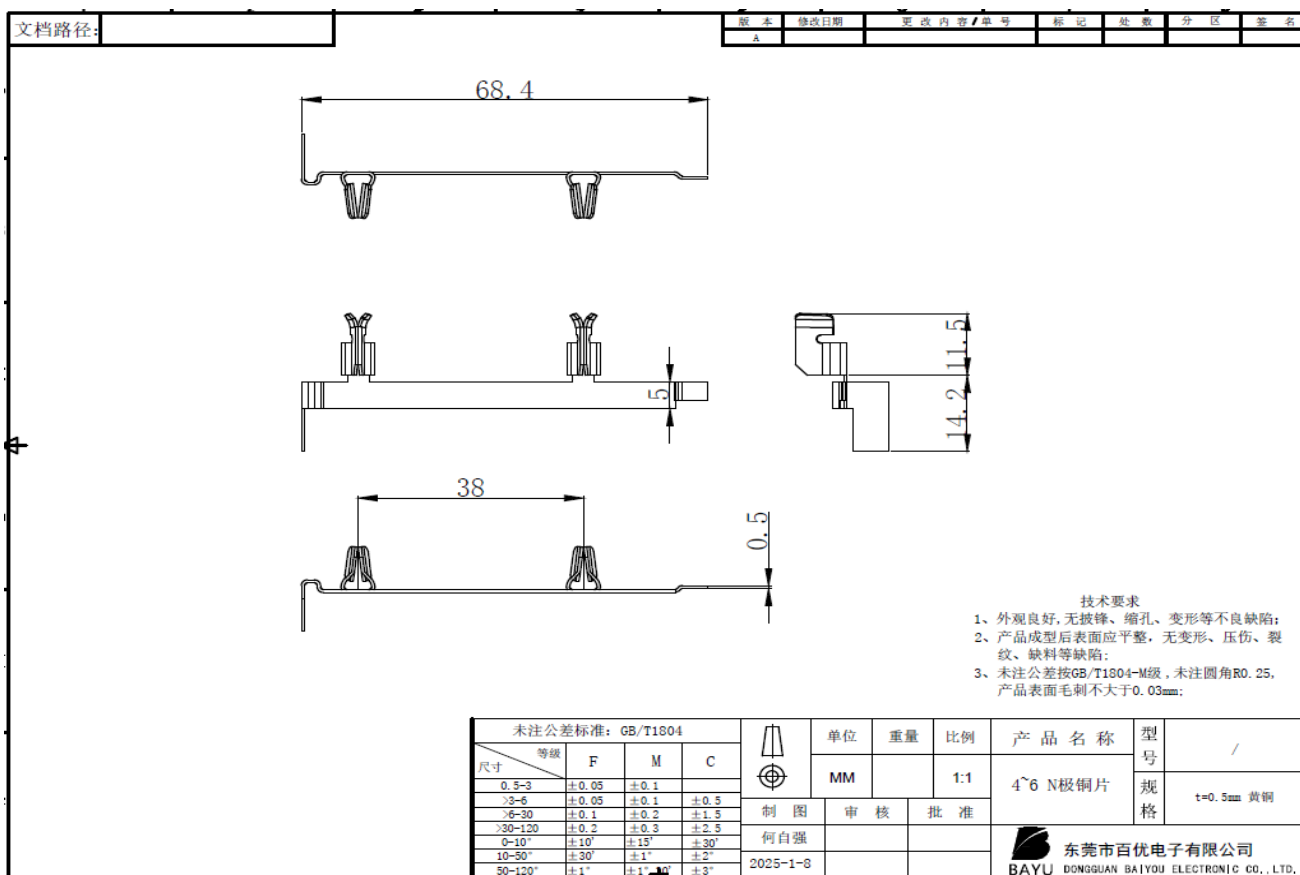
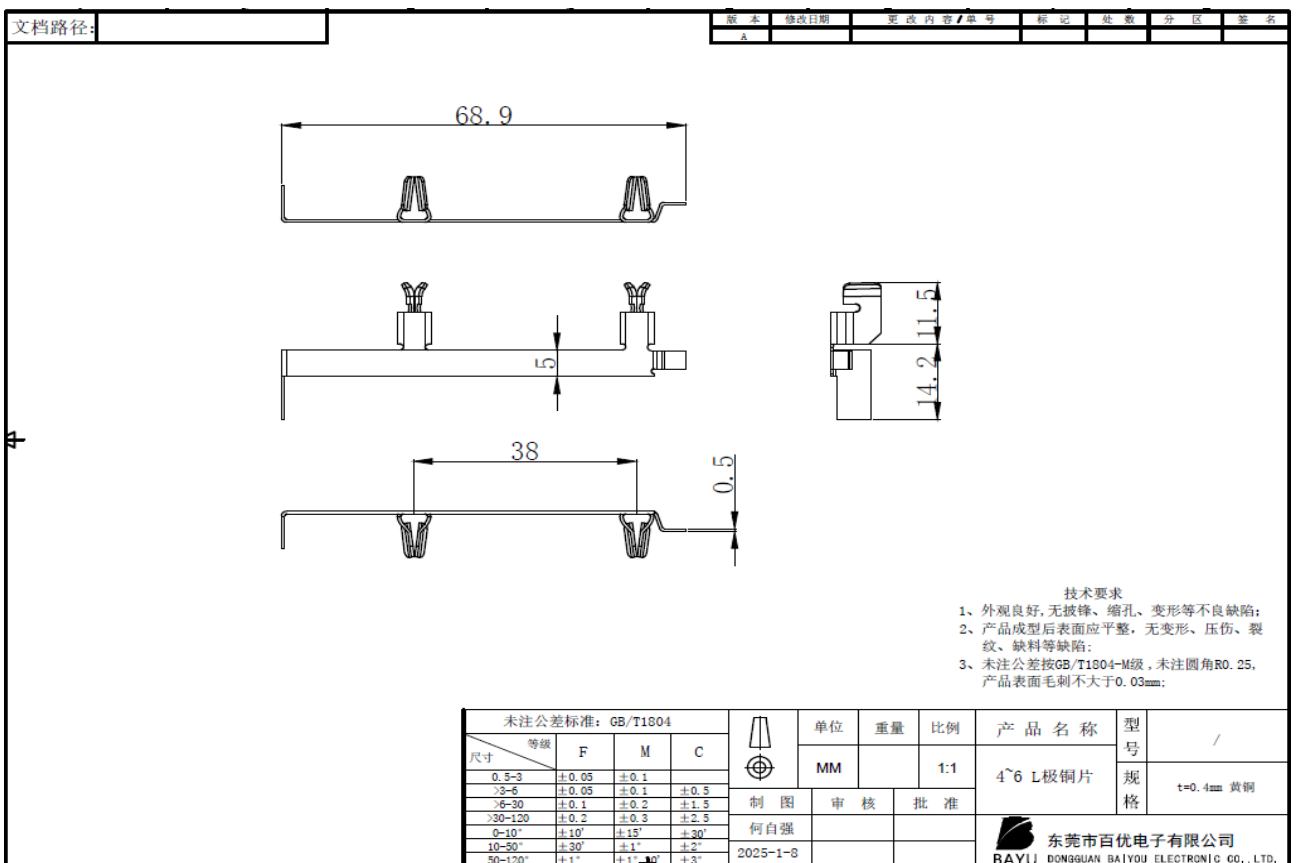


Illustration 39 - L current carrying copper sheet dimension of model BAYU-AJ02 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 40 - N current carrying copper sheet dimension of model BAYU-AJ03 series with/ without USB module and without OCP. (Unit: mm)

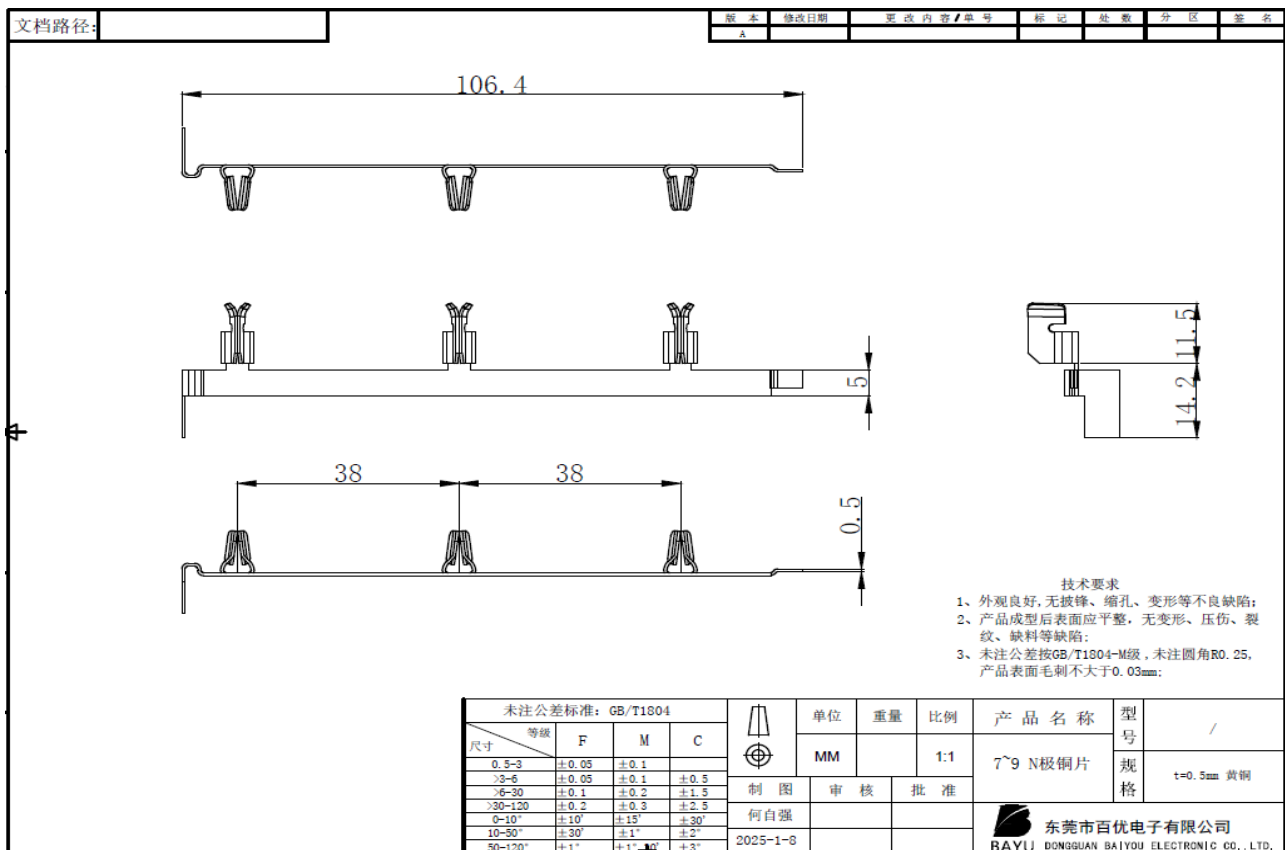
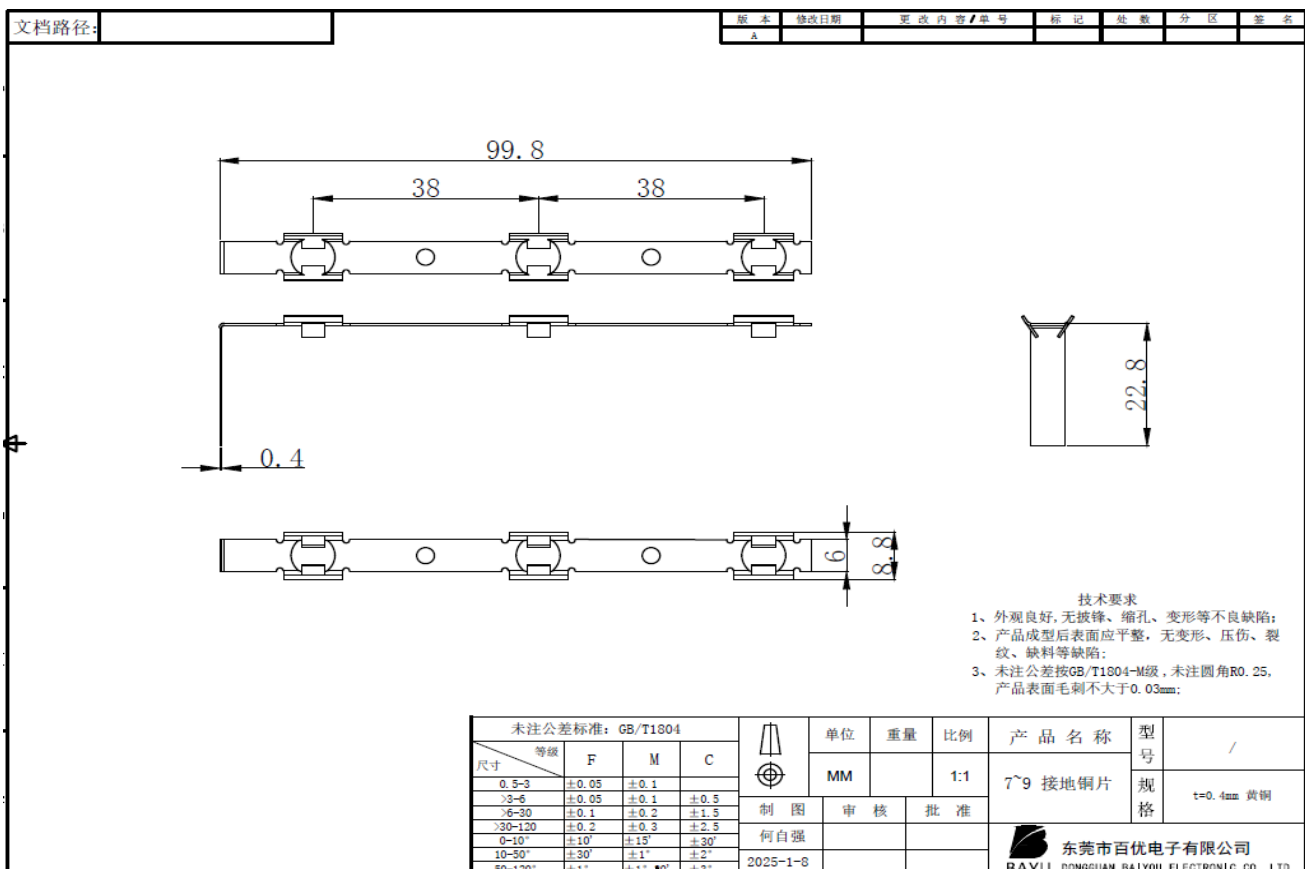


Illustration 41 - G current carrying copper sheet dimension of model BAYU-AJ03 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 42 - L current carrying copper sheet dimension of model BAYU-AJ03 series with/ without USB module and without OCP. (Unit: mm)

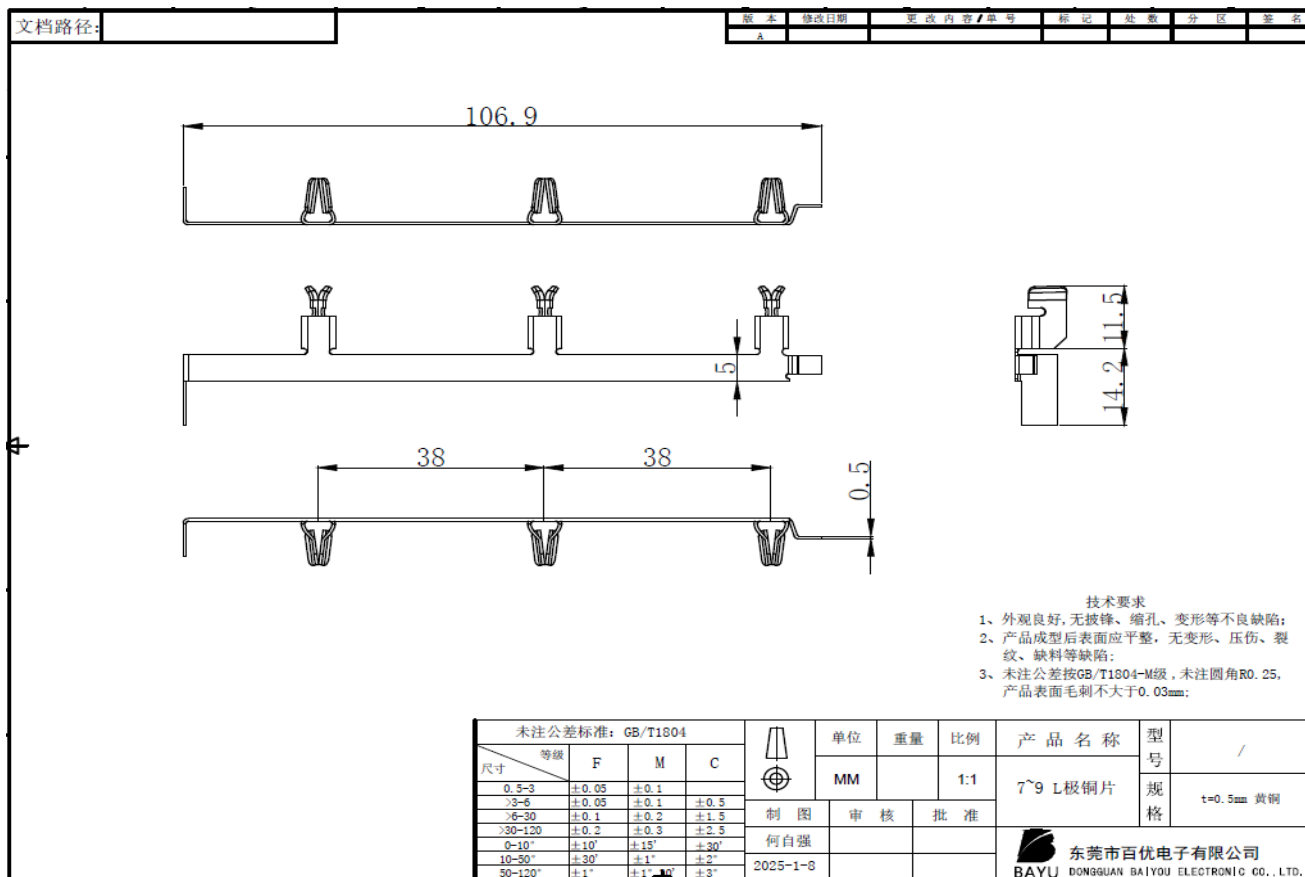
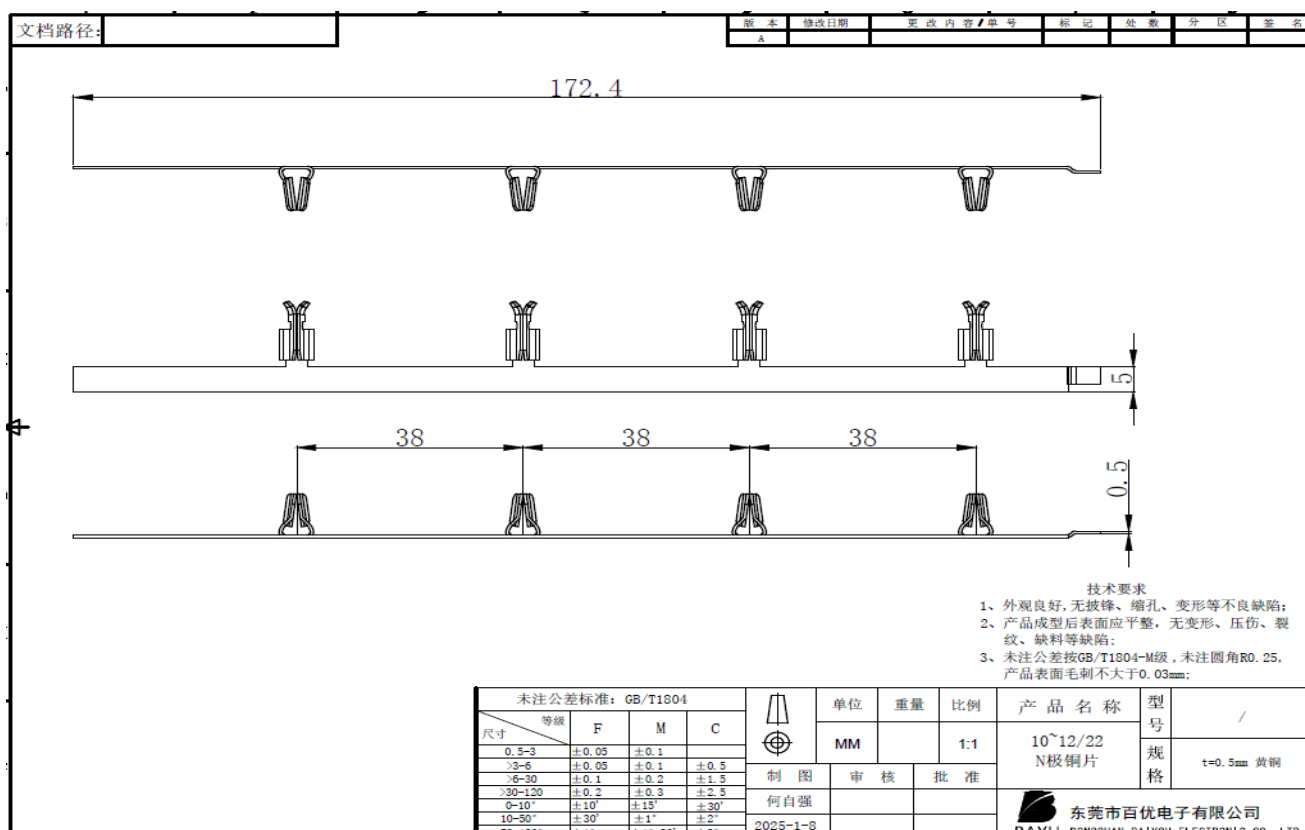


Illustration 43 - N current carrying copper sheet dimension of model BAYU-AJ04 series. (Unit: mm)



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Illustration 44 - G current carrying copper sheet dimension of model BAYU-AJ04 series. (Unit: mm)

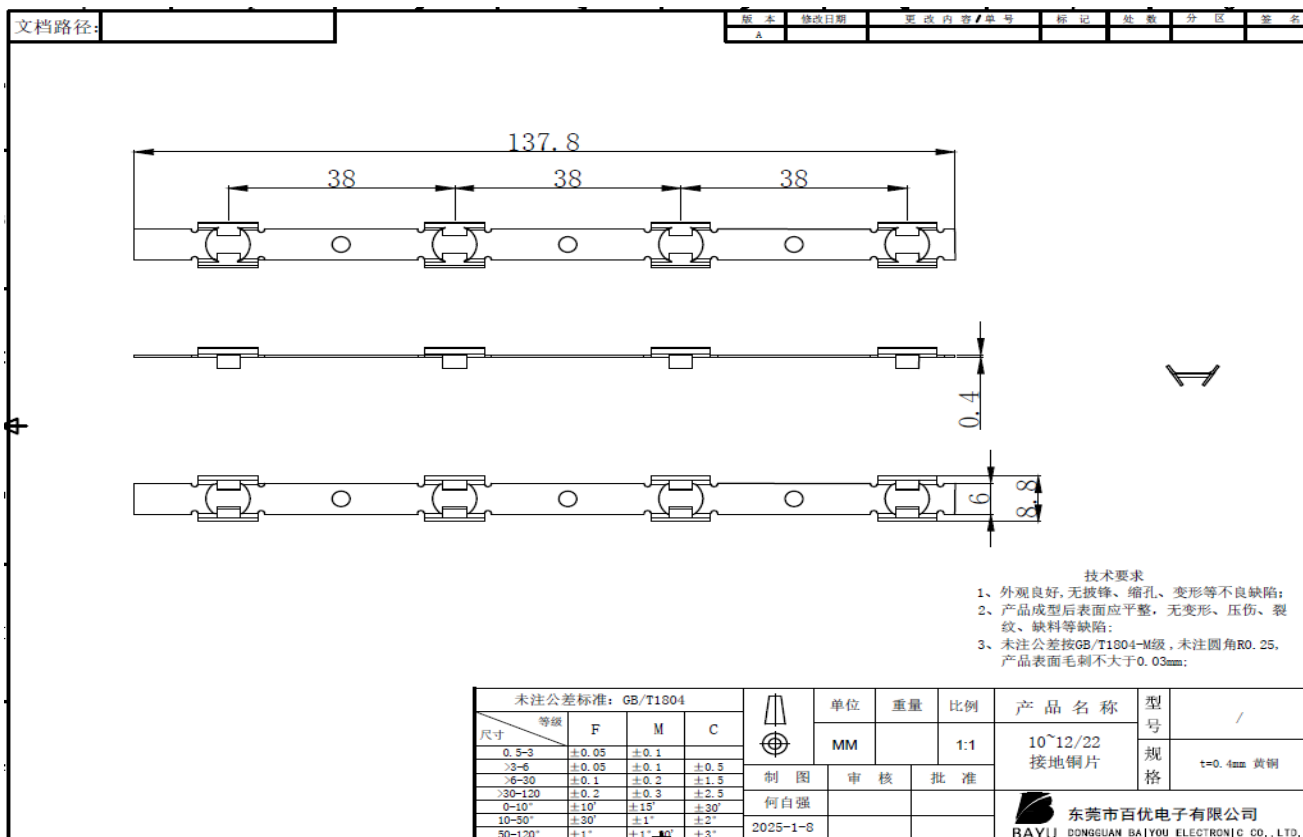
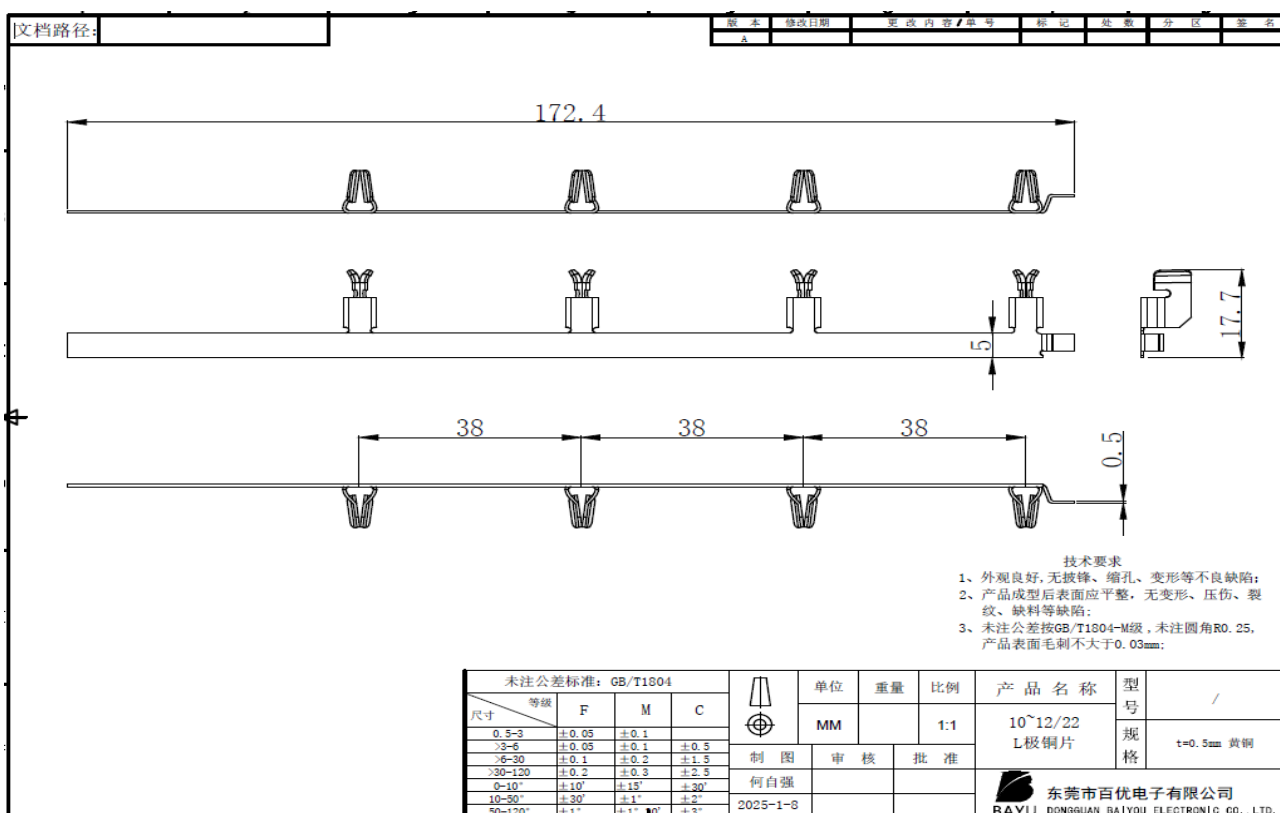


Illustration 45 - L current carrying copper sheet dimension of model BAYU-AJ04 series. (Unit: mm)



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Illustration 46 - N current carrying copper sheet dimension of model BAYU-AJ05 series. (Unit: mm)

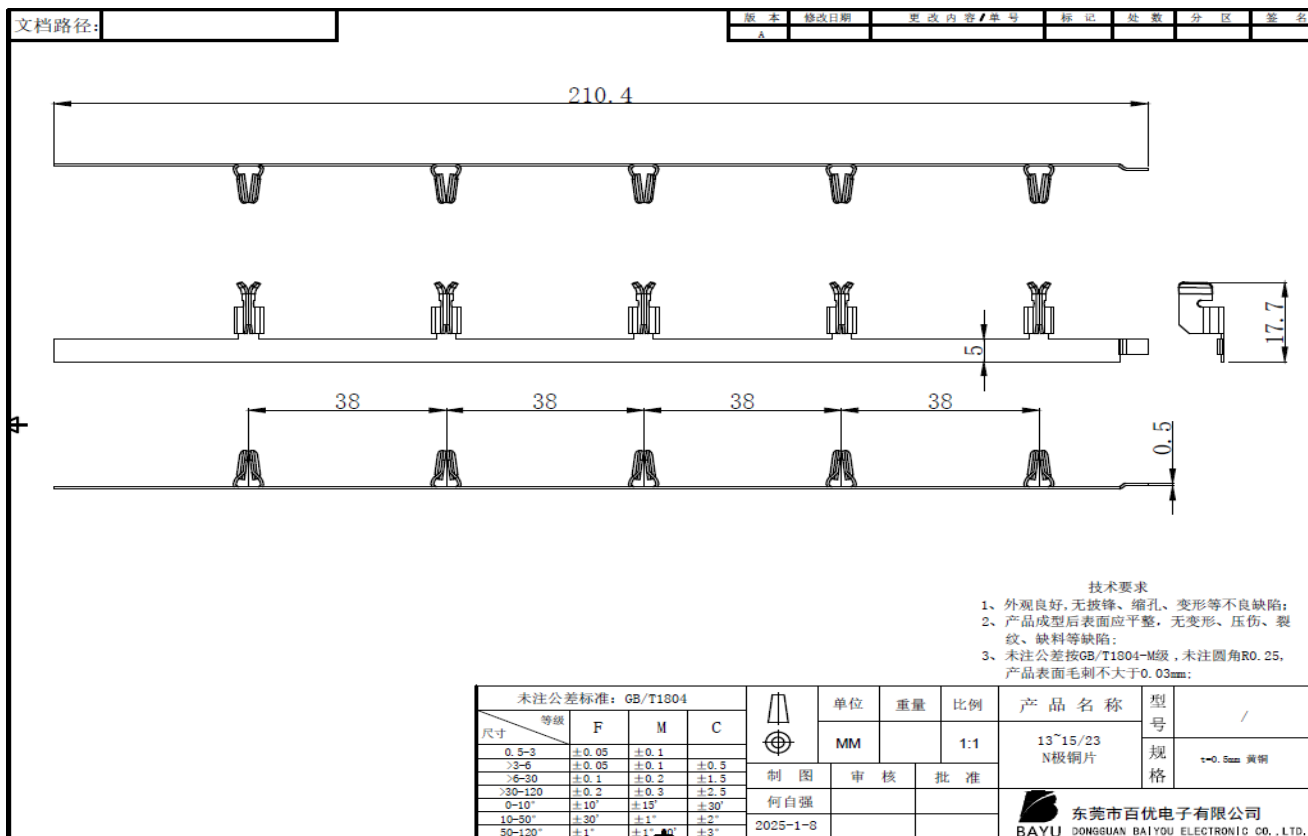
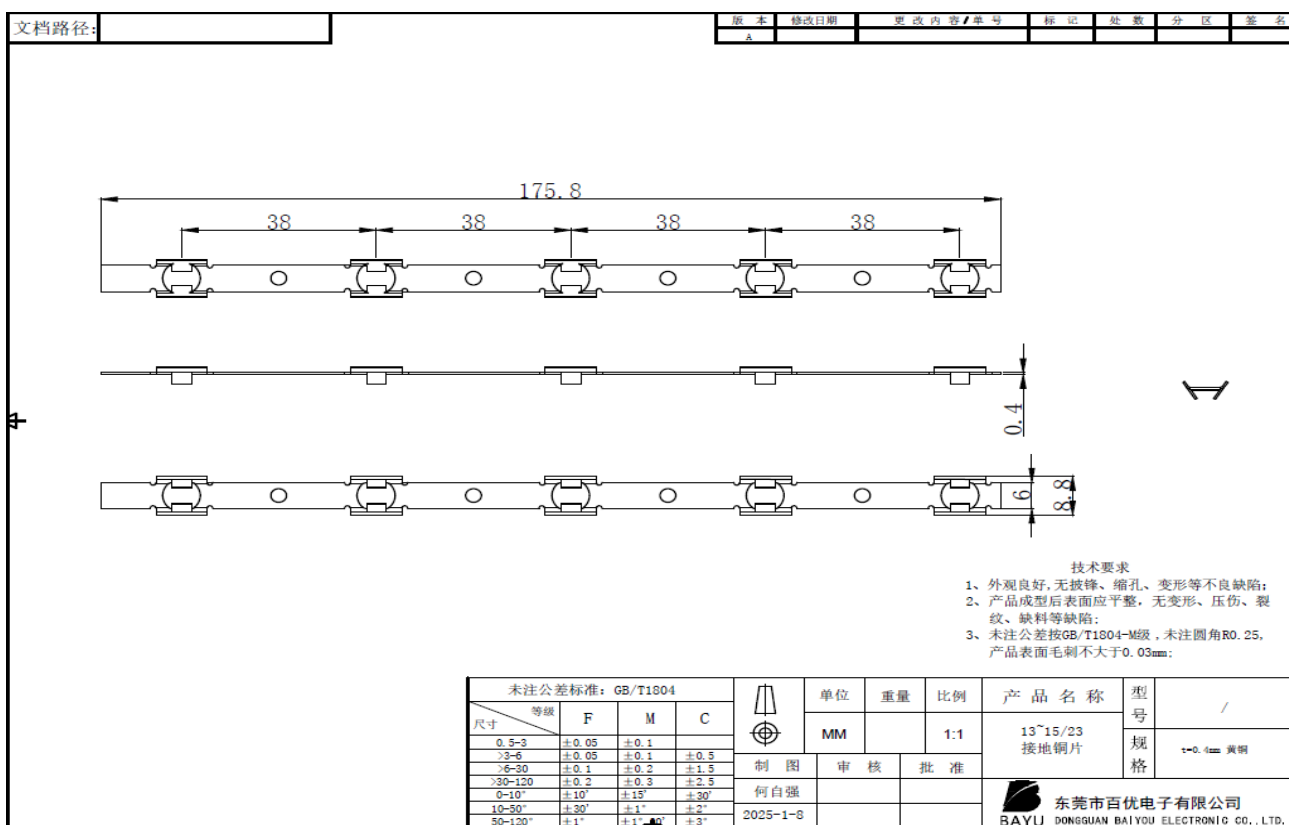


Illustration 47 - G current carrying copper sheet dimension of model BAYU-AJ05 series. (Unit: mm)



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Illustration 48 - L current carrying copper sheet dimension of model BAYU-AJ05 series. (Unit: mm)

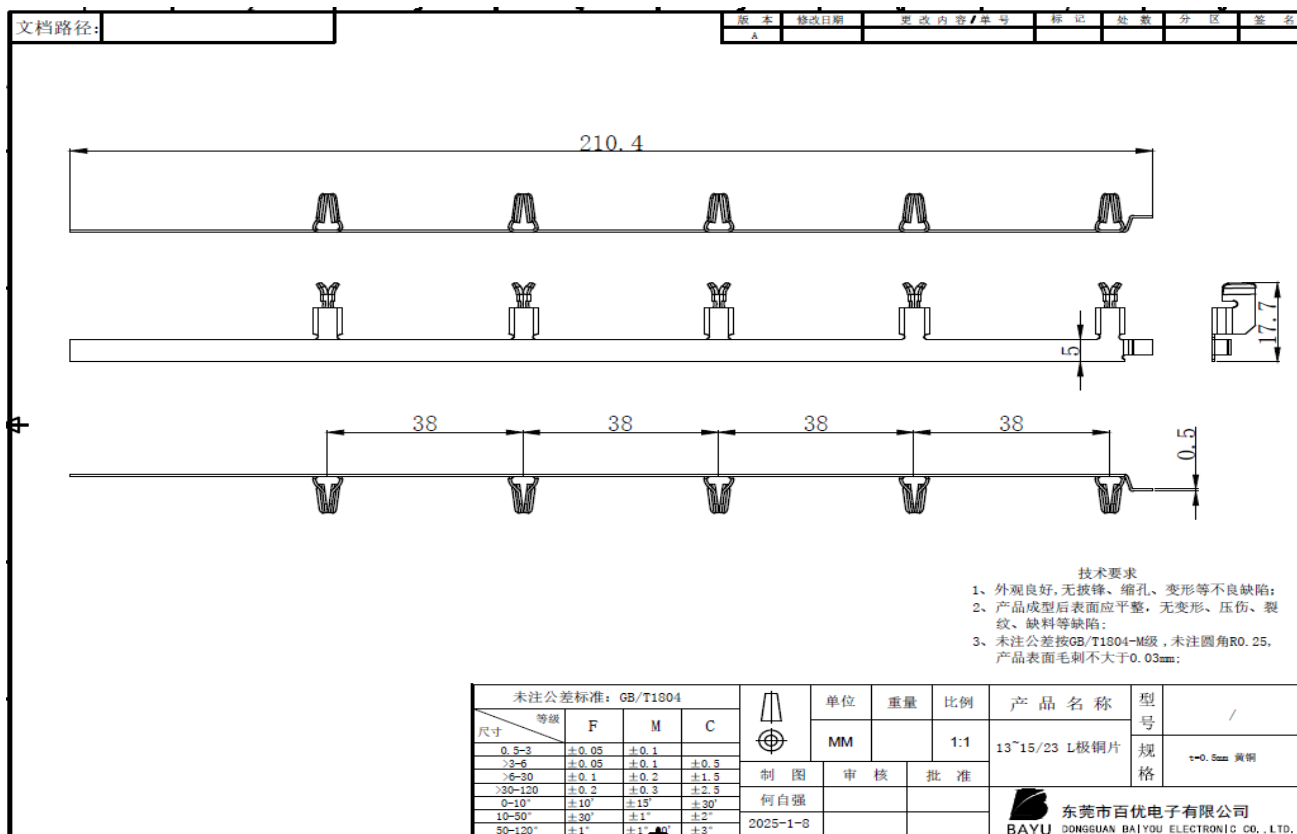
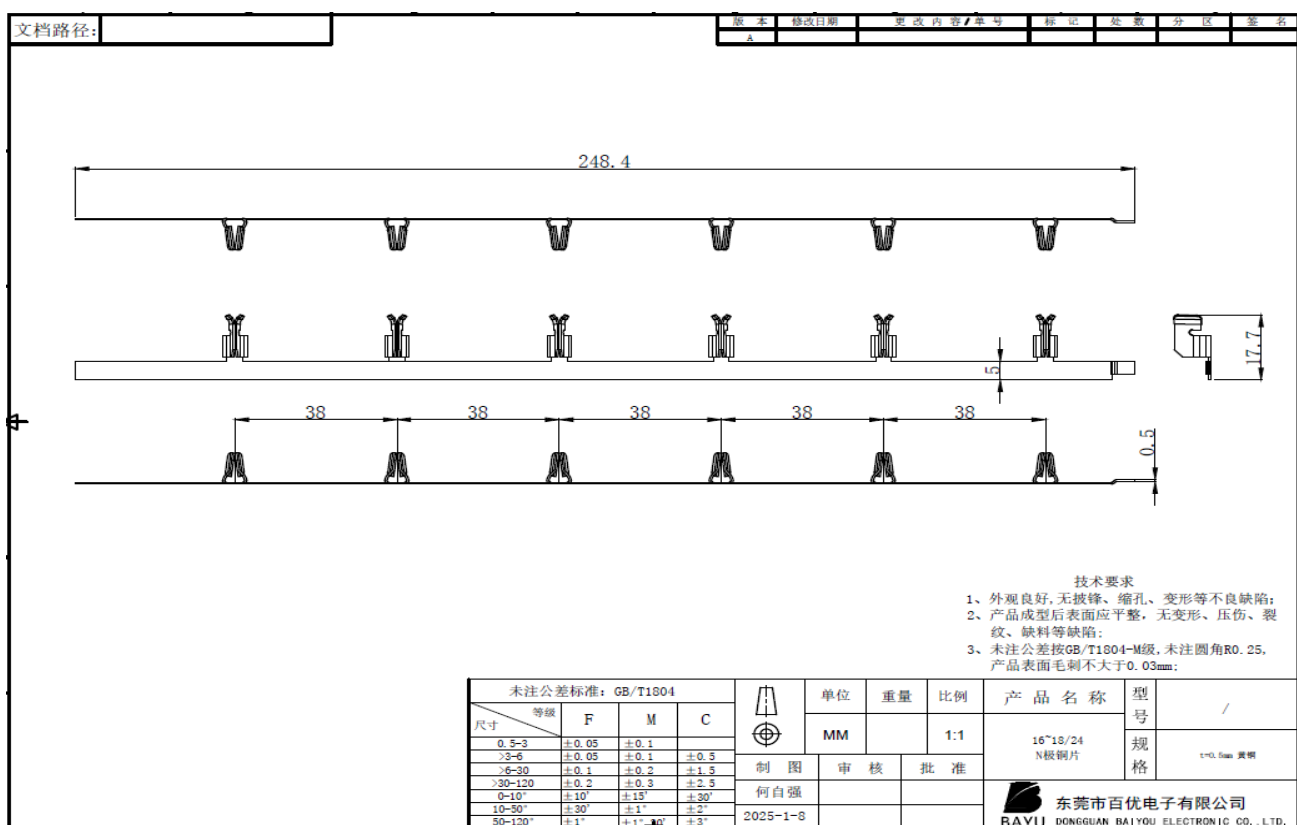


Illustration 49 - N current carrying copper sheet dimension of model BAYU-AJ06 series. (Unit: mm)



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Illustration 50 - G current carrying copper sheet dimension of model BAYU-AJ06 series. (Unit: mm)

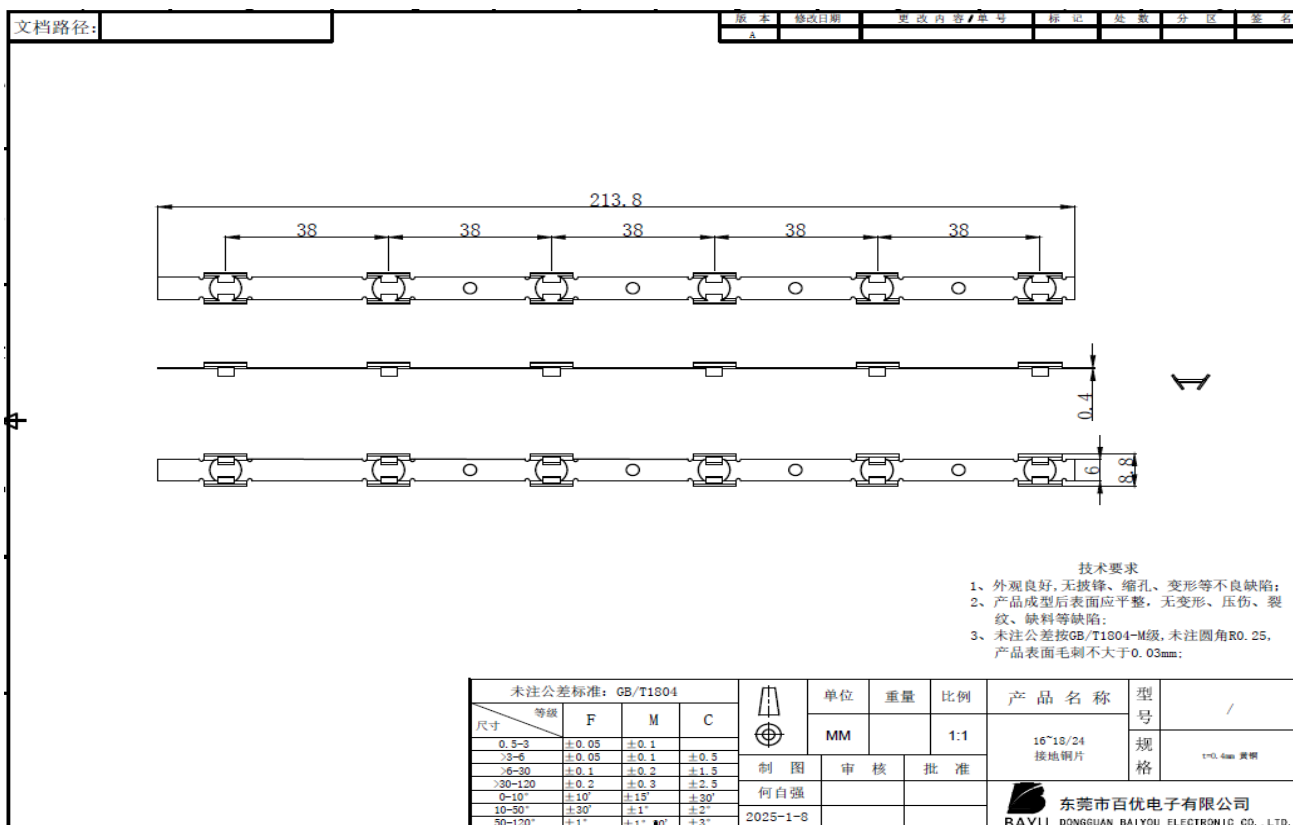
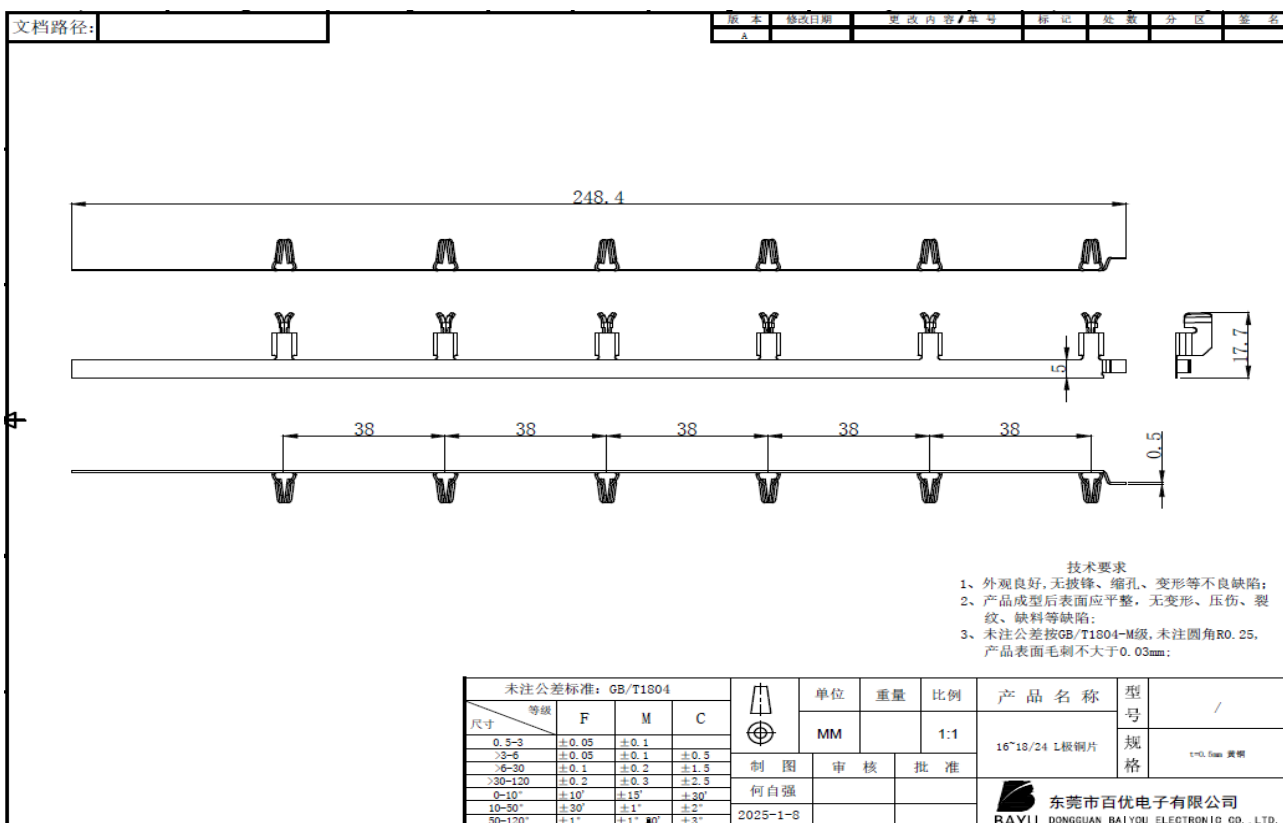


Illustration 51 - L current carrying copper sheet dimension of model BAYU-AJ06 series. (Unit: mm)



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Illustration 52 - N current carrying copper sheet dimension of model BAYU-AJ01 series without USB module and with OCP. (Unit: mm)

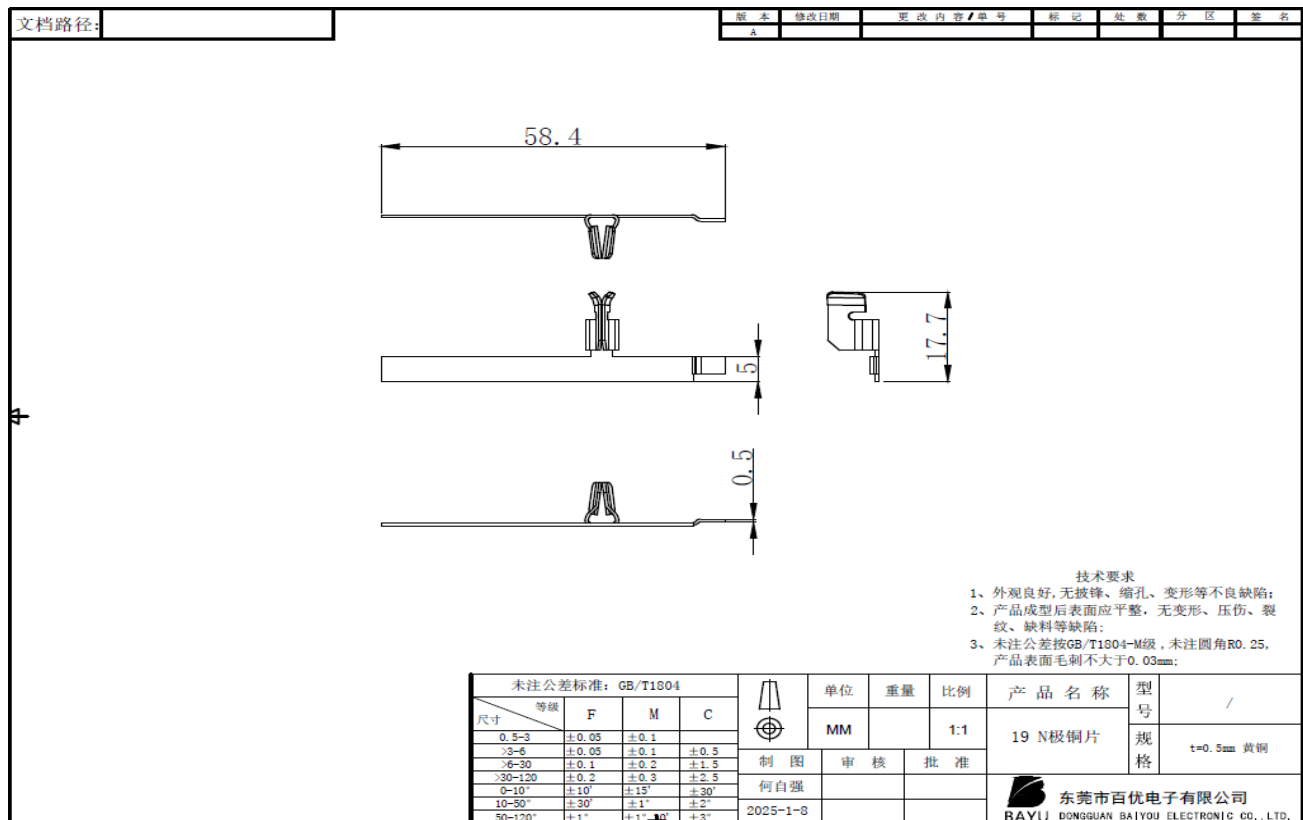
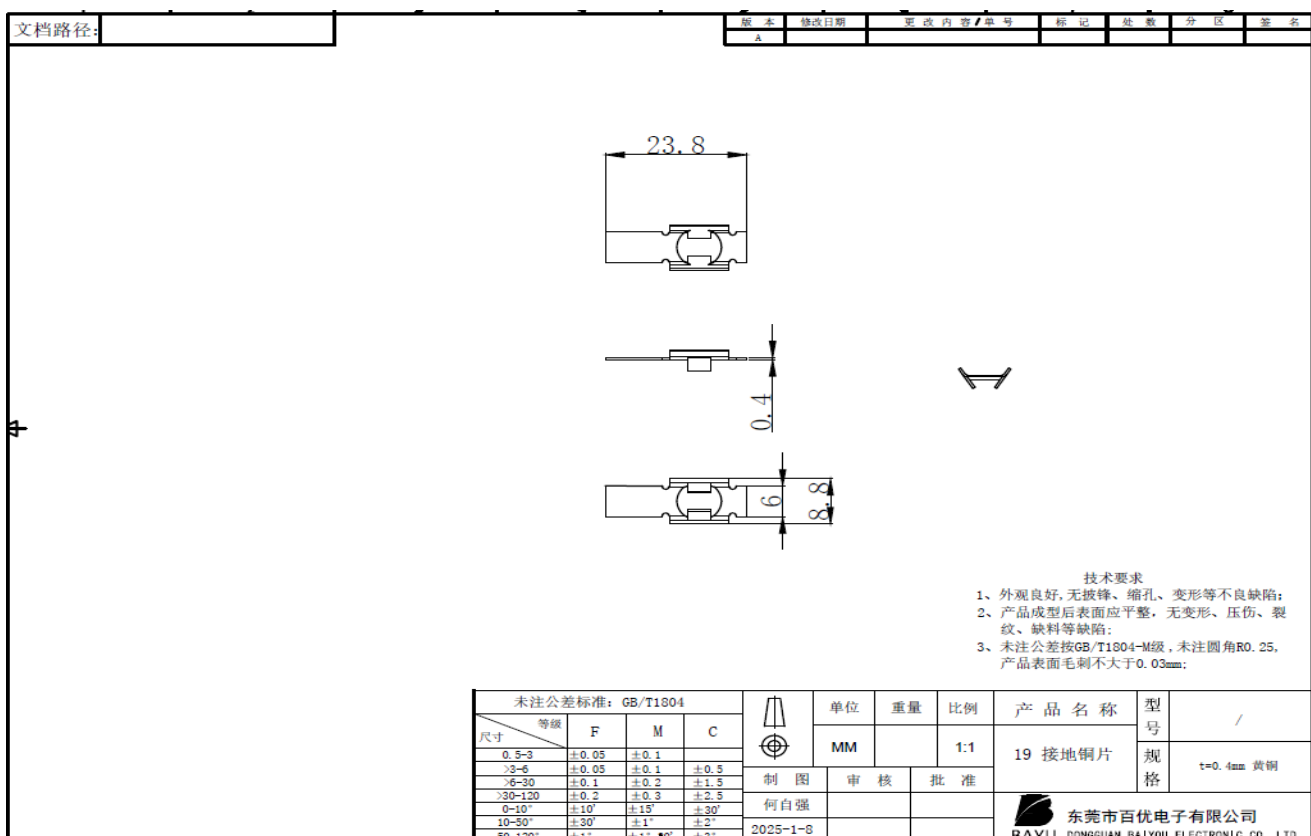


Illustration 53 - G current carrying copper sheet dimension of model BAYU-AJ01 series without USB module and with OCP. (Unit: mm)



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Illustration 54 - L current carrying copper sheet dimension of model BAYU-AJ01 series without USB module and with OCP. (Unit: mm)

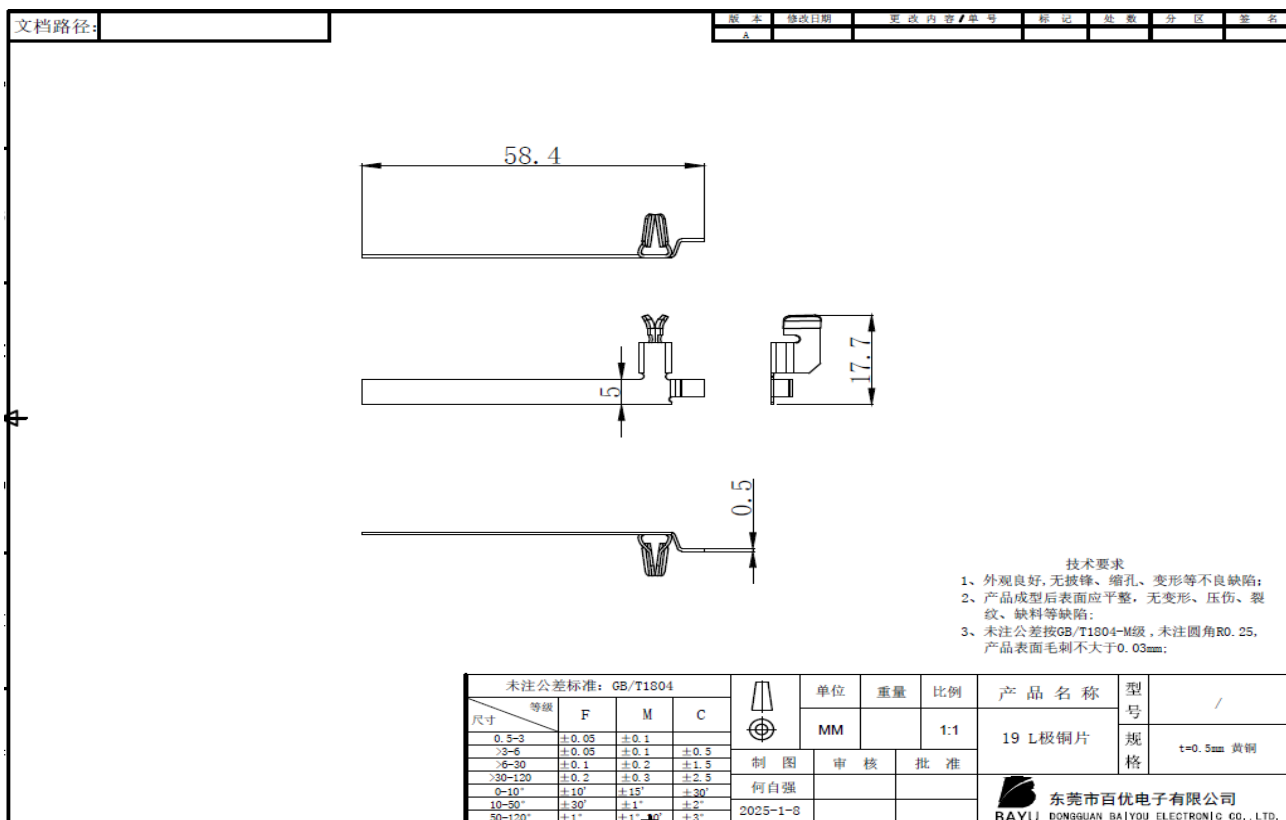
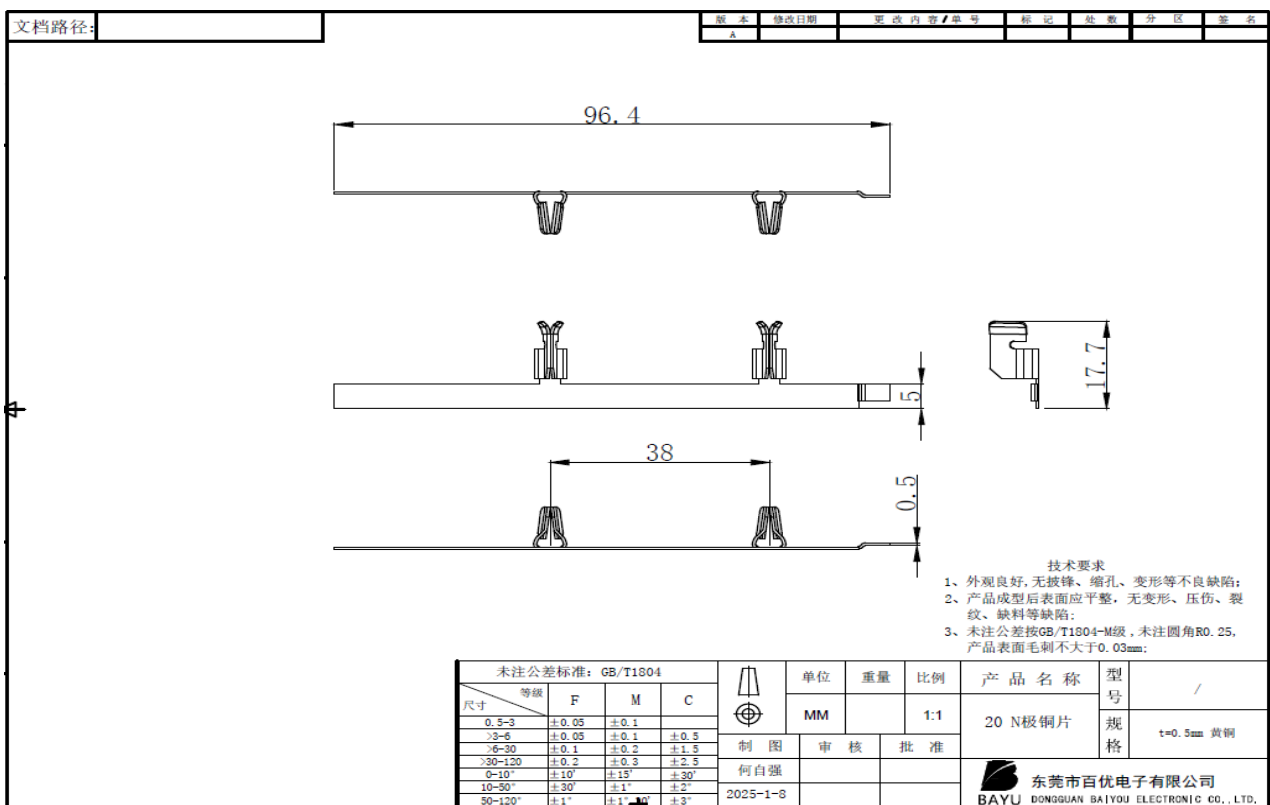


Illustration 55 - N current carrying copper sheet dimension of model BAYU-AJ02 series without USB module and with OCP. (Unit: mm)



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Illustration 56 - G current carrying copper sheet dimension of model BAYU-AJ02 series without USB module and with OCP. (Unit: mm)

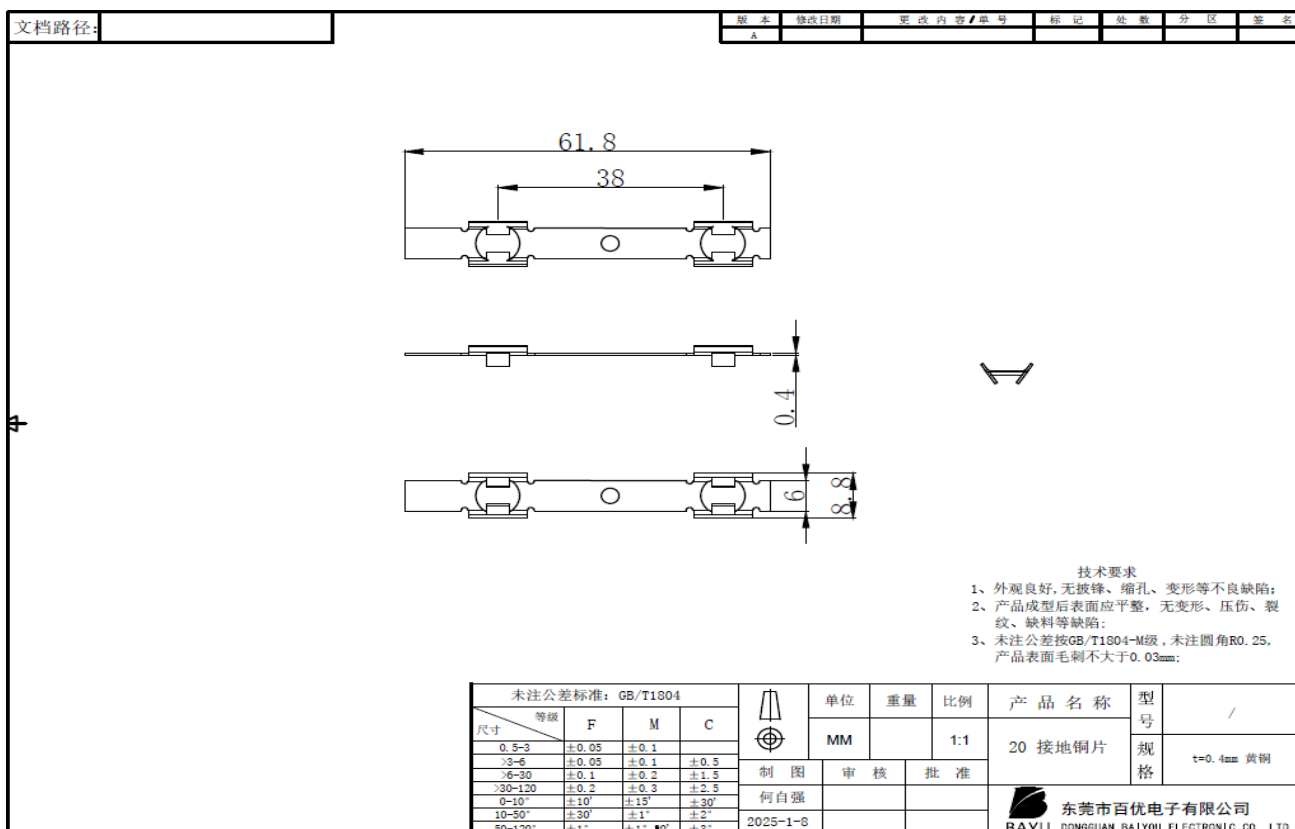
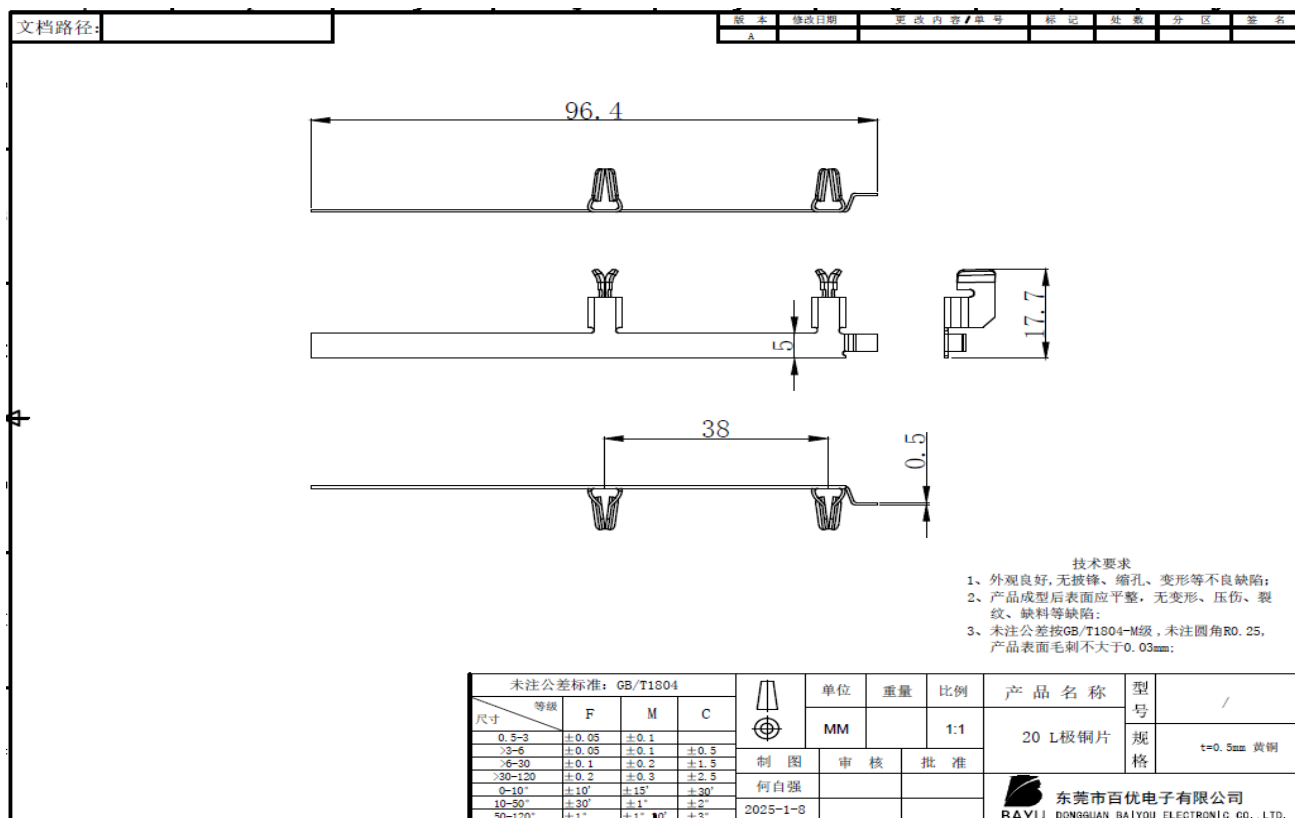


Illustration 57 - L current carrying copper sheet dimension of model BAYU-AJ02 series without USB module and with OCP. (Unit: mm)



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Illustration 58 - N current carrying copper sheet dimension of model BAYU-AJ03 series without USB module and with OCP. (Unit: mm)

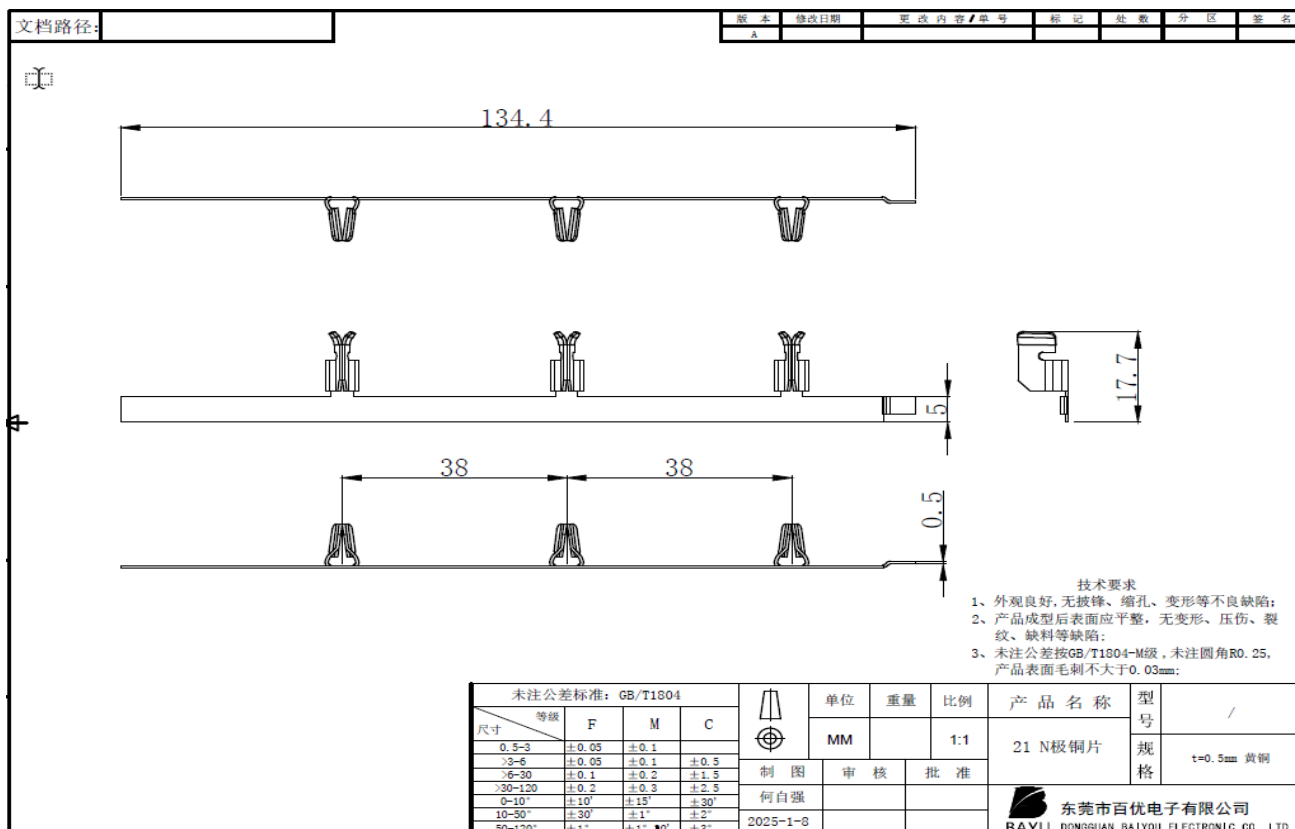
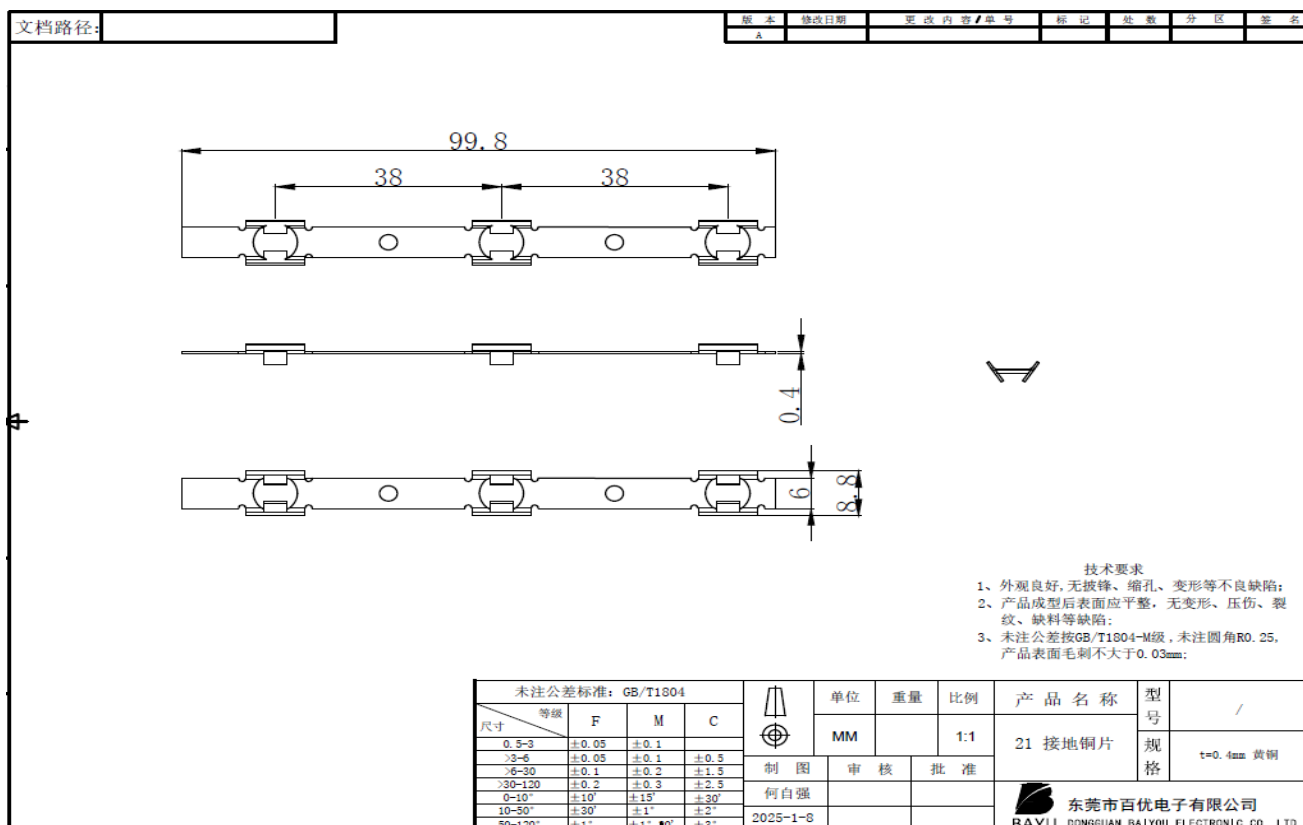


Illustration 59 - G current carrying copper sheet dimension of model BAYU-AJ03 series without USB module and with OCP. (Unit: mm)



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Illustration 60 - L current carrying copper sheet dimension of model BAYU-AJ03 series without USB module and with OCP. (Unit: mm)

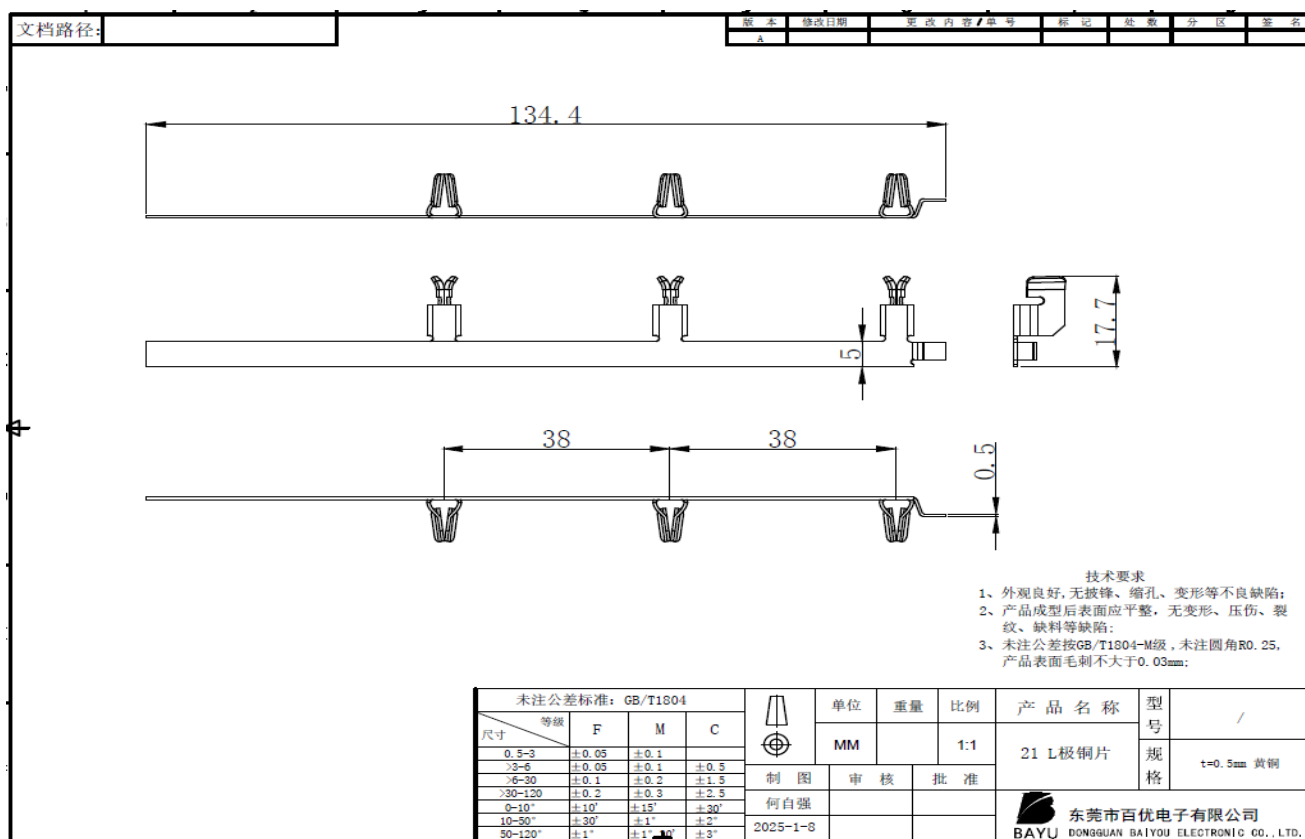
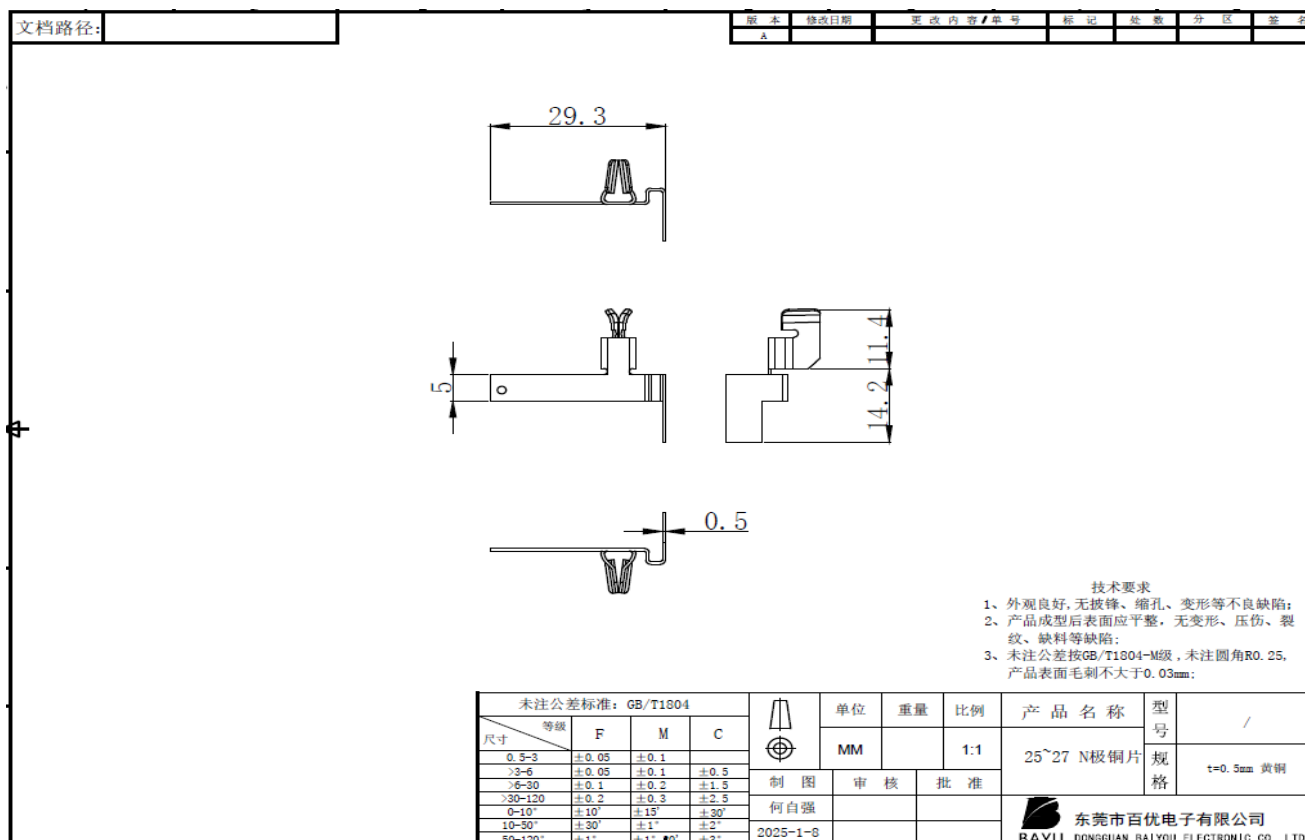


Illustration 61 - N current carrying copper sheet dimension of model BAYU-AQ01 series with USB module and without OCP. (Unit: mm)



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Illustration 62 - G current carrying copper sheet dimension of model BAYU-AQ01 series with USB module and without OCP. (Unit: mm)

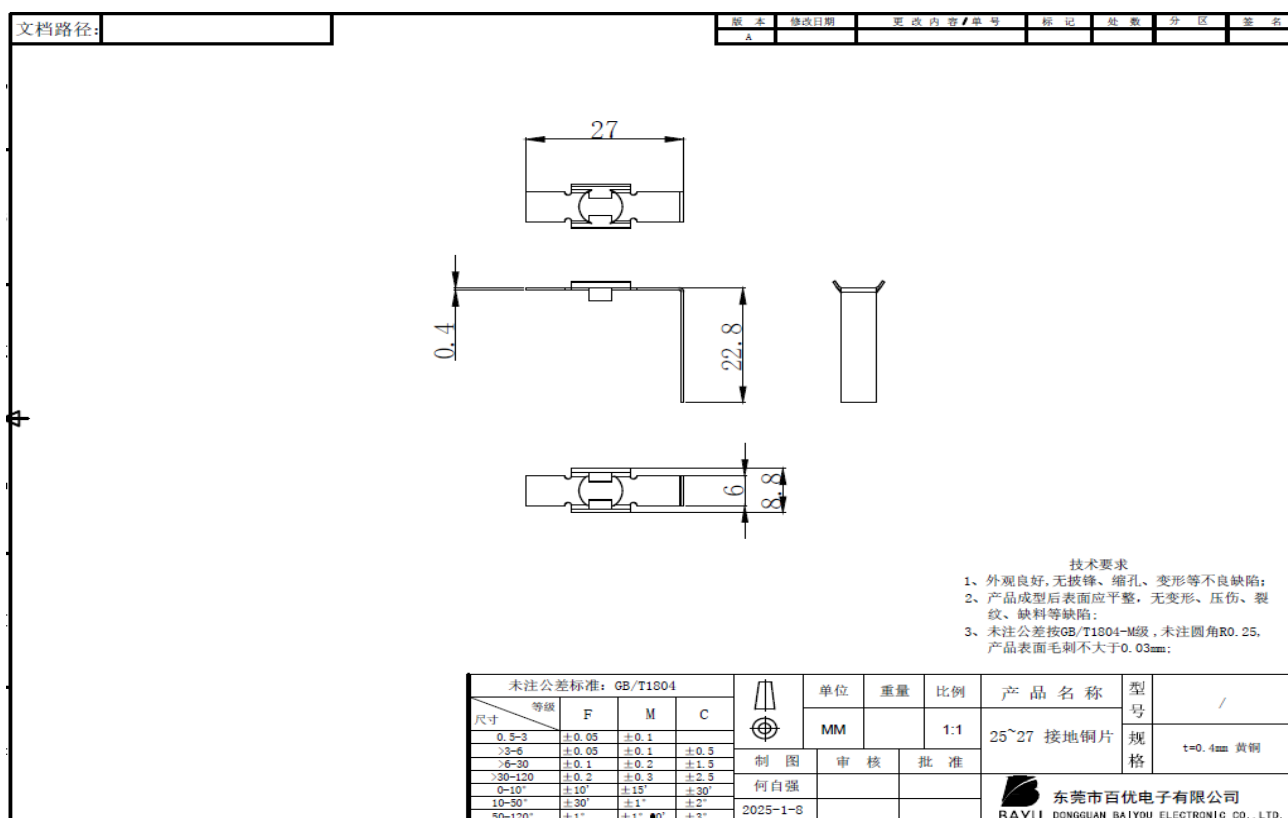
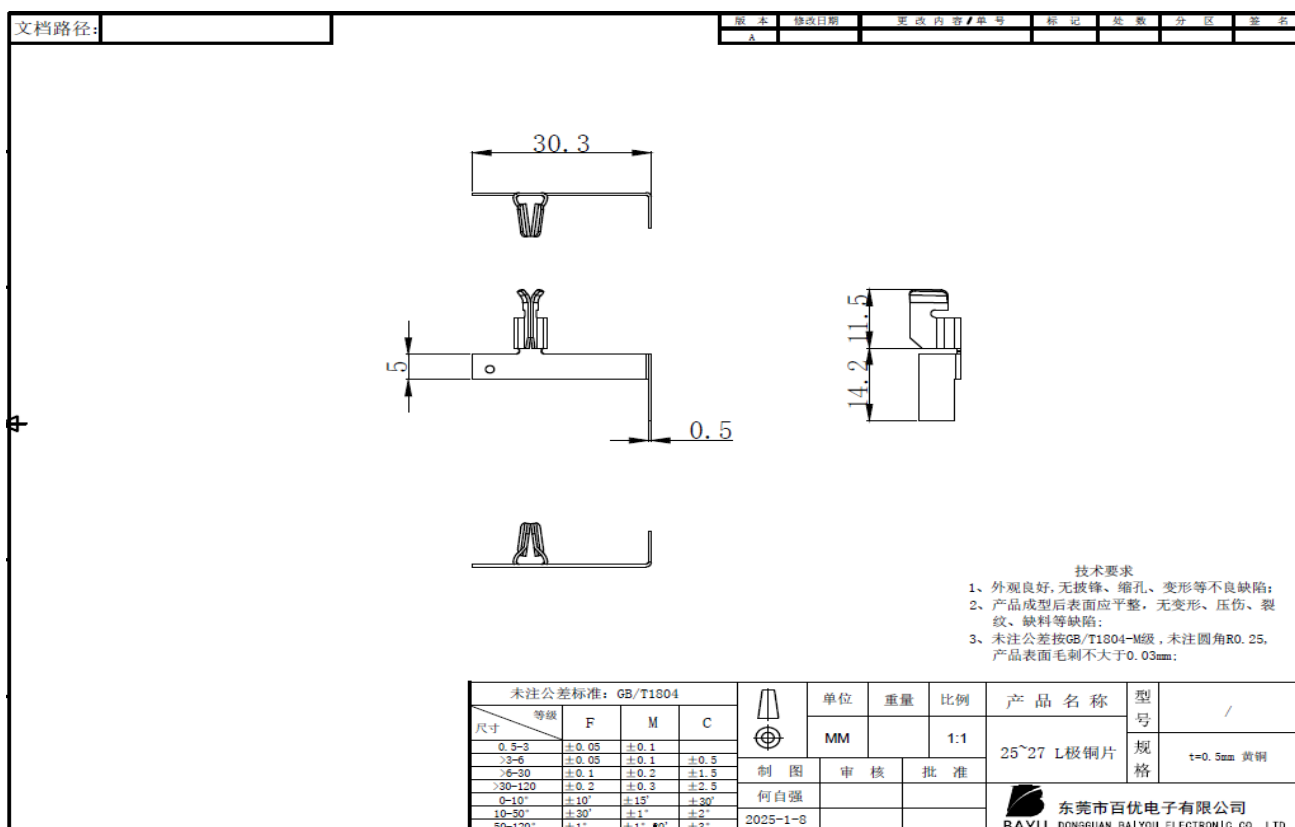


Illustration 63 - L current carrying copper sheet dimension of model BAYU-AQ01 series with USB module and without OCP. (Unit: mm)



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Illustration 64 - N current carrying copper sheet dimension of model BAYU-AQ02 series with/ without USB module and without OCP. (Unit: mm)

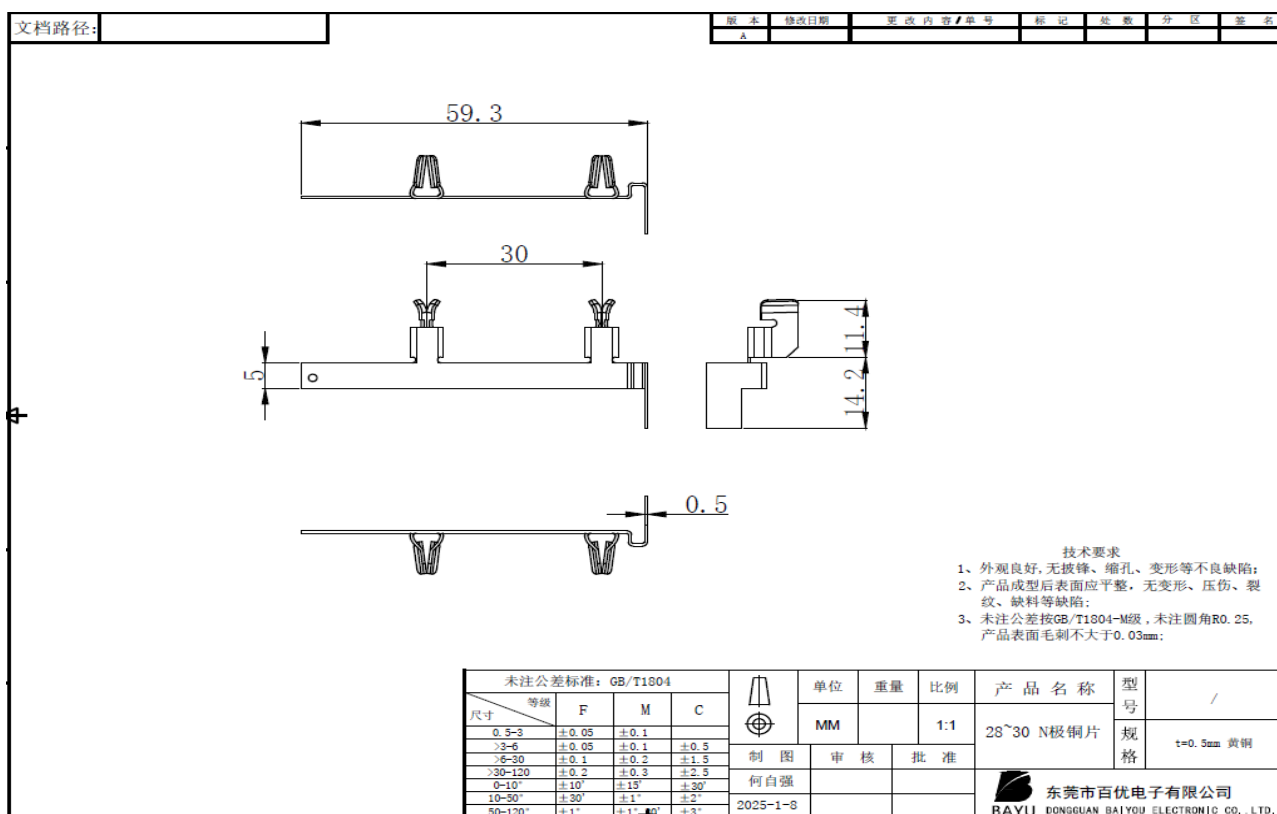
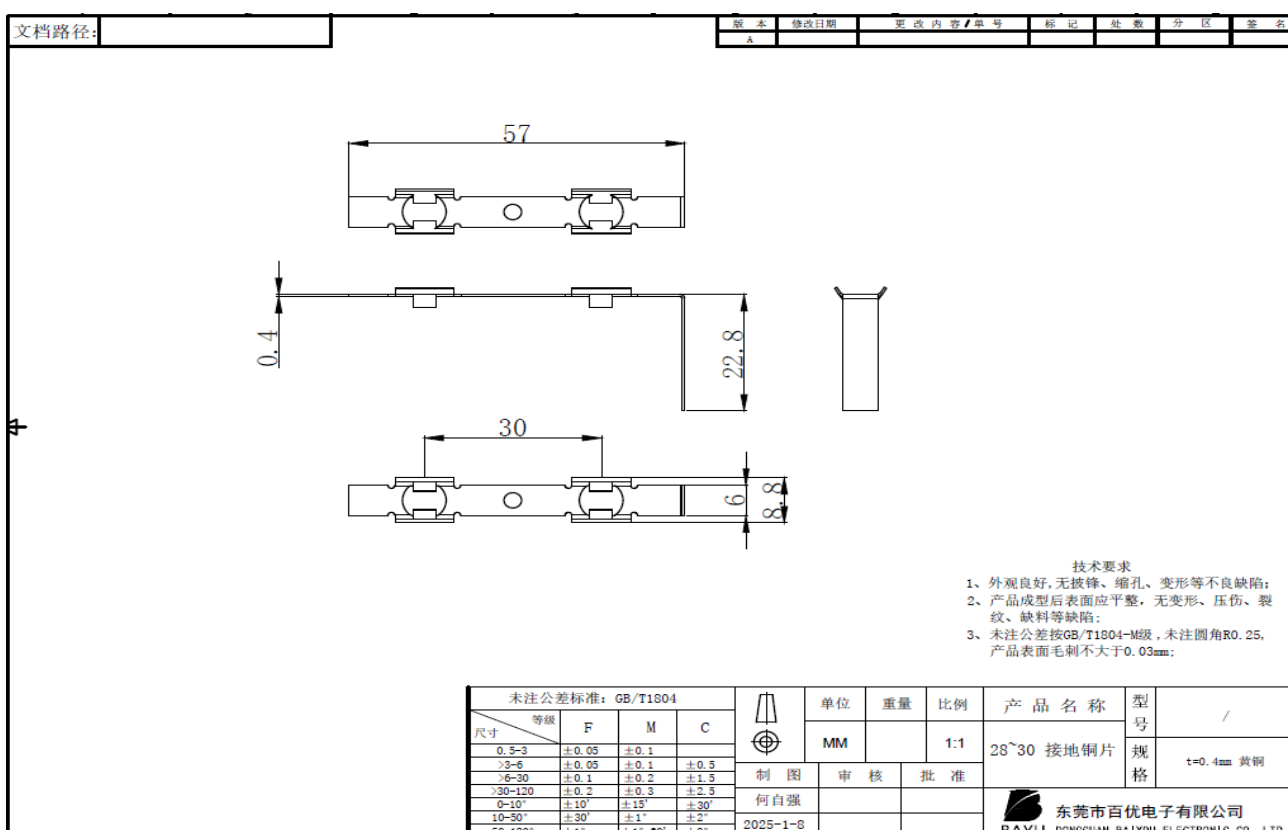


Illustration 65 - G current carrying copper sheet dimension of model BAYU-AQ02 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 66 - L current carrying copper sheet dimension of model BAYU-AQ02 series with/ without USB module and without OCP. (Unit: mm)

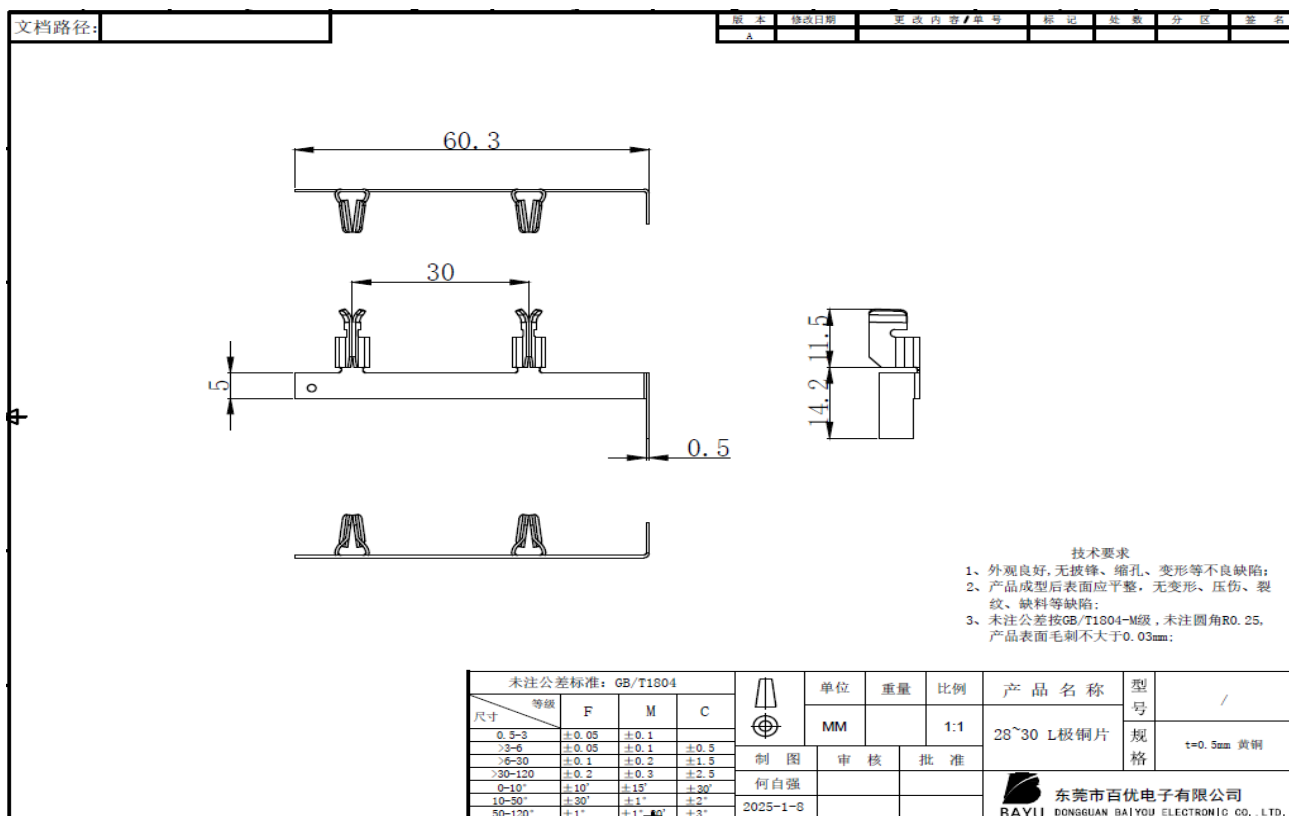
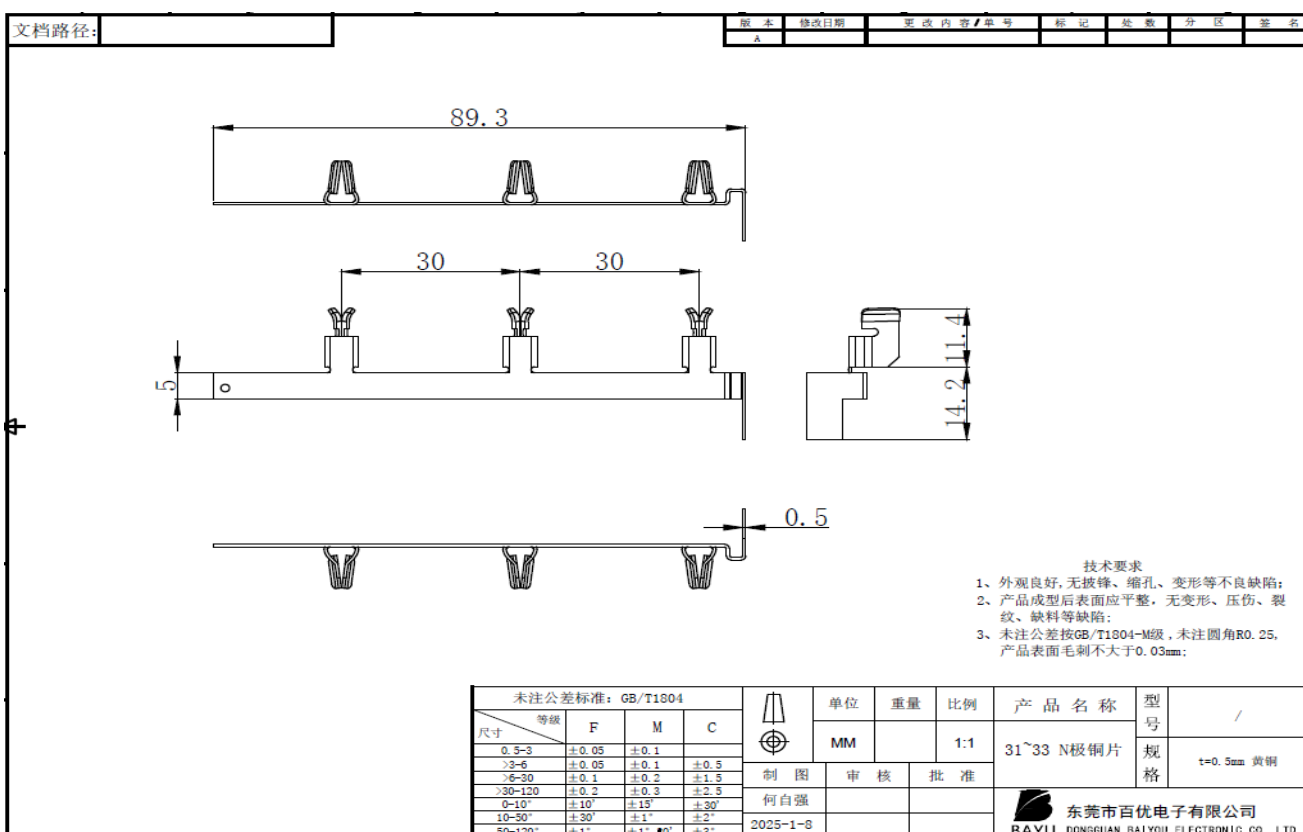


Illustration 67 - N current carrying copper sheet dimension of model BAYU-AQ03 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 68 - G current carrying copper sheet dimension of model BAYU-AQ03 series with/ without USB module and without OCP. (Unit: mm)

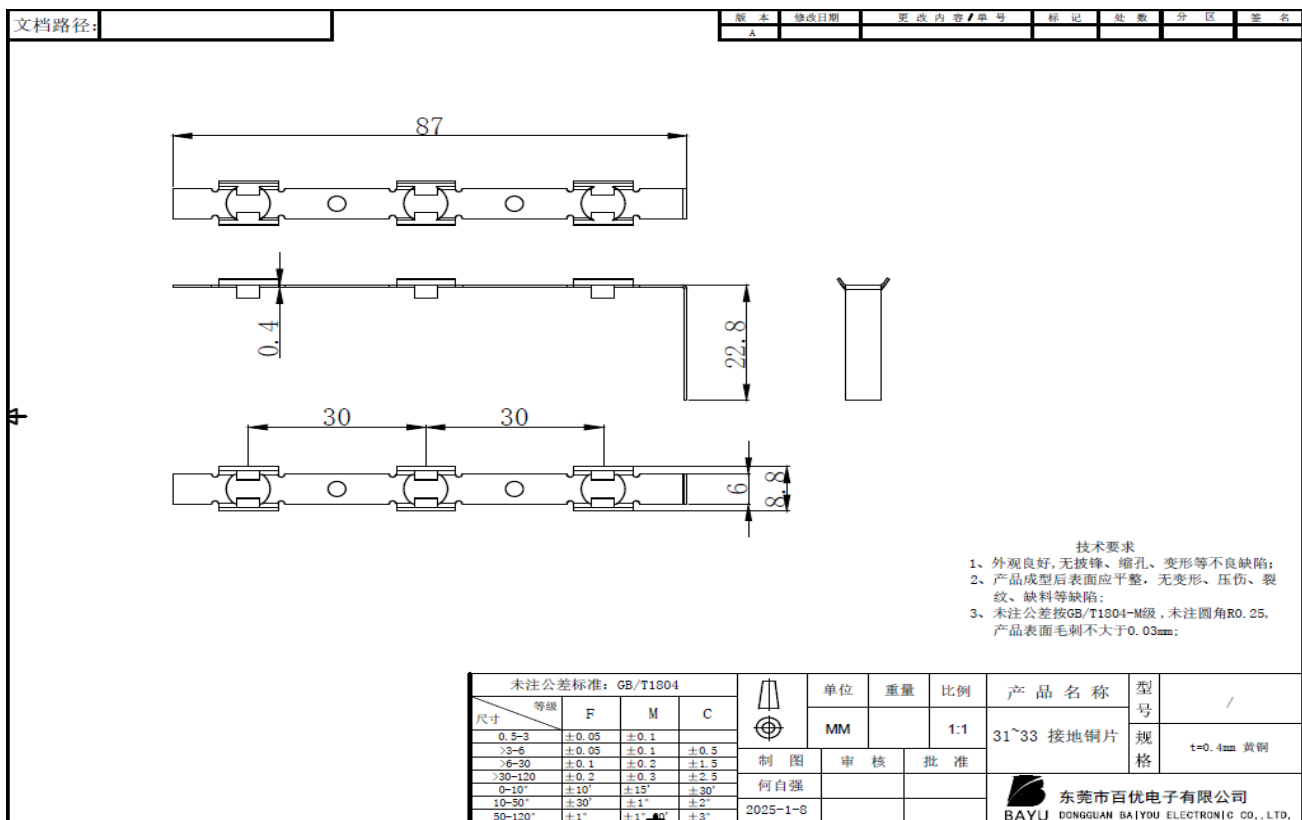
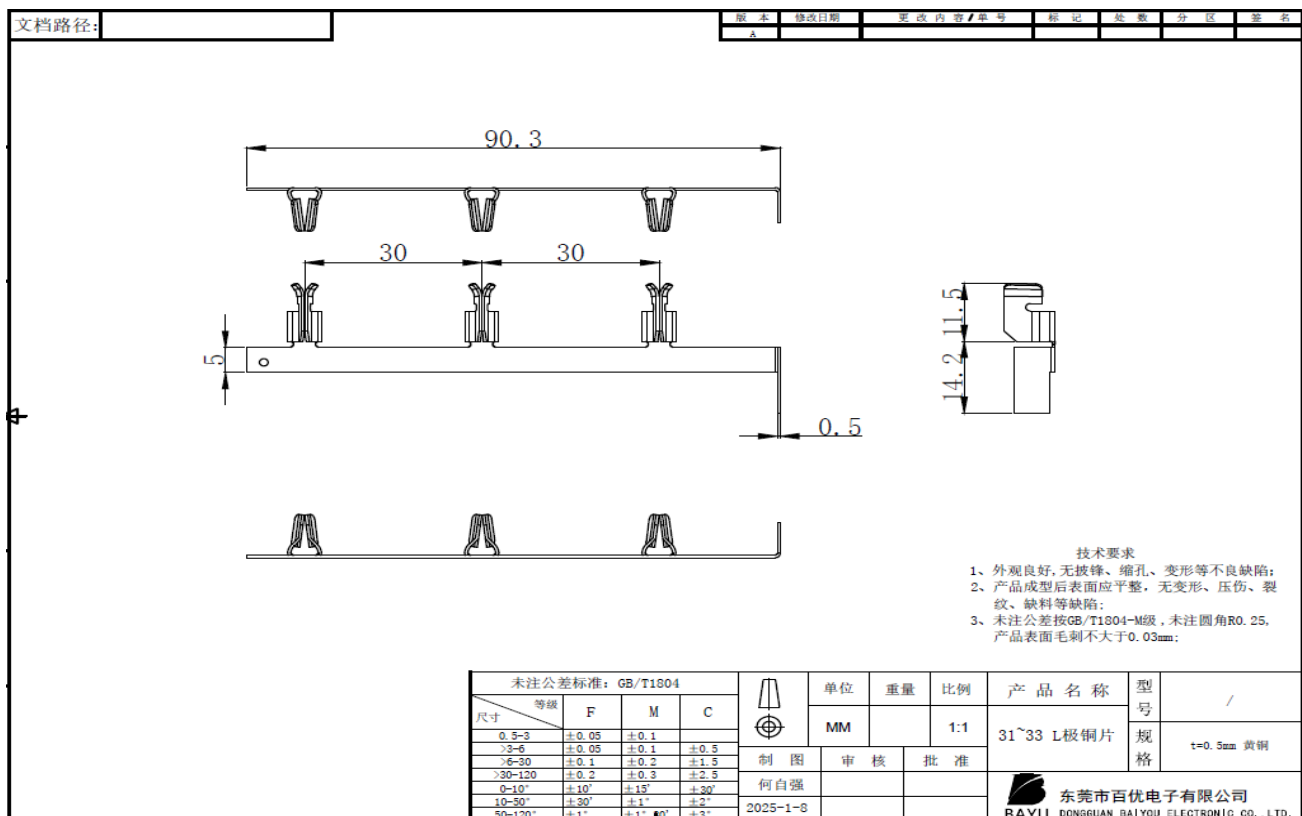


Illustration 69 - L current carrying copper sheet dimension of model BAYU-AQ03 series with/ without USB module and without OCP. (Unit: mm)



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Illustration 70 - N current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)

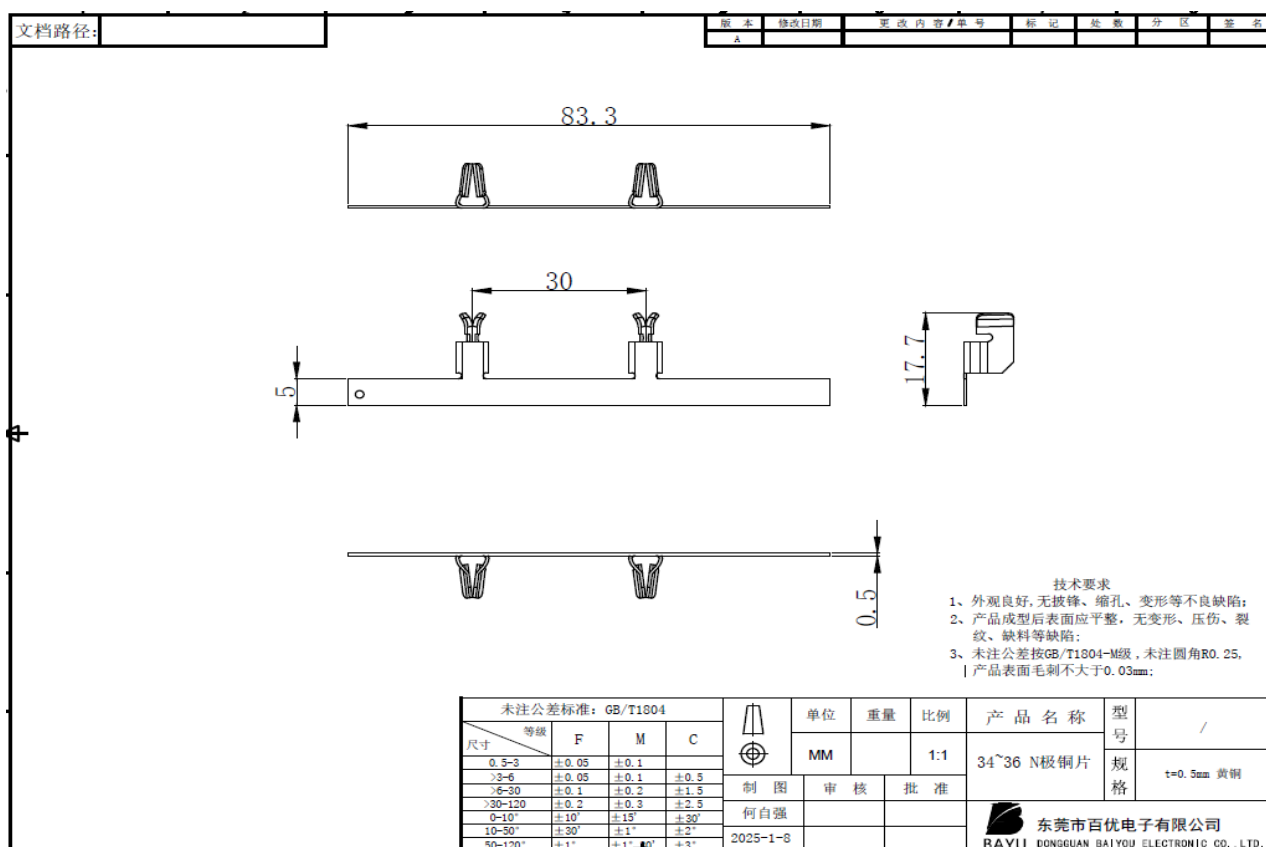
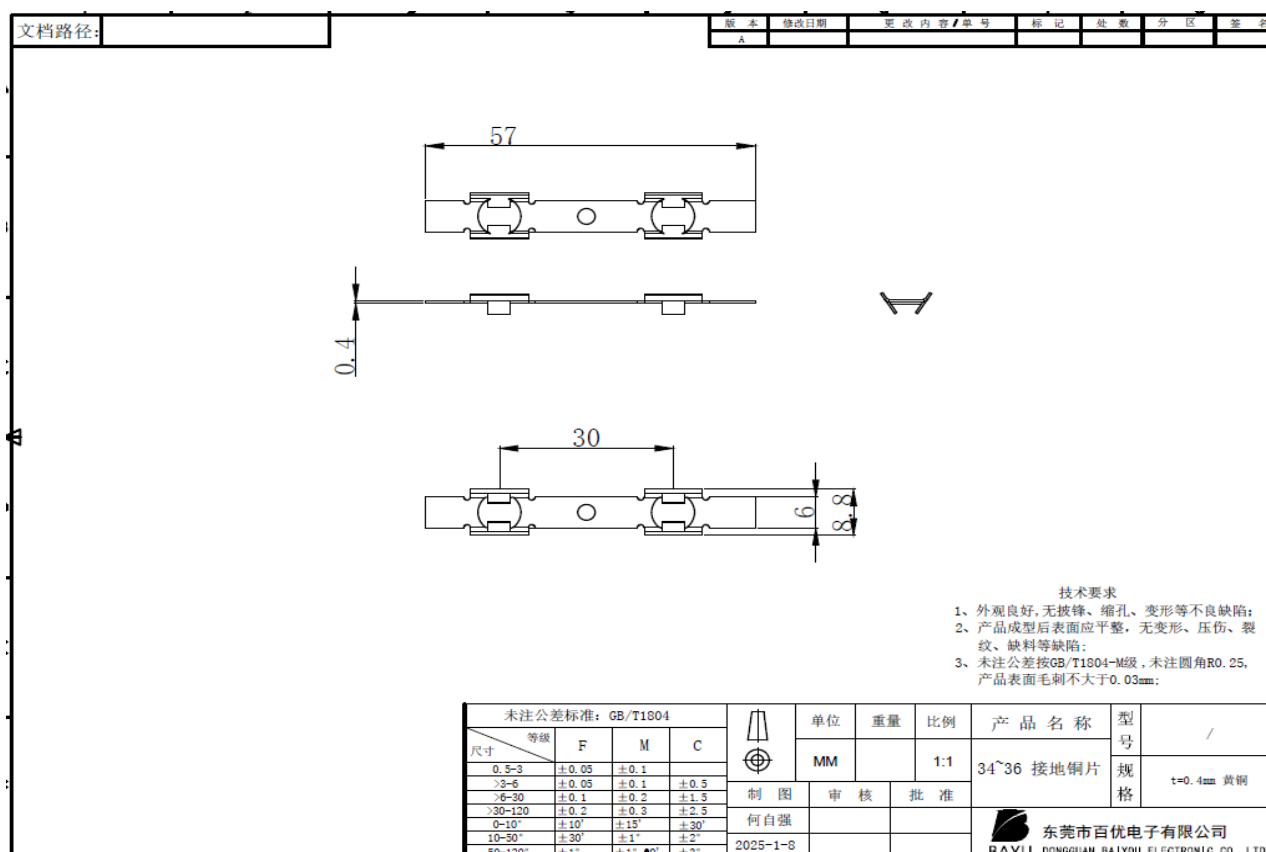


Illustration 71 - G current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)



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Illustration 72 - L current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)

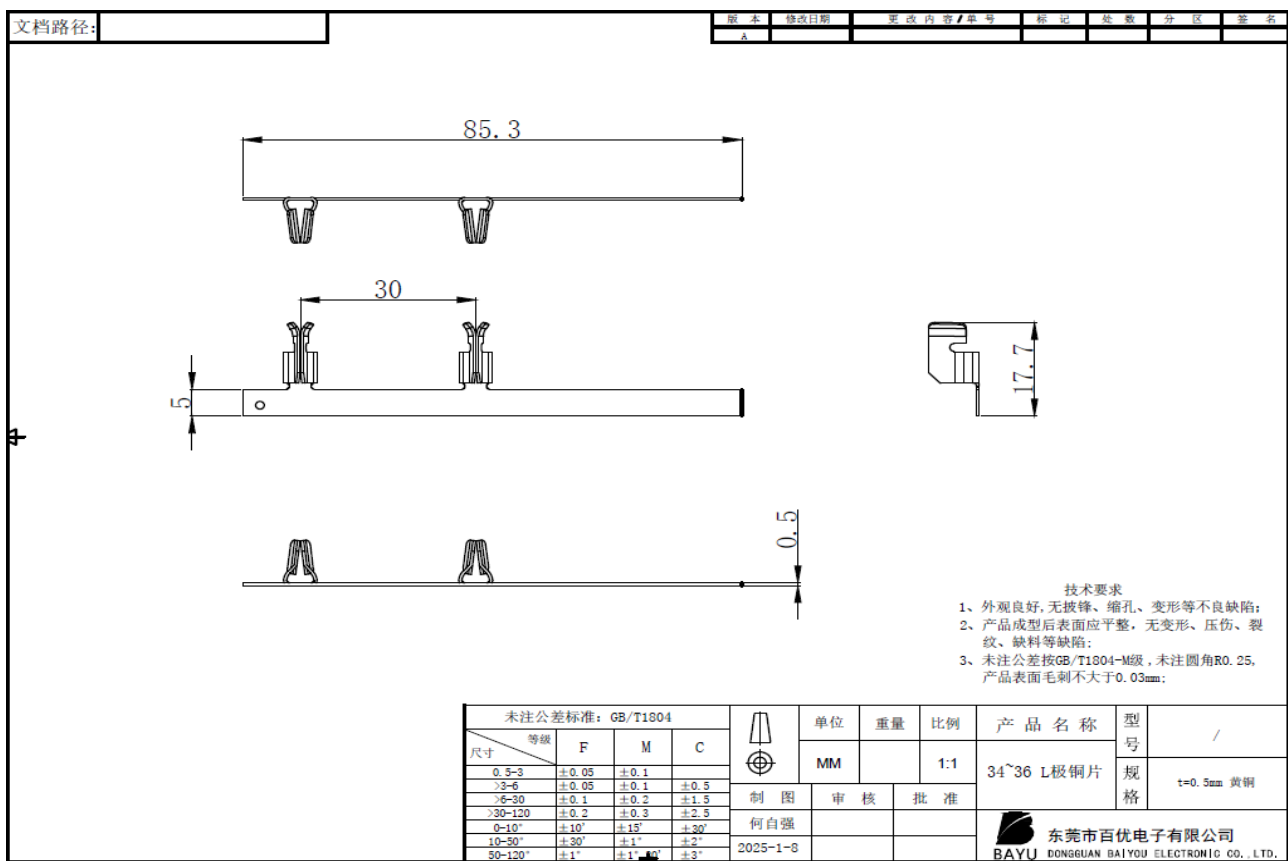
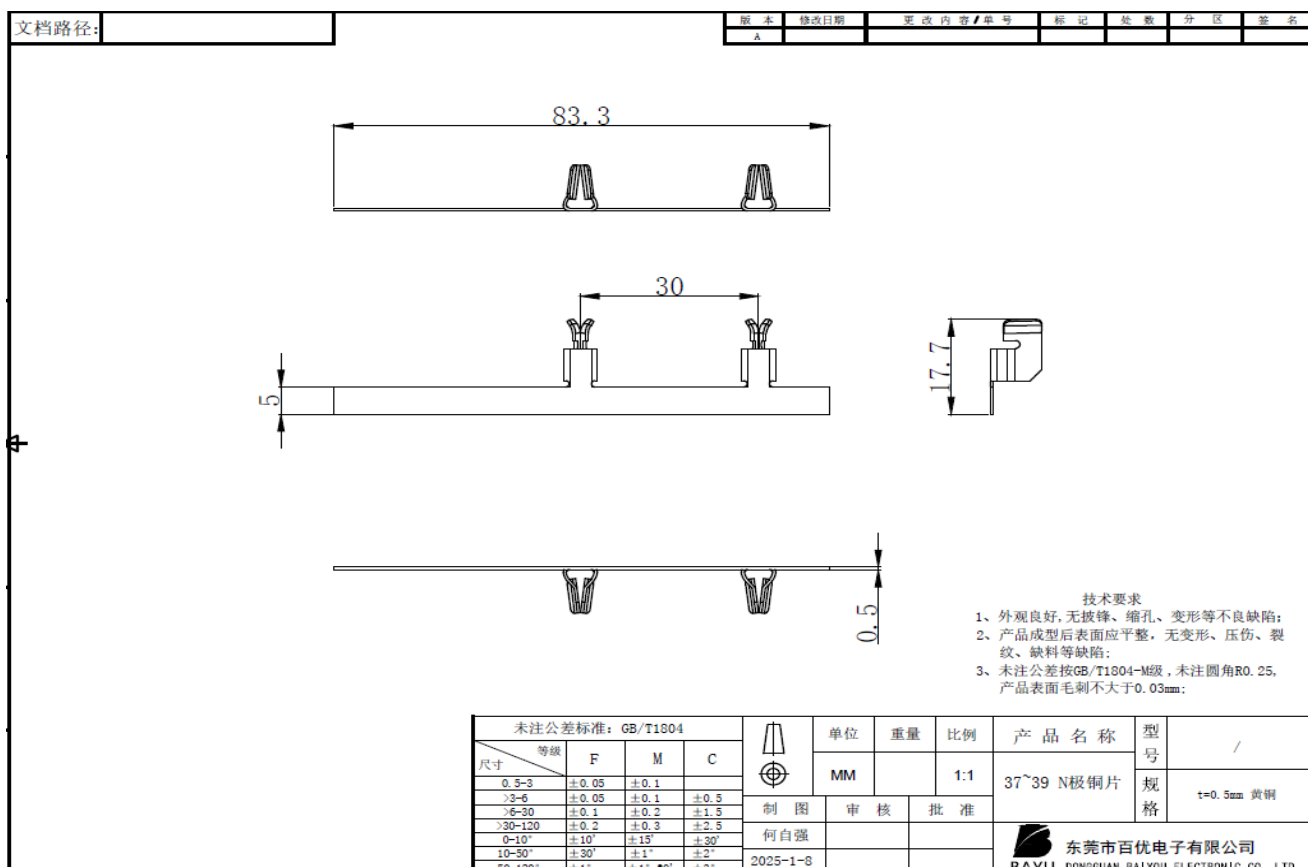


Illustration 73 - N current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)



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Illustration 74 - G current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)

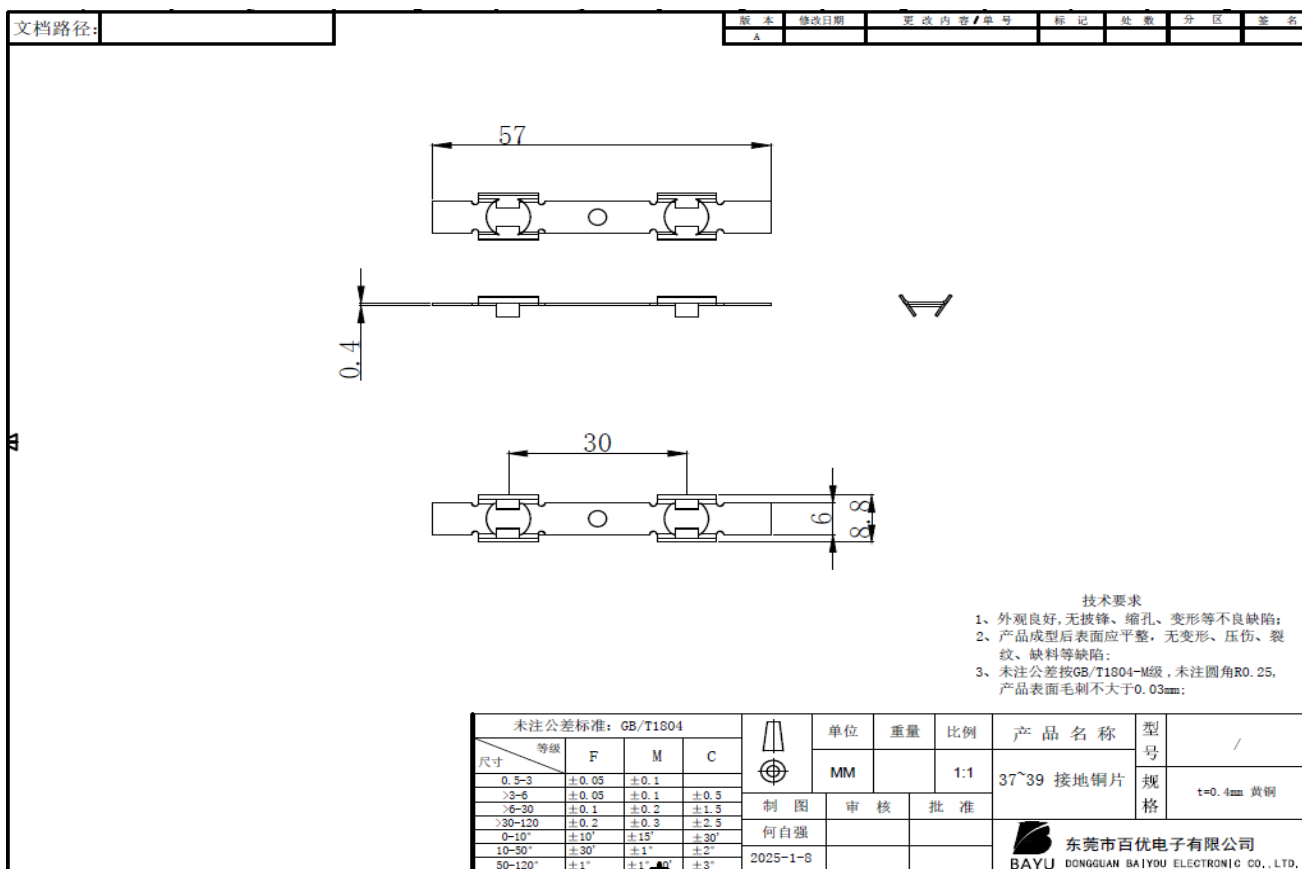
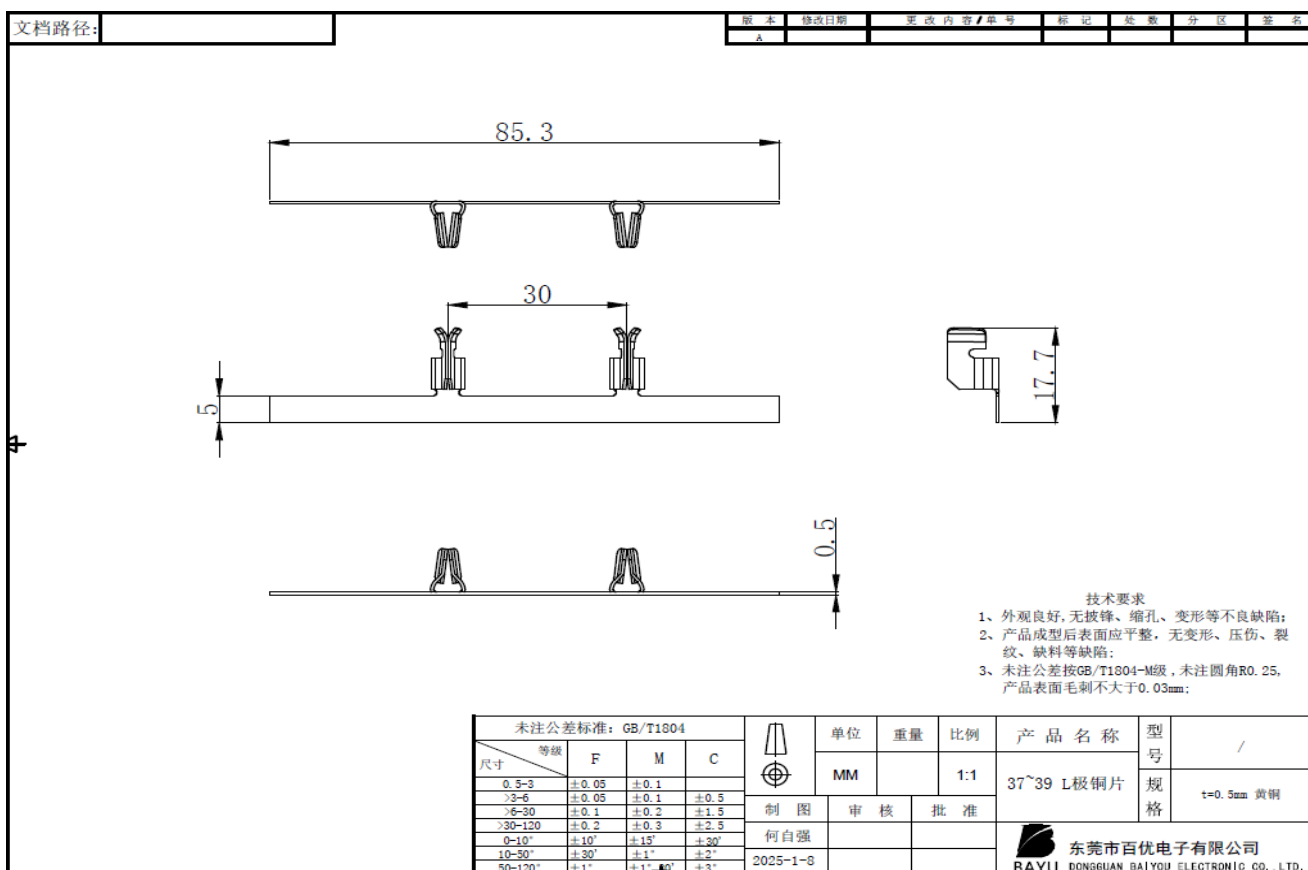


Illustration 75 - L current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and USB module. (Unit: mm)



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Illustration 76 - N current carrying copper sheet dimension of model BAYU-AQ04 series. (Unit: mm)

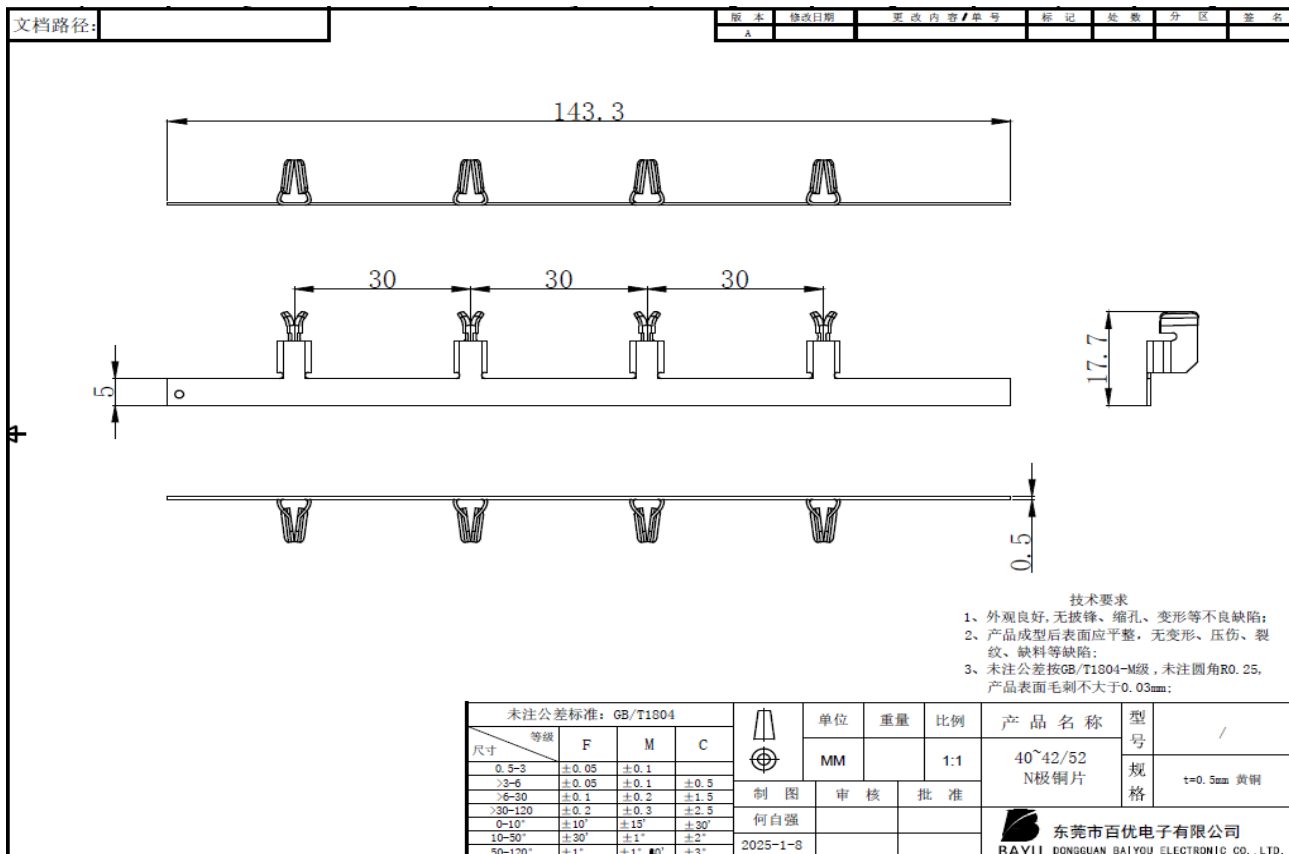
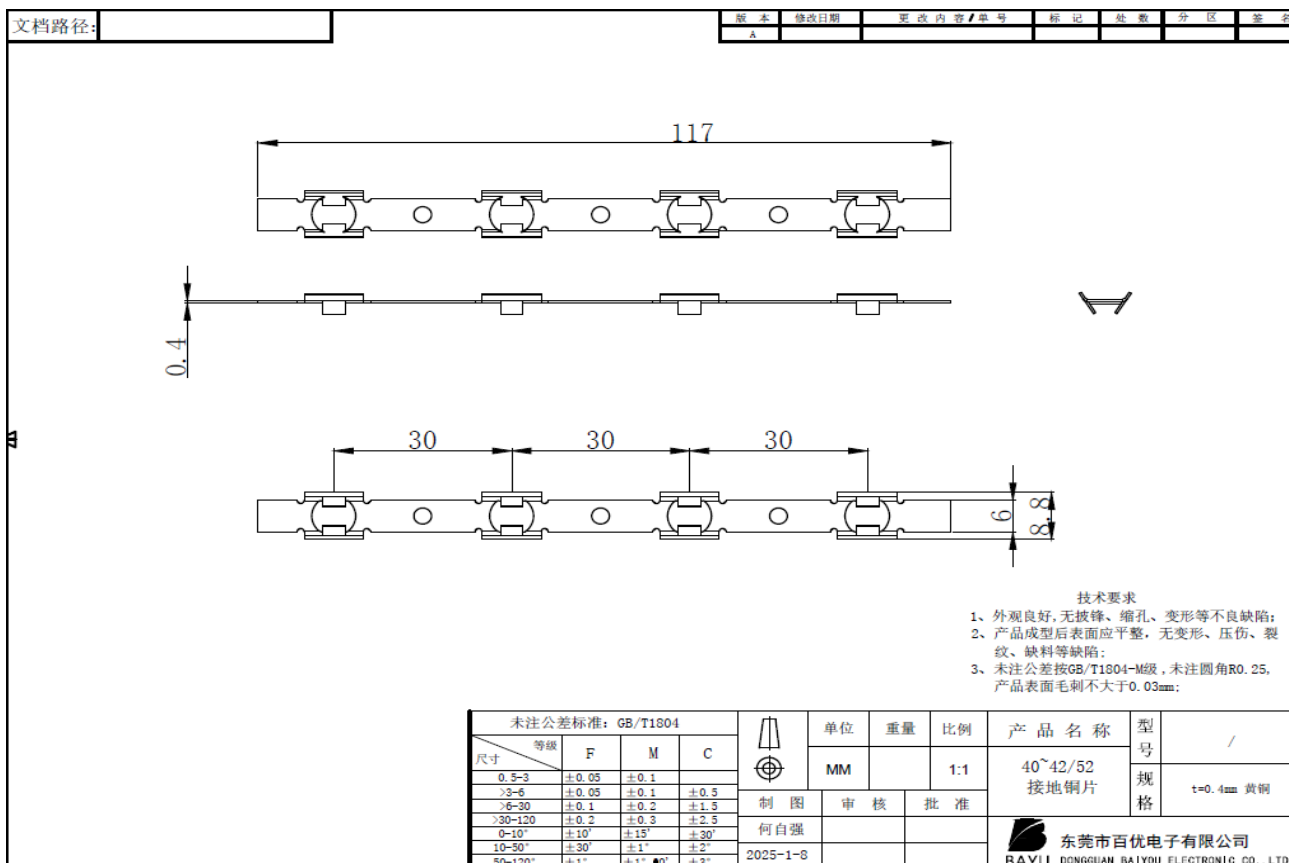


Illustration 77 - G current carrying copper sheet dimension of model BAYU-AQ04 series. (Unit: mm)



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Illustration 78 - L current carrying copper sheet dimension of model BAYU-AQ04 series. (Unit: mm)

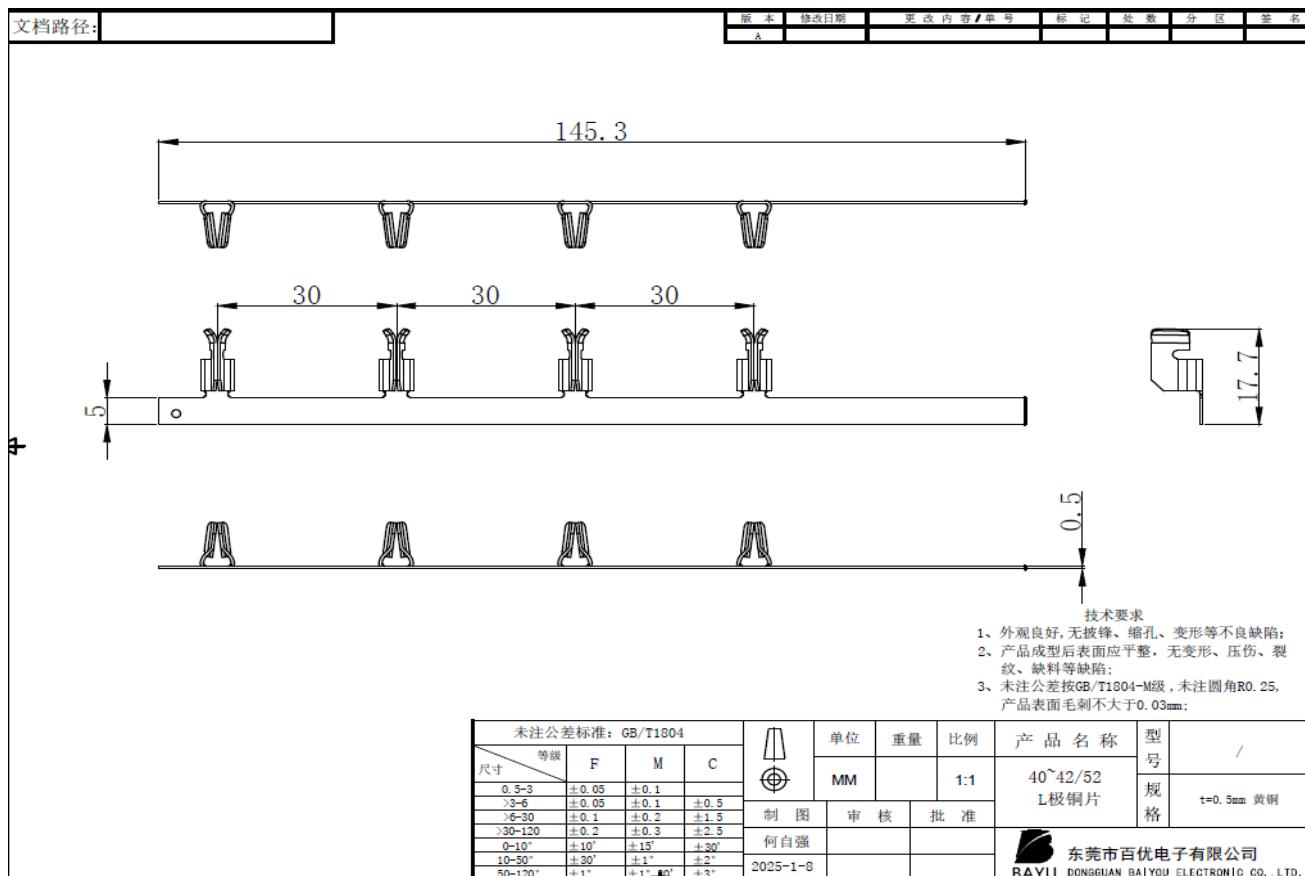
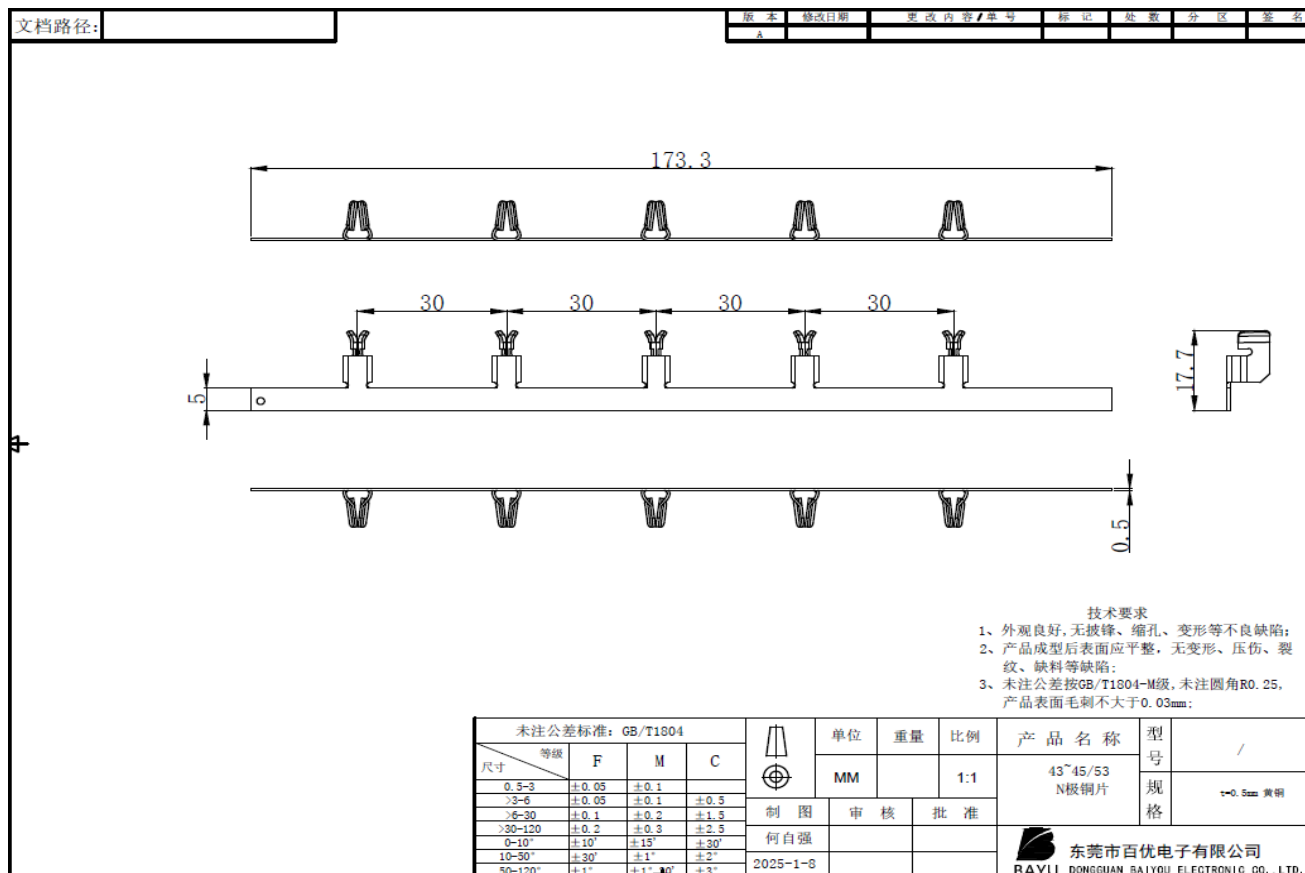


Illustration 79 - N current carrying copper sheet dimension of model BAYU-AQ05 series. (Unit: mm)



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Illustration 80 - G current carrying copper sheet dimension of model BAYU-AQ05 series. (Unit: mm)

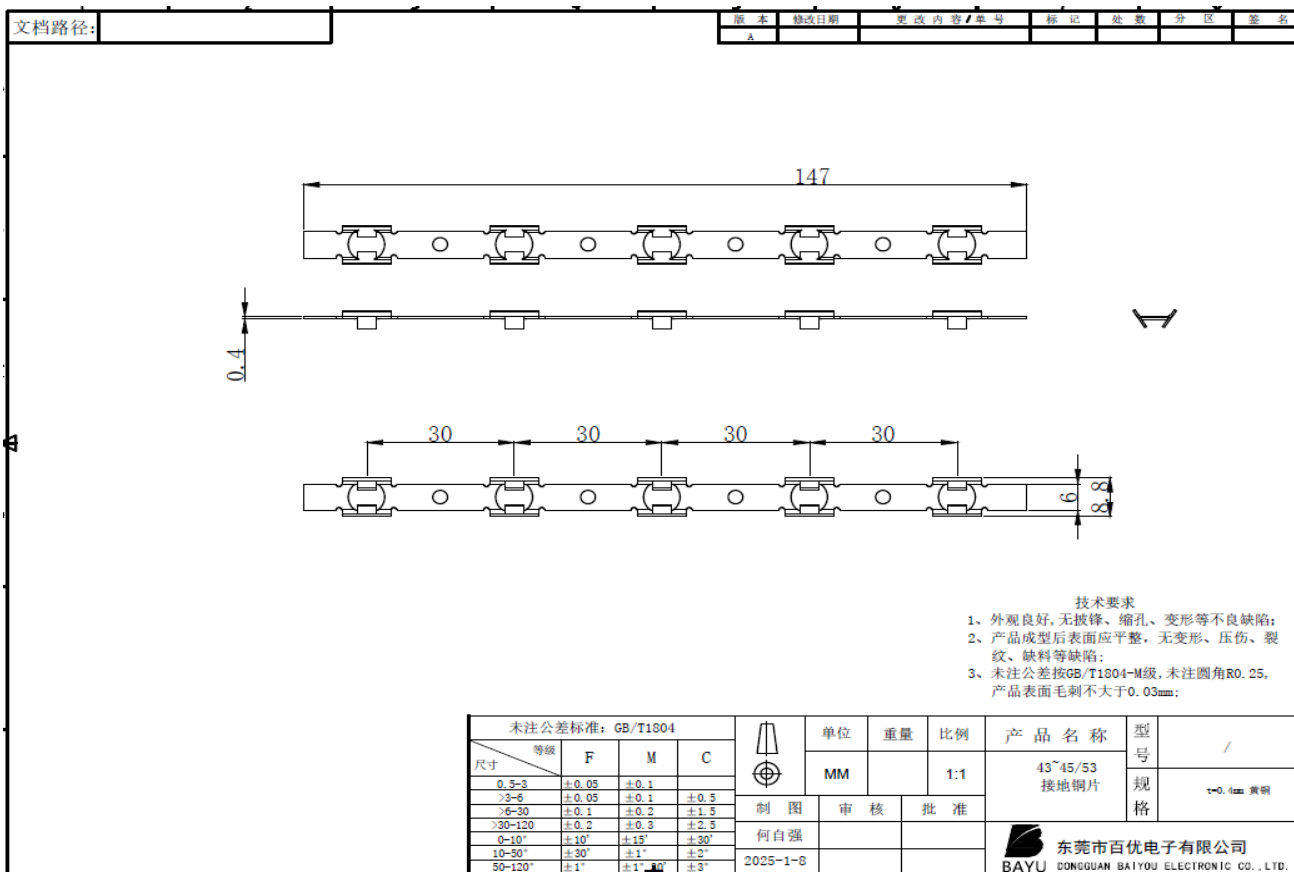
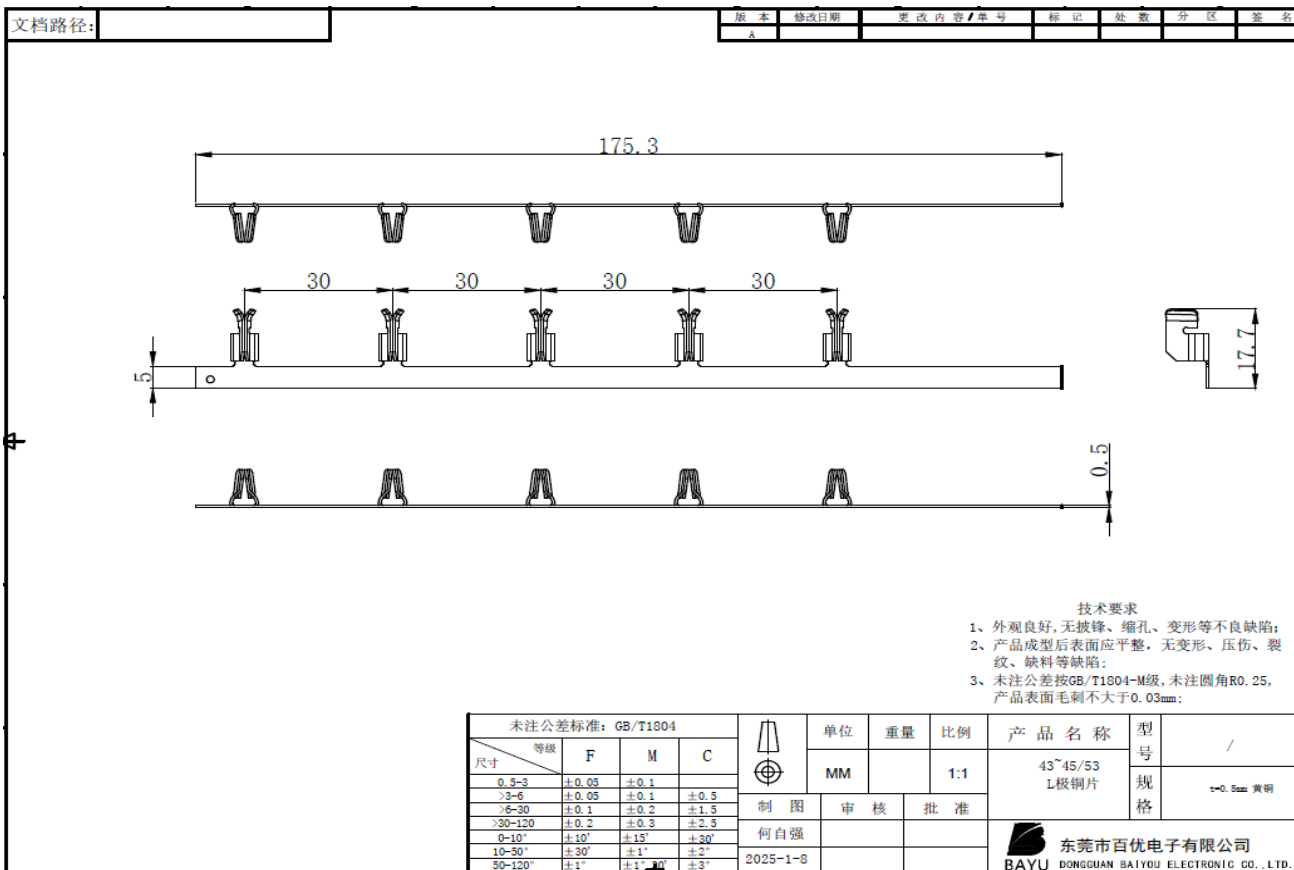


Illustration 81 - L current carrying copper sheet dimension of model BAYU-AQ05 series. (Unit: mm)



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Illustration 82 - N current carrying copper sheet dimension of model BAYU-AQ06 series. (Unit: mm)

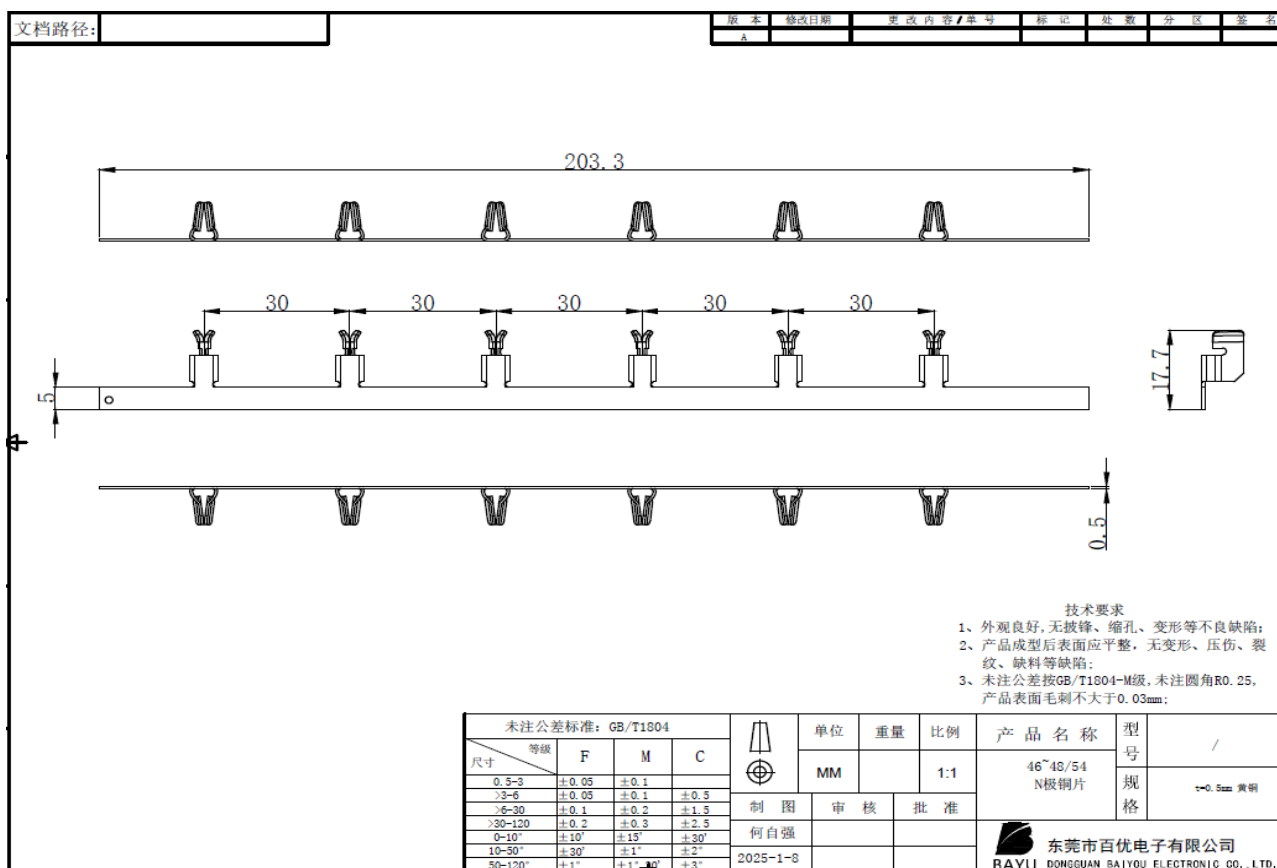
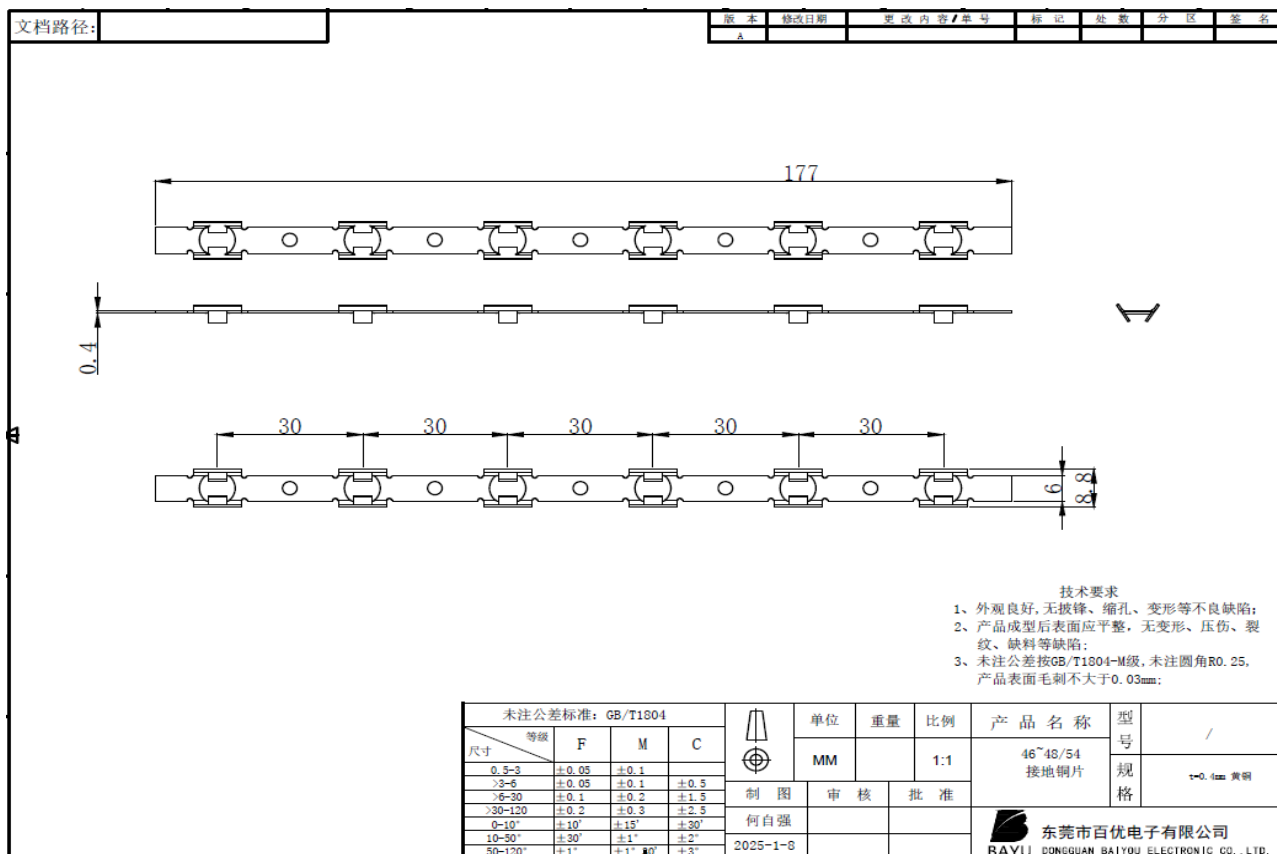


Illustration 83 - G current carrying copper sheet dimension of model BAYU-AQ06 series. (Unit: mm)



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Illustration 84 - L current carrying copper sheet dimension of model BAYU-AQ06 series. (Unit: mm)

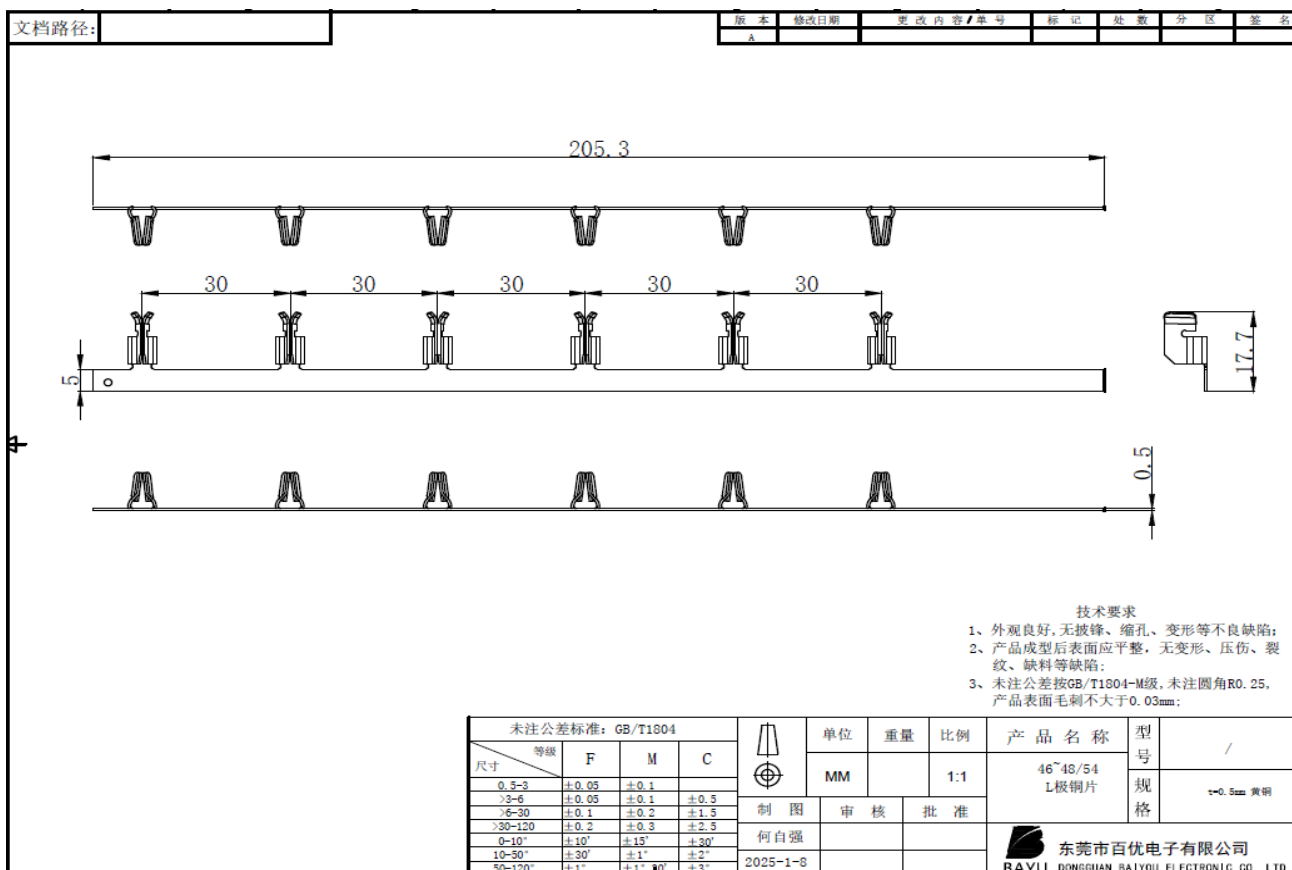
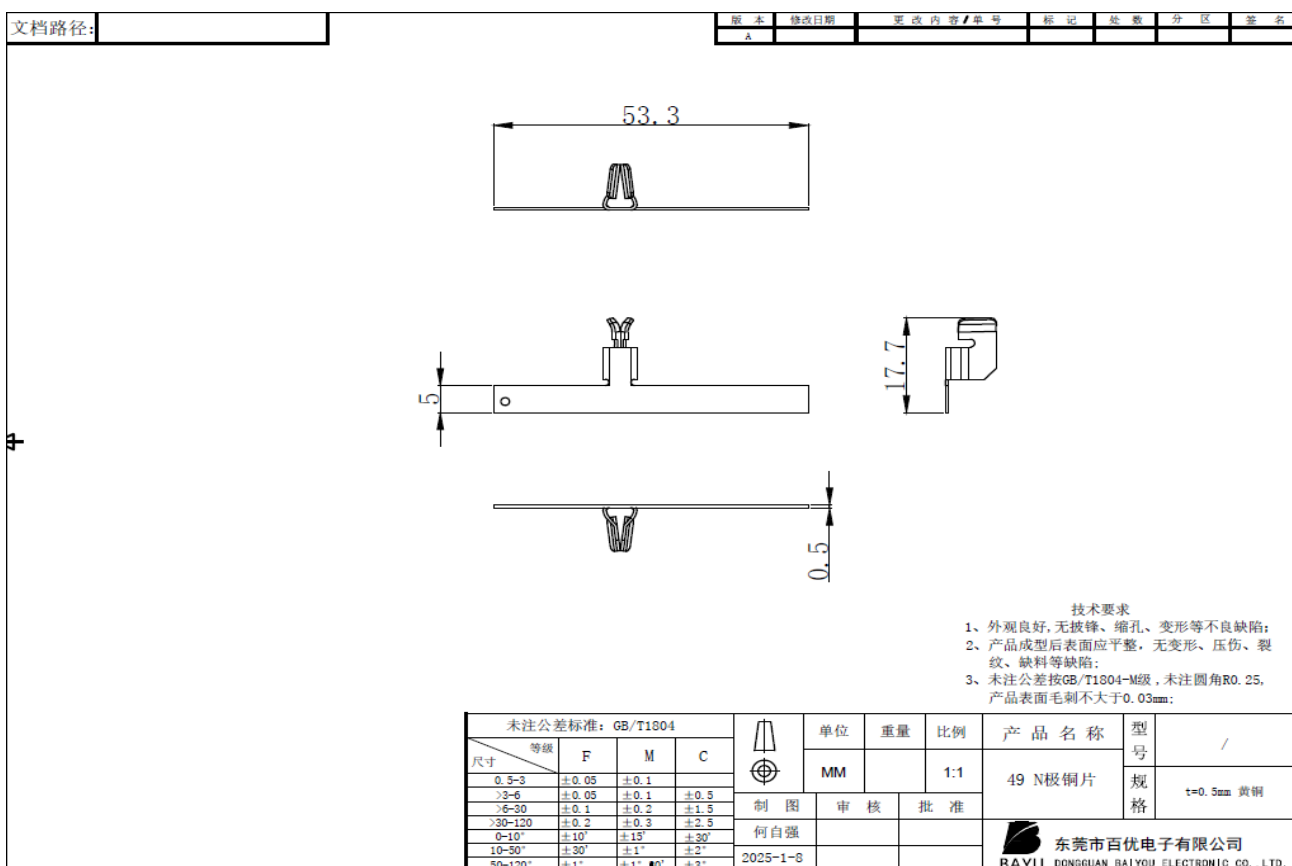


Illustration 85 - N current carrying copper sheet dimension of model BAYU-AQ01 series with OCP and without USB module. (Unit: mm)



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Illustration 86 - G current carrying copper sheet dimension of model BAYU-AQ01 series with OCP and without USB module. (Unit: mm)

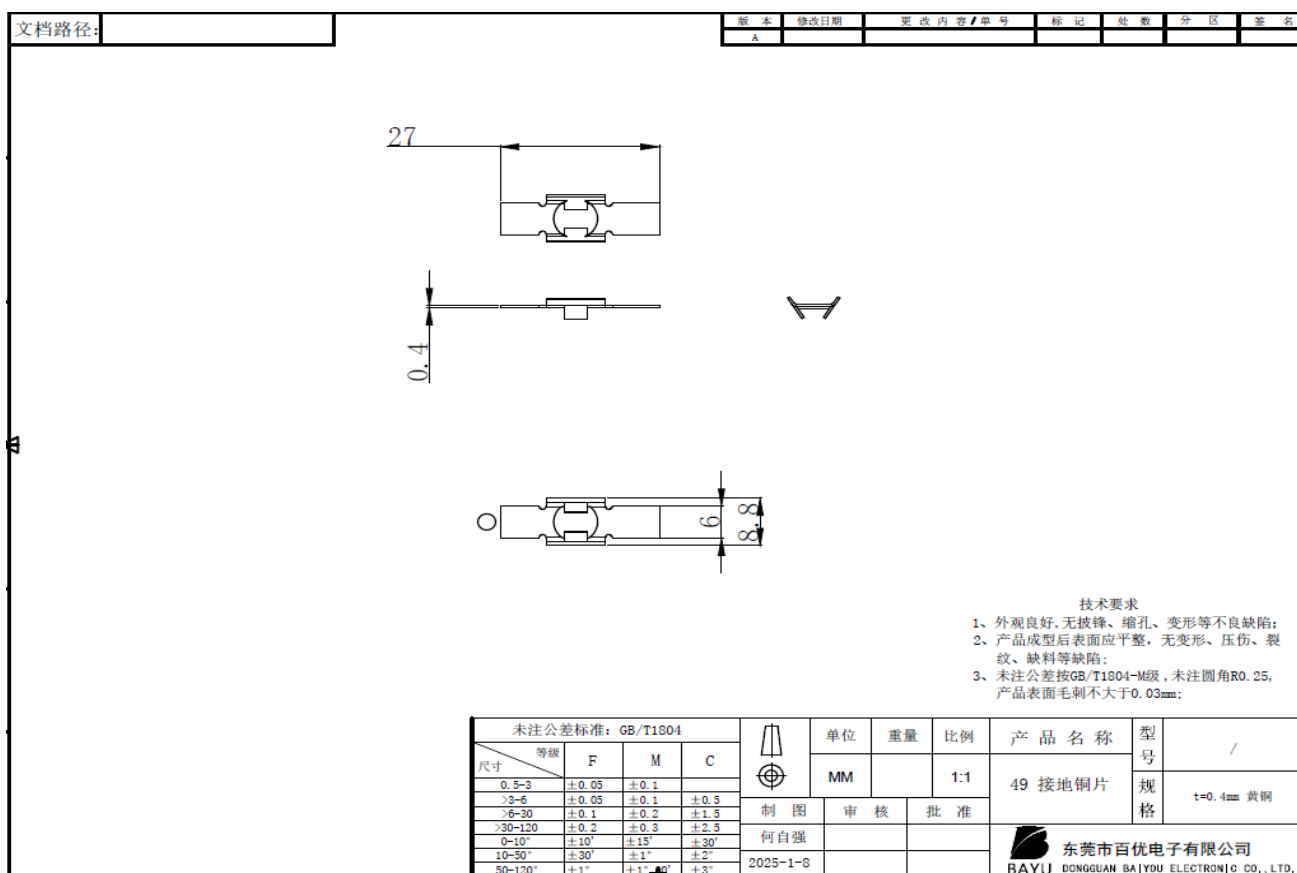
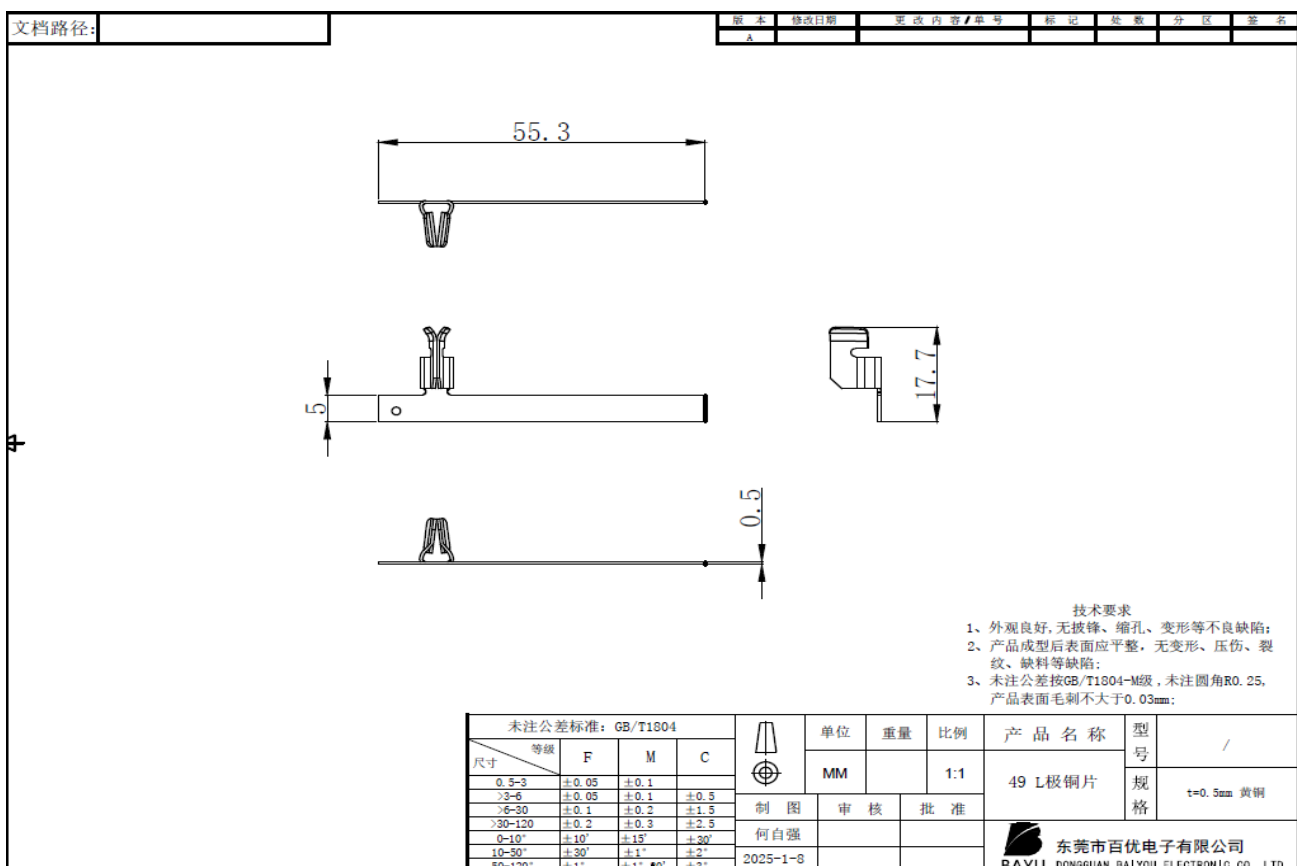


Illustration 87 - L current carrying copper sheet dimension of model BAYU-AQ01 series with OCP and without USB module. (Unit: mm)



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Illustration 88 - N current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and without USB module. (Unit: mm)

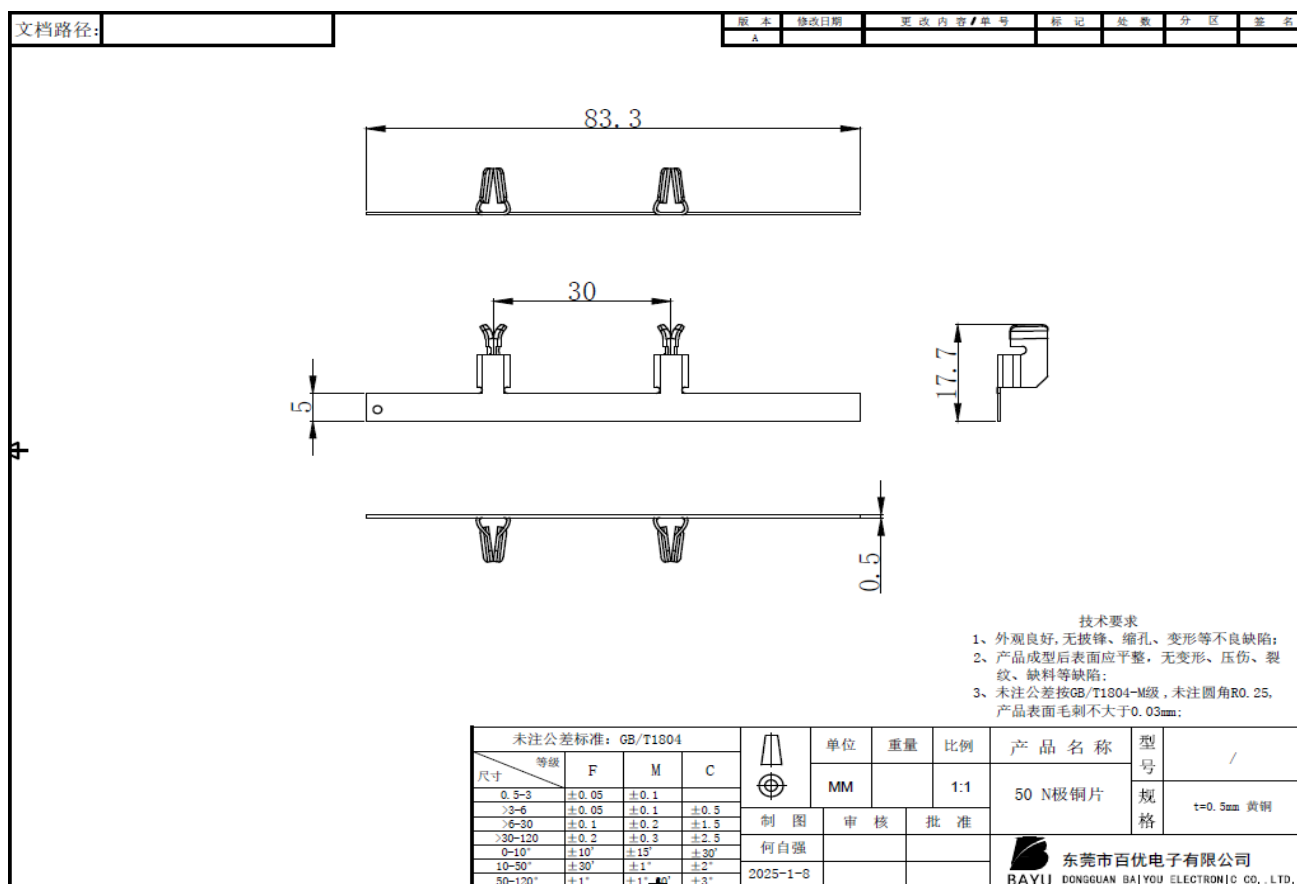
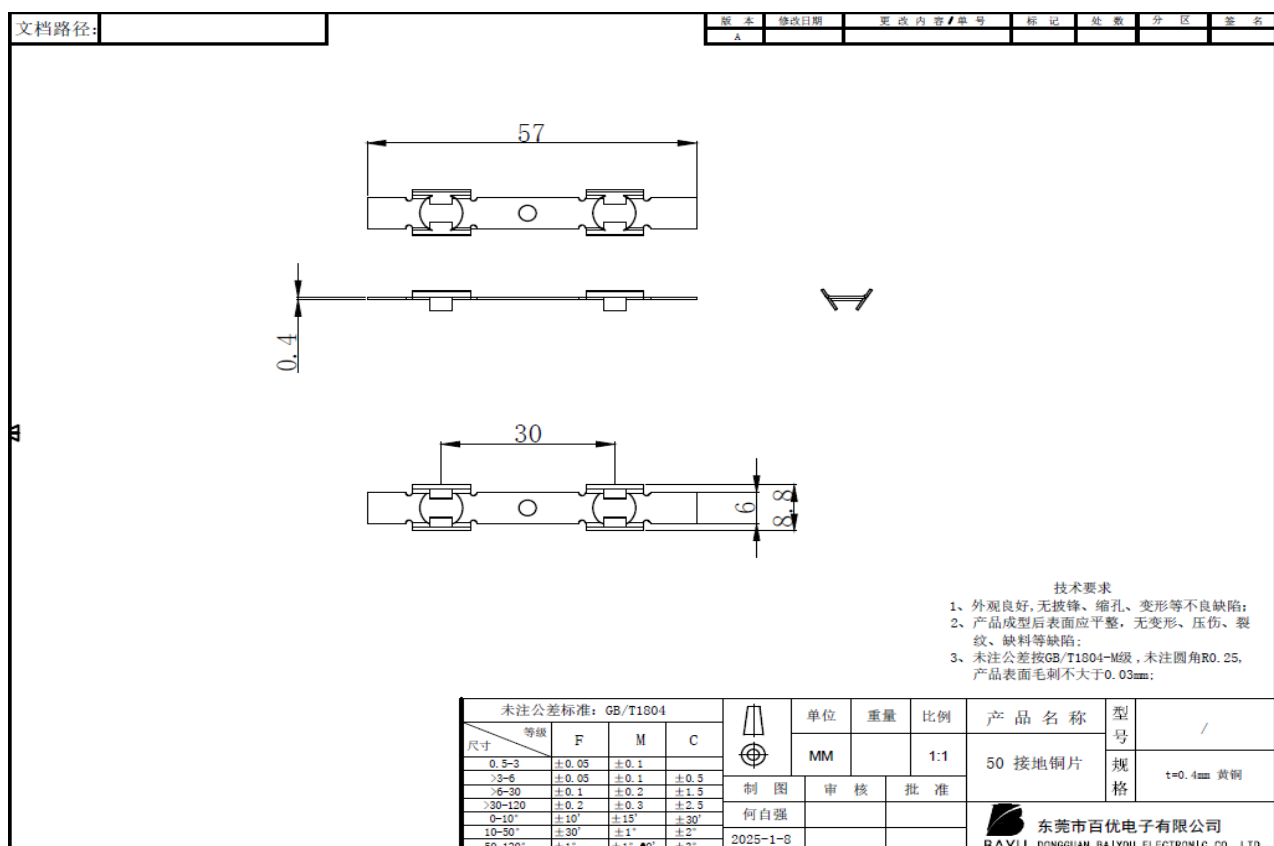


Illustration 89 - G current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and without USB module. (Unit: mm)



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Illustration 90 - L current carrying copper sheet dimension of model BAYU-AQ02 series with OCP and without USB module. (Unit: mm)

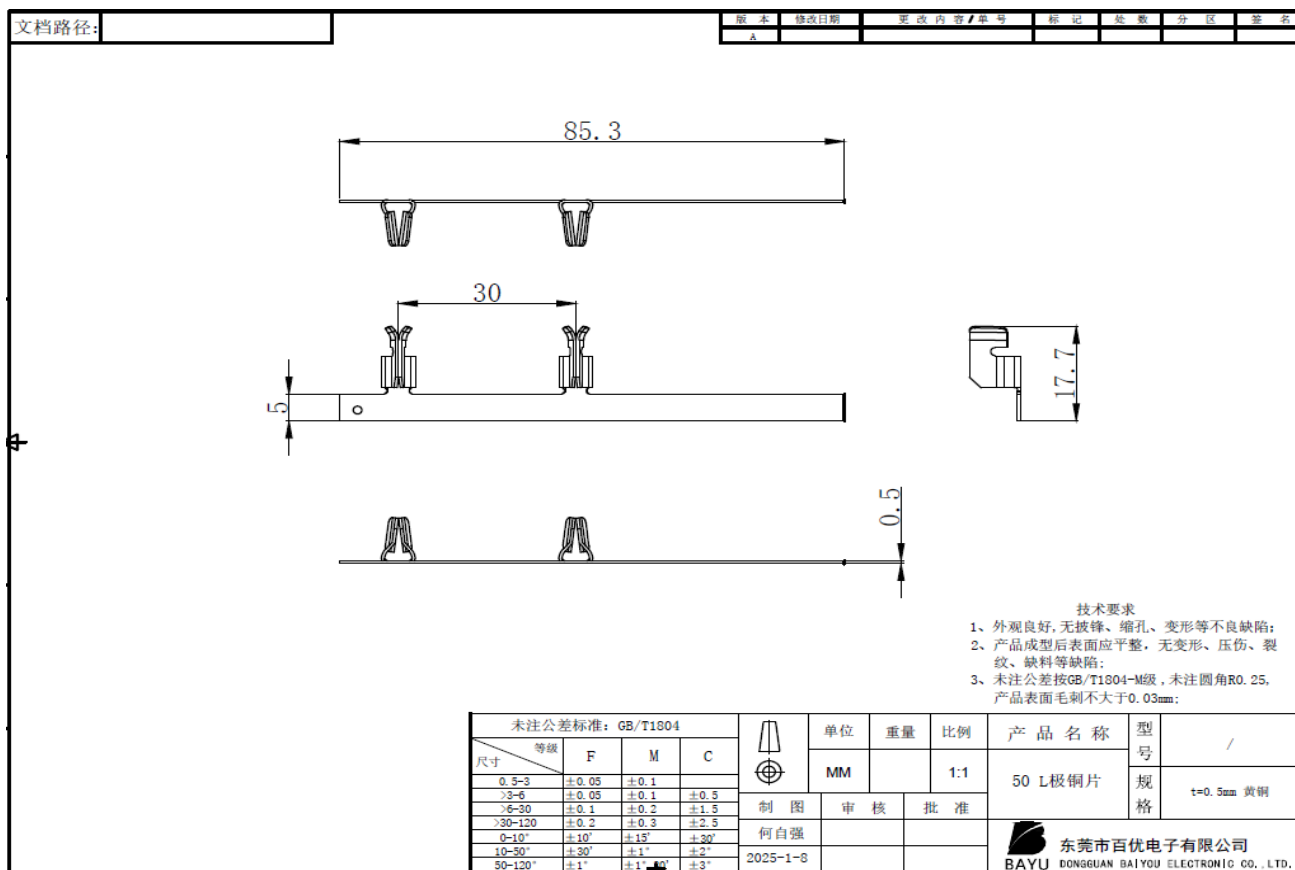
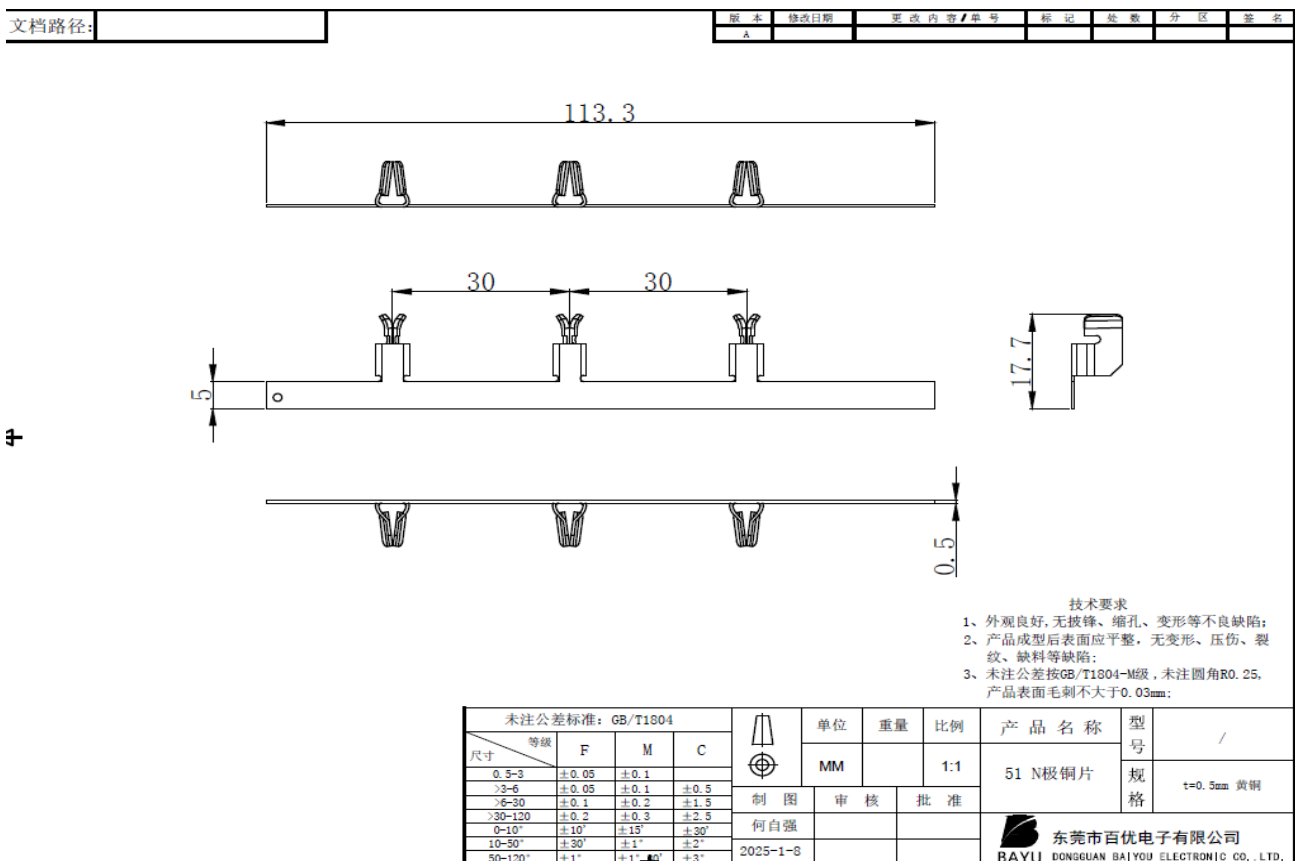


Illustration 91 - N current carrying copper sheet dimension of model BAYU-AQ03 series with OCP and without USB module. (Unit: mm)



7.0 Illustrations

Illustration 92 - G current carrying copper sheet dimension of model BAYU-AQ03 series with OCP and without USB module. (Unit: mm)

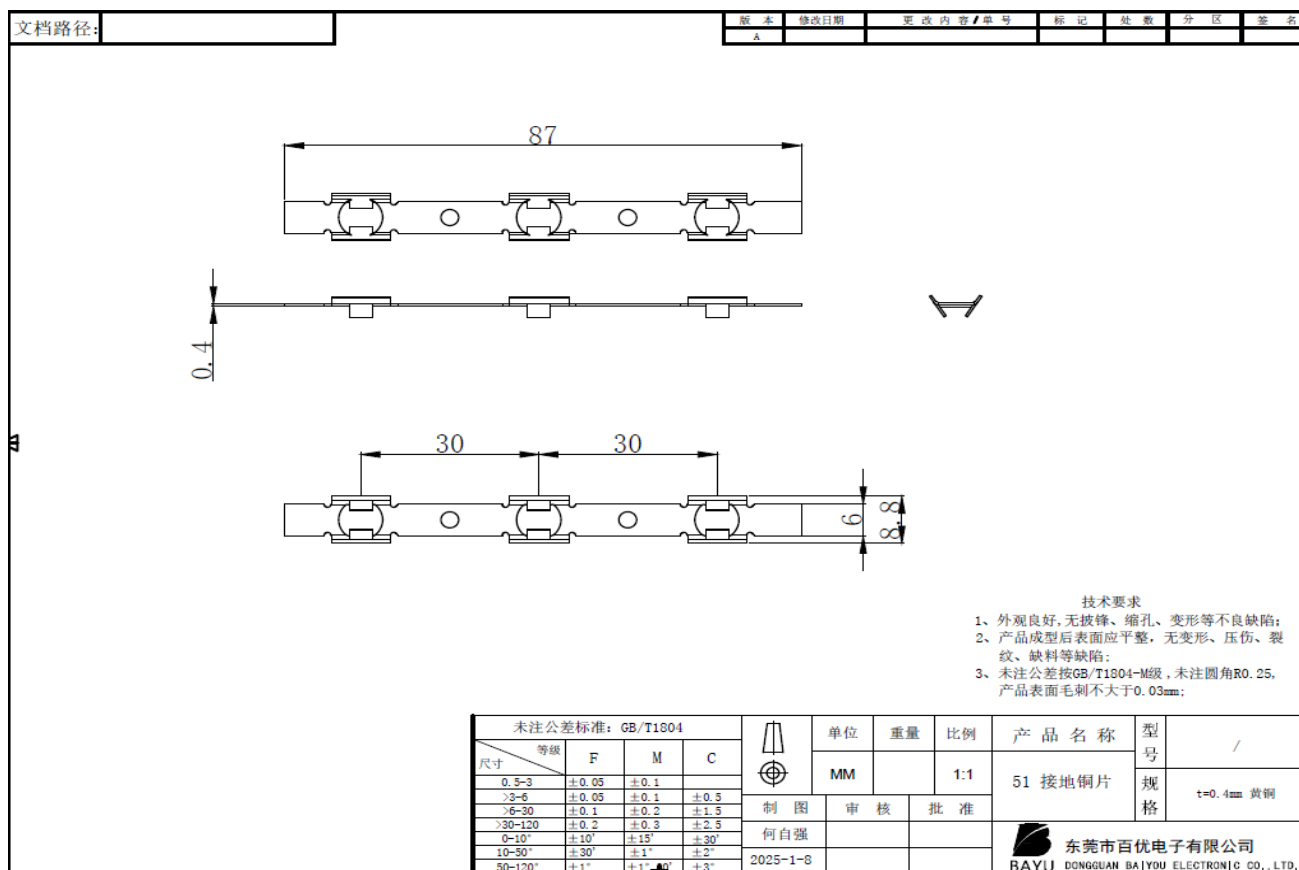
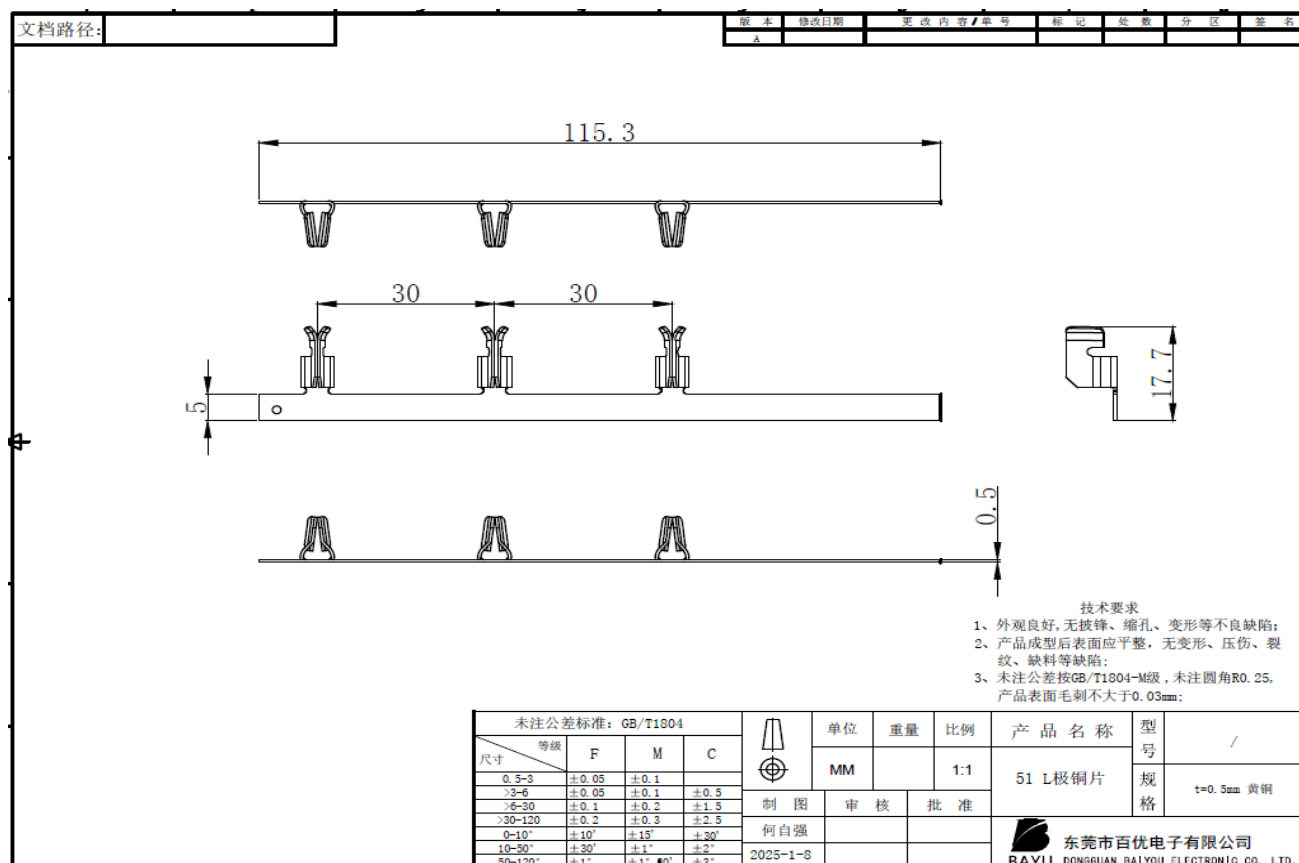


Illustration 93 - L current carrying copper sheet dimension of model BAYU-AQ03 series with OCP and without USB module. (Unit: mm)



7.0 Illustrations

Illustration 94 - N current carrying copper sheet dimension of model BAYU-AS02 series with USB module and without OCP. (Unit: mm)

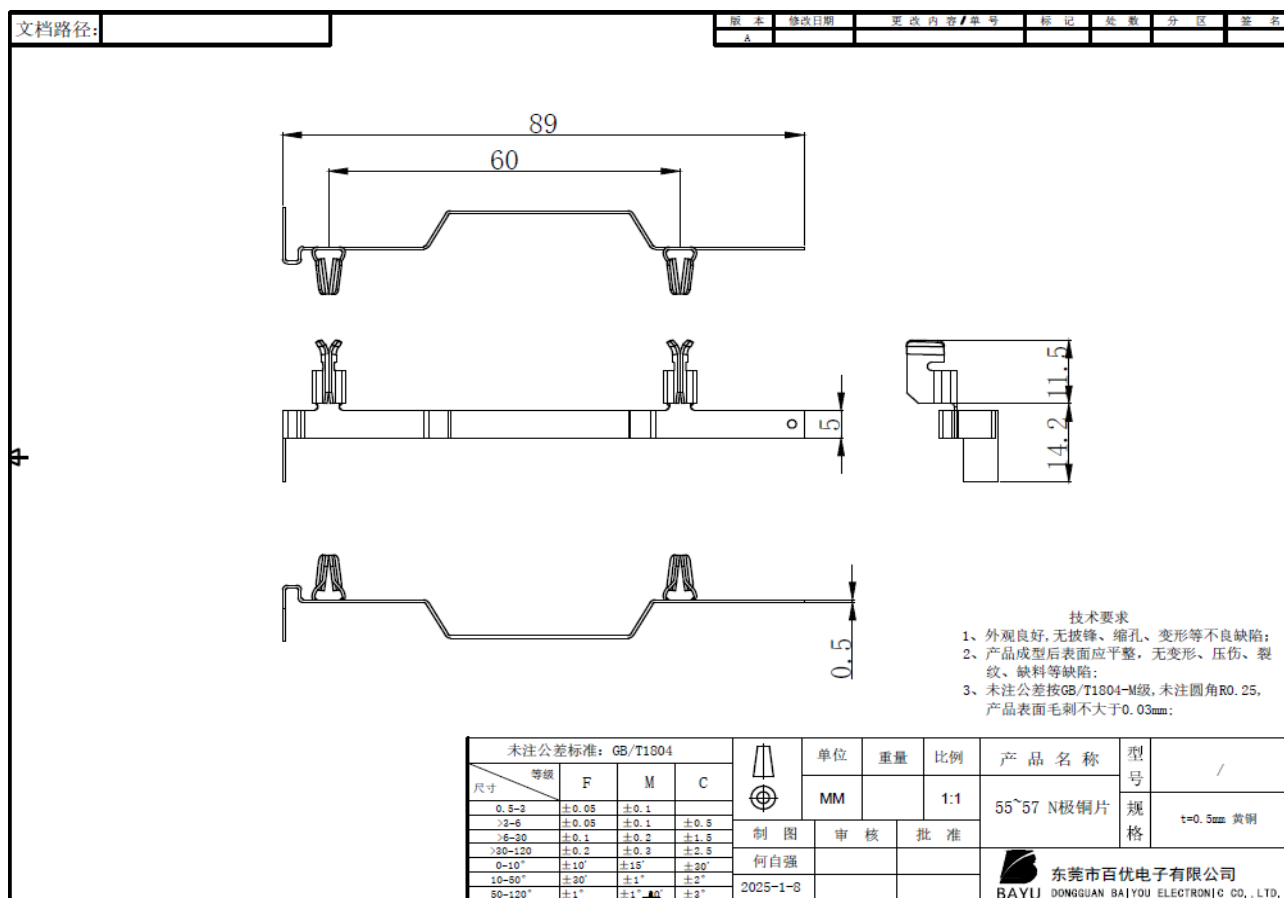
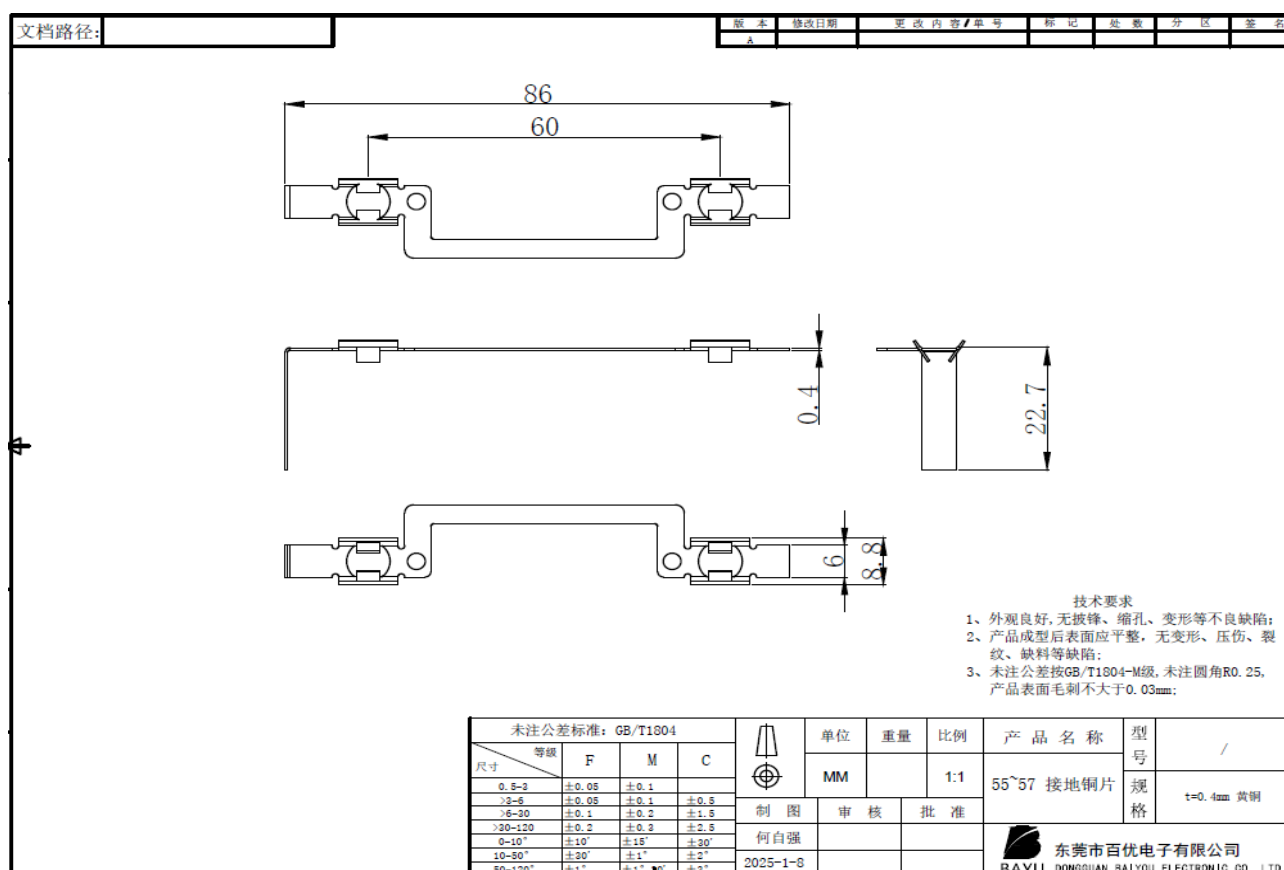


Illustration 95 - G current carrying copper sheet dimension of model BAYU-AS02 series with USB module and without OCP. (Unit: mm)



7.0 Illustrations

Illustration 96 - L current carrying copper sheet dimension of model BAYU-AS02 series with USB module and without OCP. (Unit: mm)

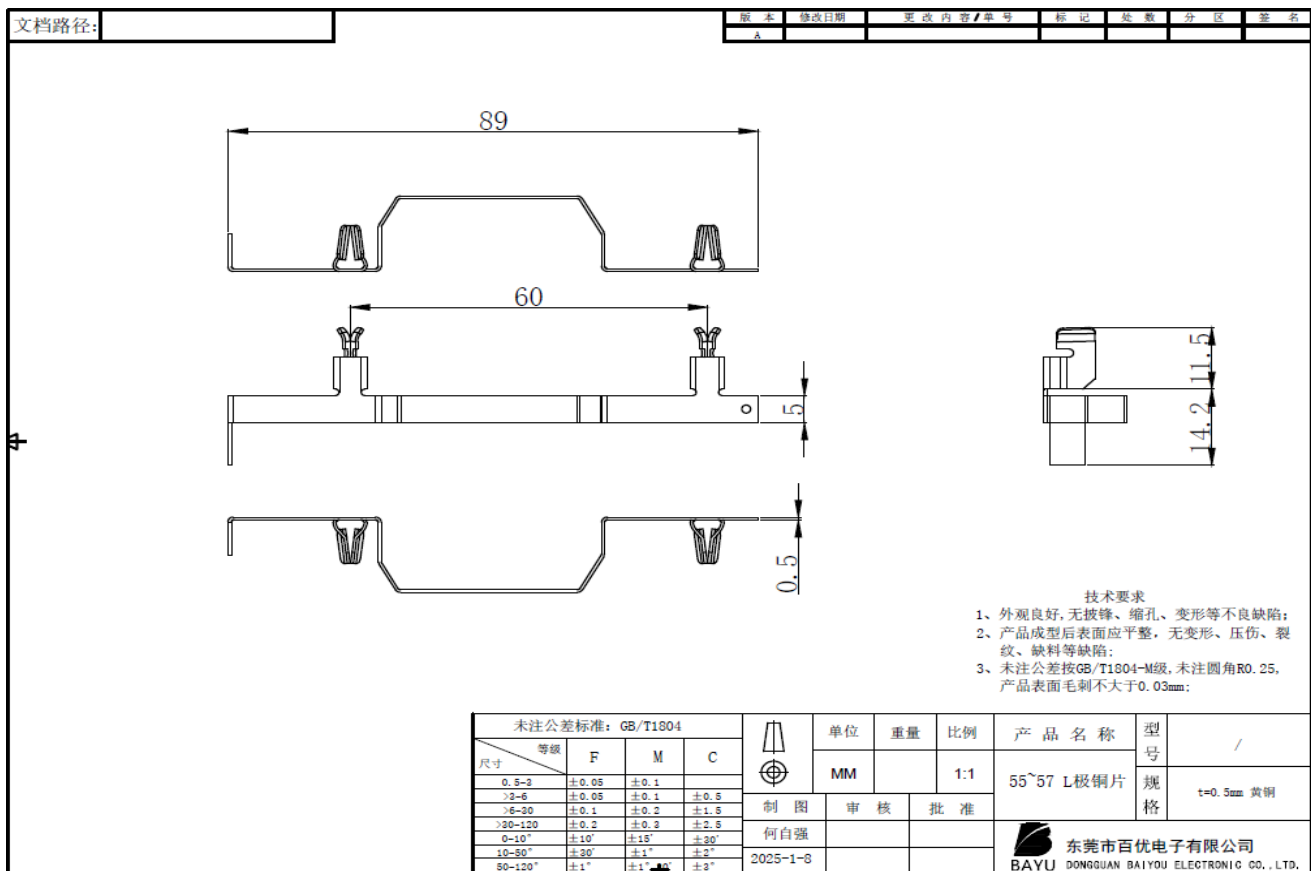
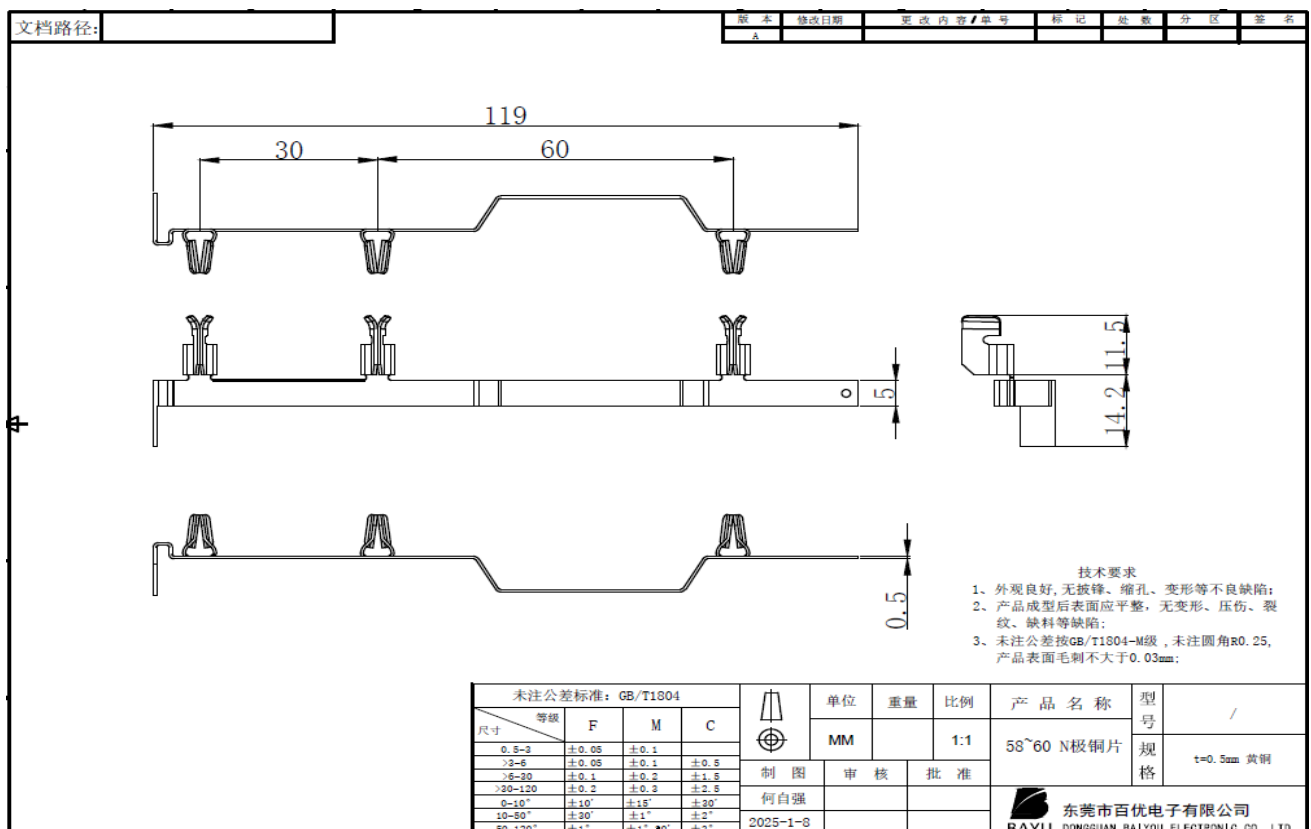


Illustration 97 - N current carrying copper sheet dimension of model BAYU-AS03 series with USB module and without OCP. (Unit: mm)



7.0 Illustrations

Illustration 98 - G current carrying copper sheet dimension of model BAYU-AS03 series with USB module and without OCP. (Unit: mm)

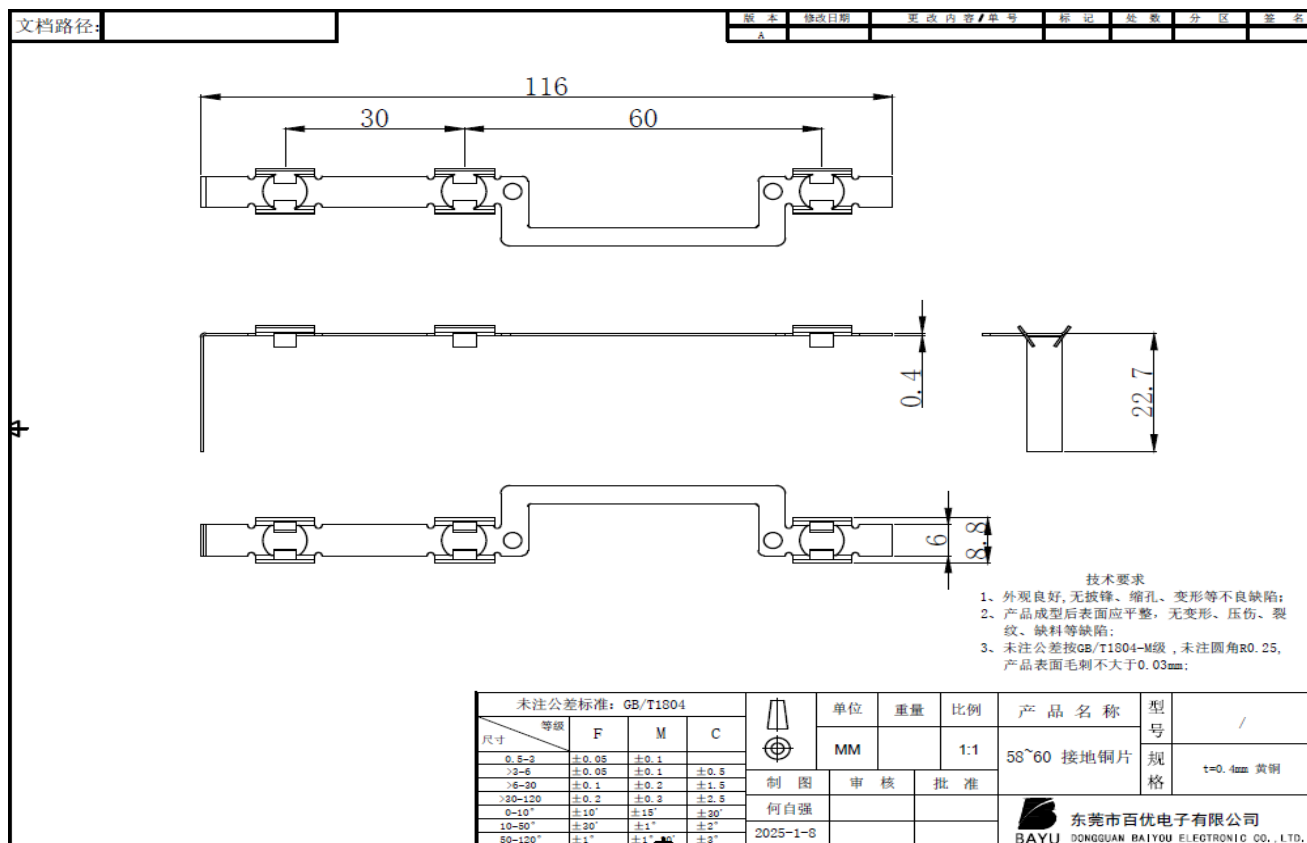
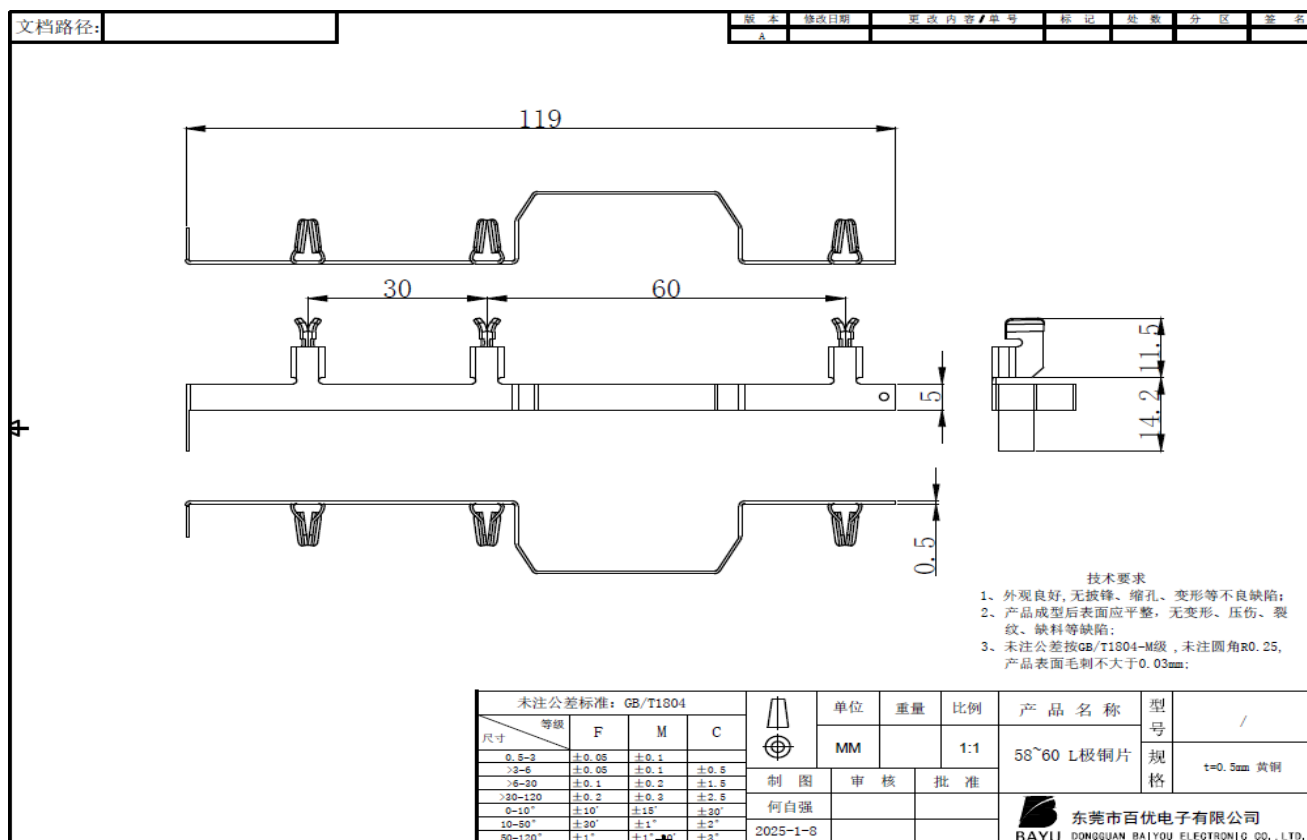


Illustration 99 - L current carrying copper sheet dimension of model BAYU-AS03 series with USB module and without OCP. (Unit: mm)



7.0 Illustrations

Illustration 100 - N current carrying copper sheet dimension of model BAYU-AS03 series with USB module and OCP. (Unit: mm)

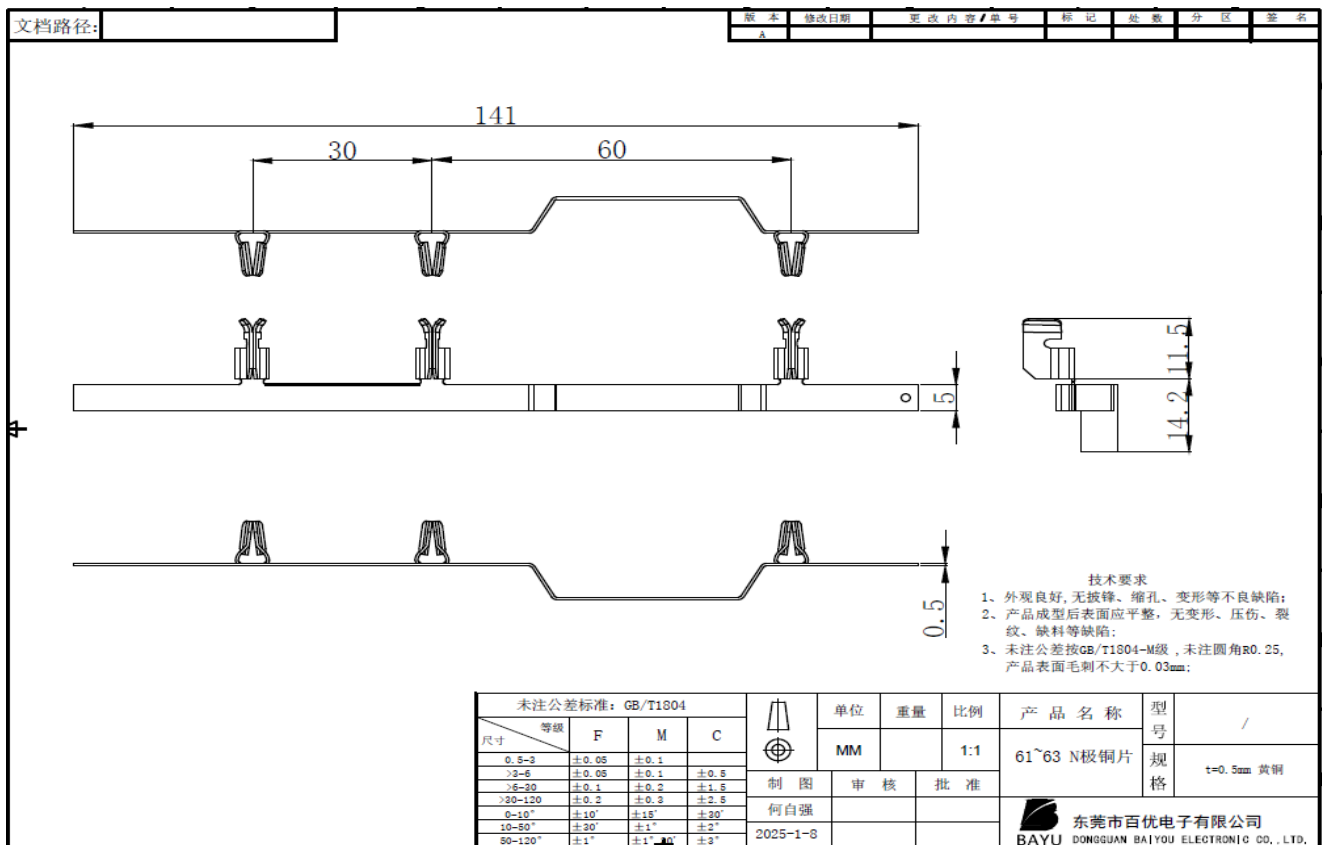
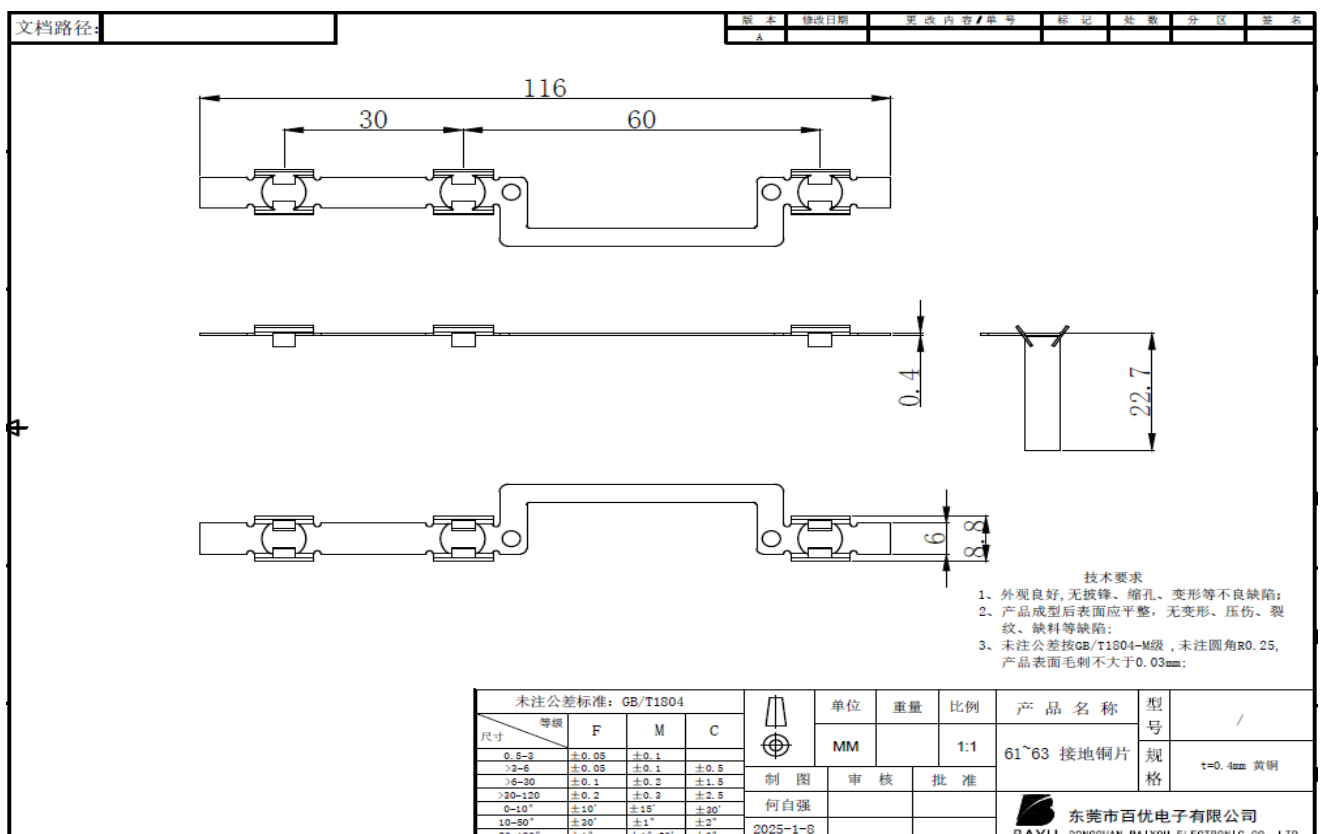
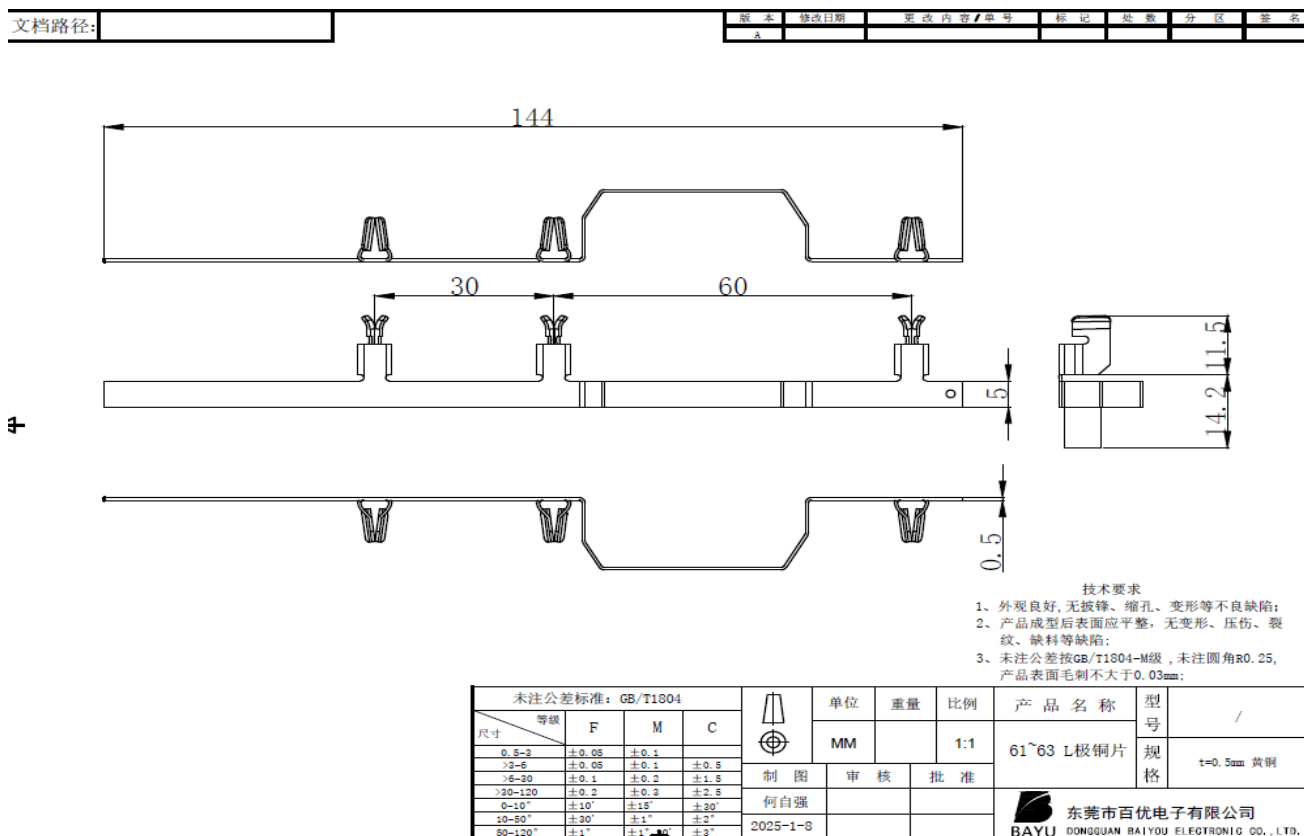


Illustration 101 - G current carrying copper sheet dimension of model BAYU-AS03 series with USB module and OCP. (Unit: mm)



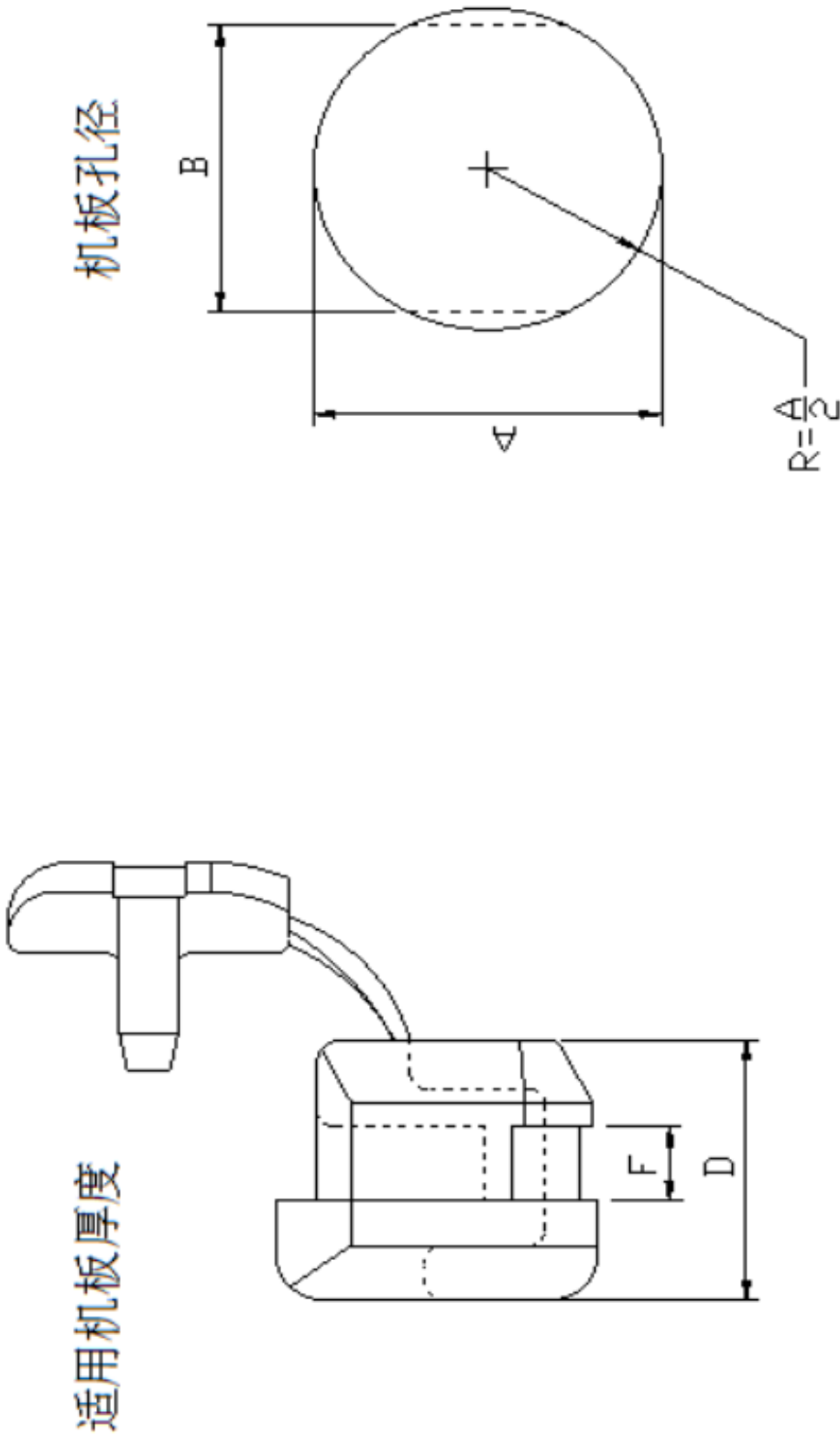
7.0 Illustrations

Illustration 102 - L current carrying copper sheet dimension of model BAYU-AS03 series with USB module and OCP. (Unit: mm)



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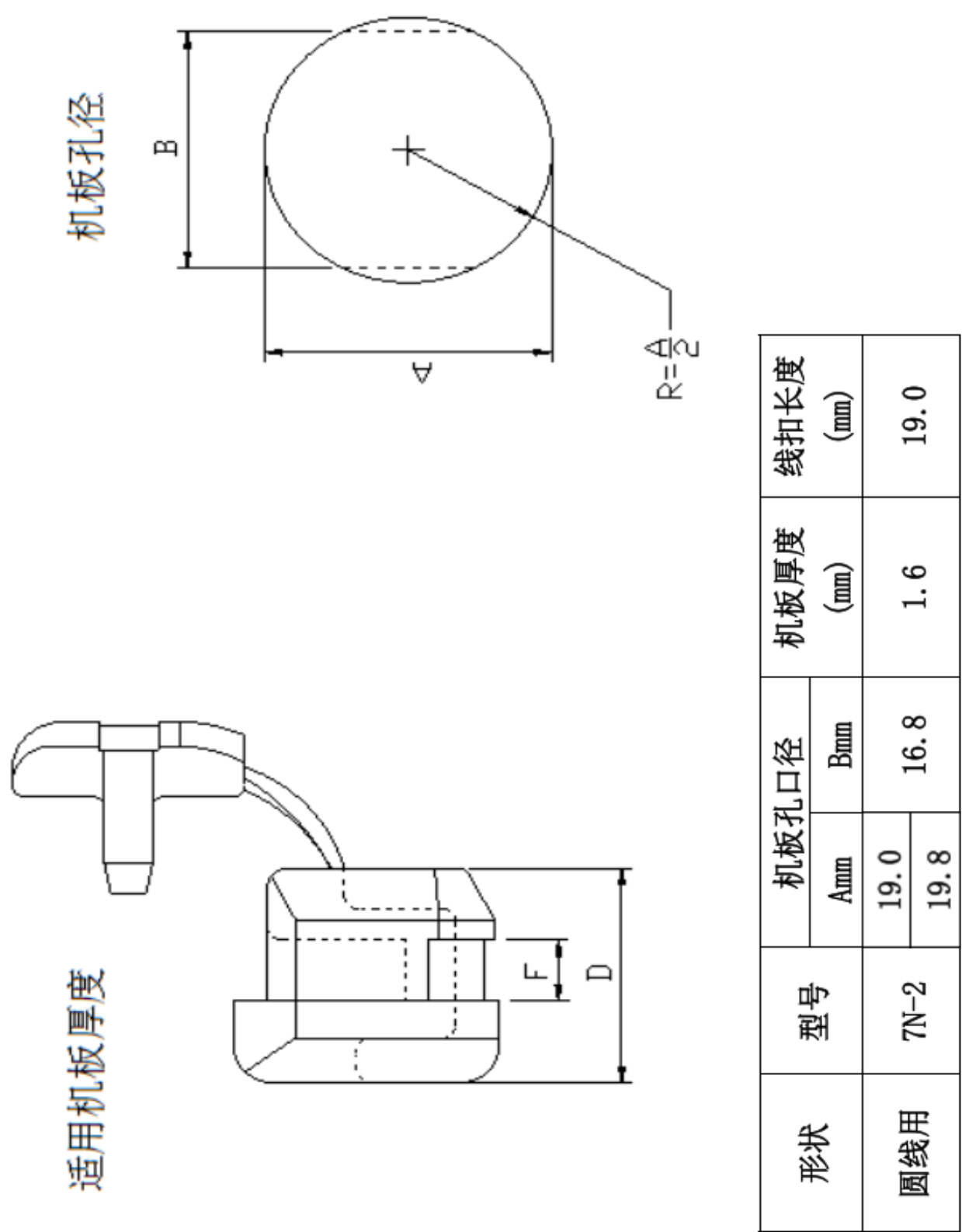
Illustration 103 - Strain relief dimension for 16 AWG cord. (Unit: mm, Tolerance: ± 0.4mm)



形状	型号	机板孔口径		机板厚度 (mm)	线扣长度 (mm)
		Amm	Bmm		
圆线用	6N-4	15.9	14.0	1.6	14.8

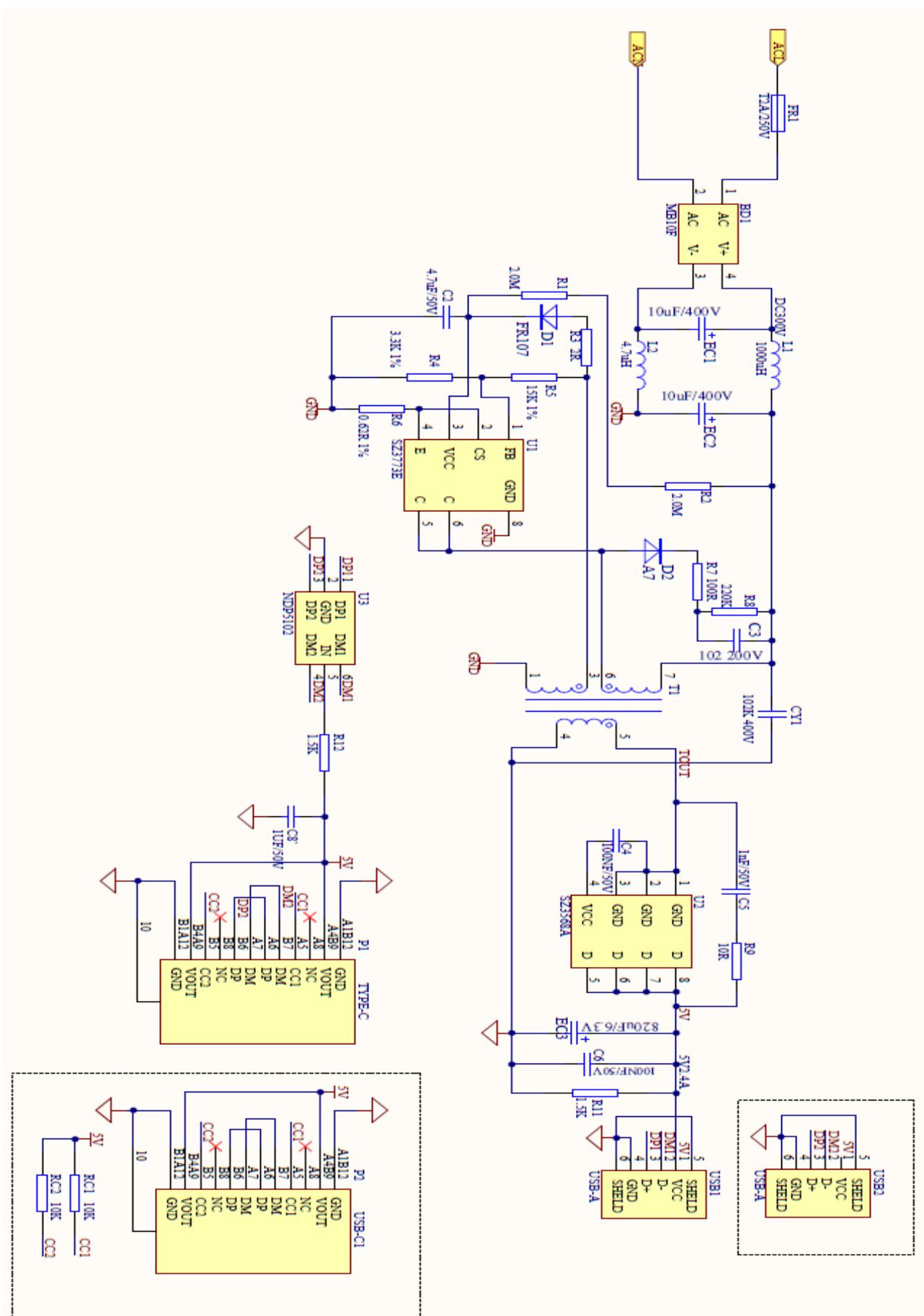
7.0 Illustrations

Illustration 104 - Strain relief dimension for 14 AWG cord. (Unit: mm, Tolerance: ± 0.4mm)



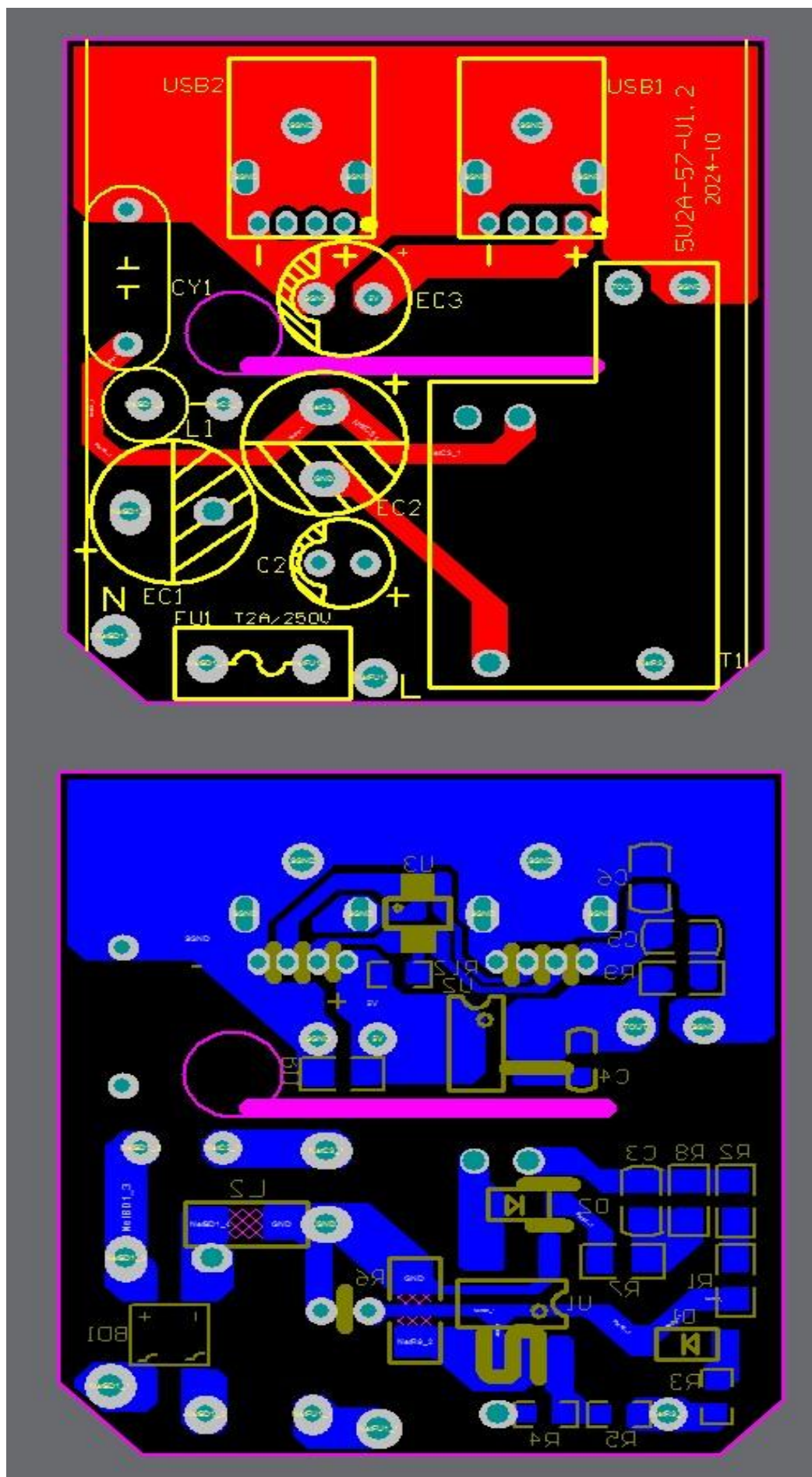
7.0 Illustrations

Illustration 105 - Circuit diagram of USB module 1, 2, 3, 4, 9 and 10.



7.0 Illustrations

Illustration 106 - PCB layout of USB module 1 (2A).



7.0 Illustrations

Illustration 107 - PCB layout of USB module 2 (2A).

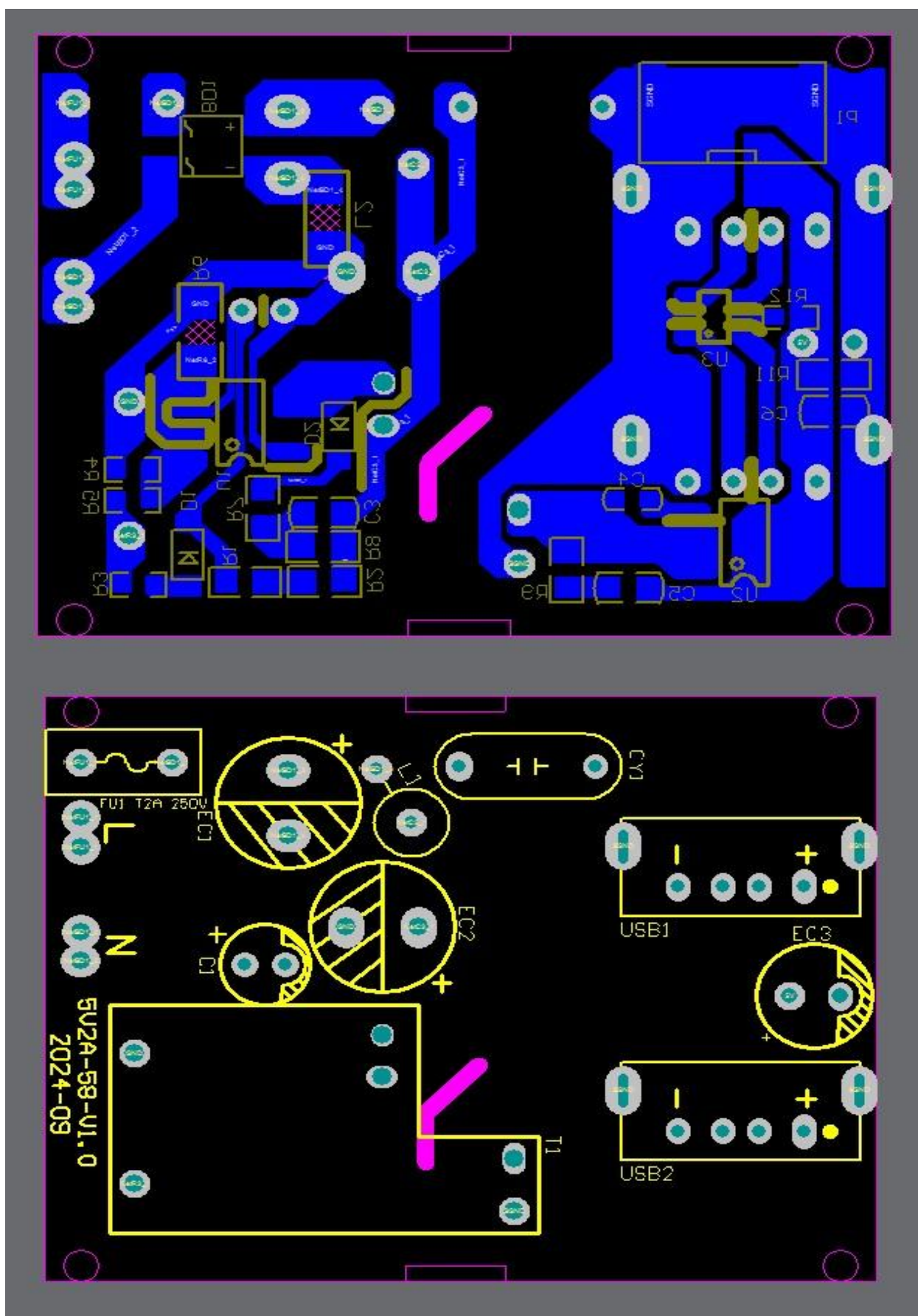


Illustration 108 - PCB layout of USB module 3 (1A1C).

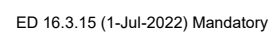
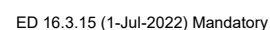
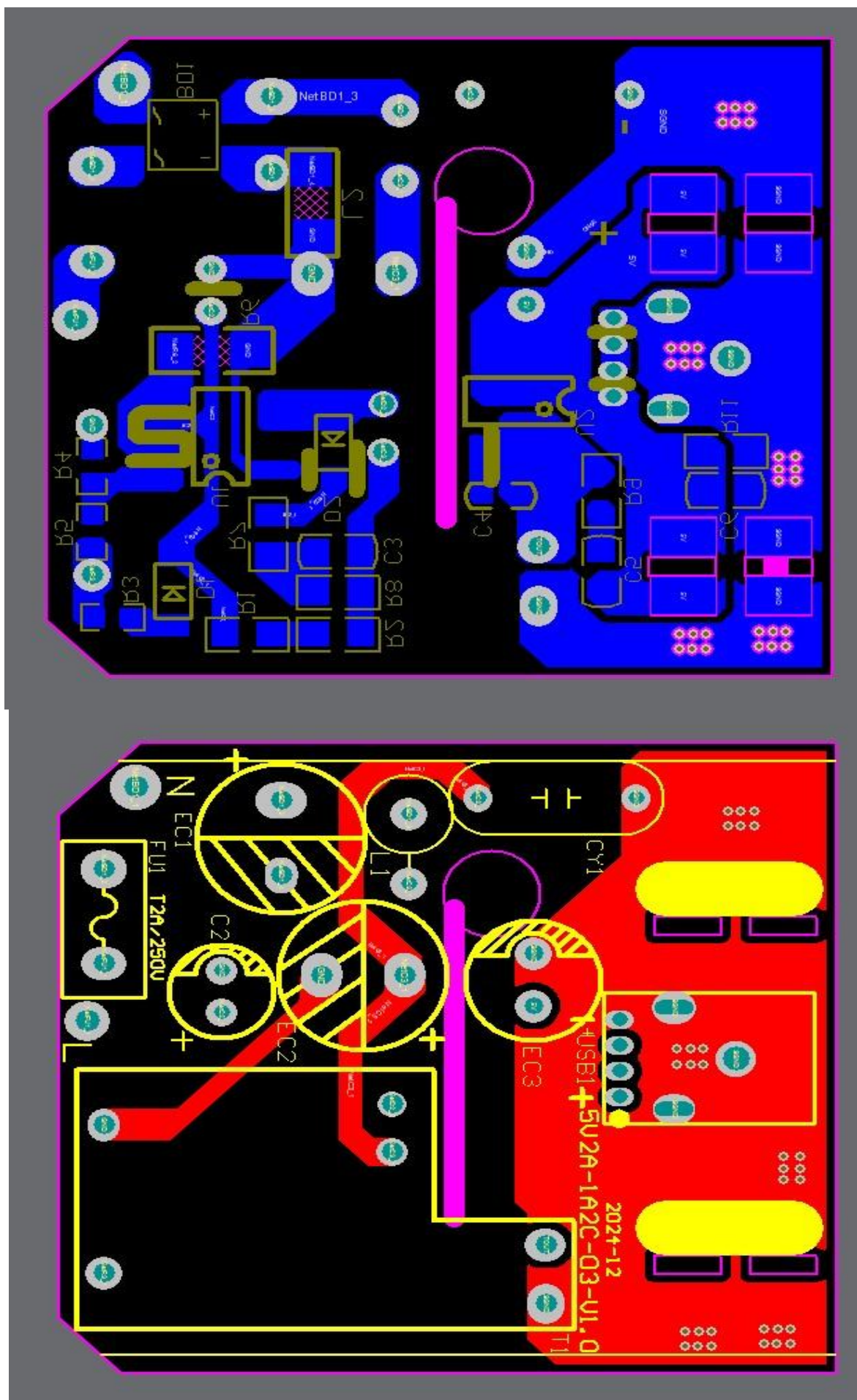


Illustration 109 - PCB layout of USB module 4 (1A1C).



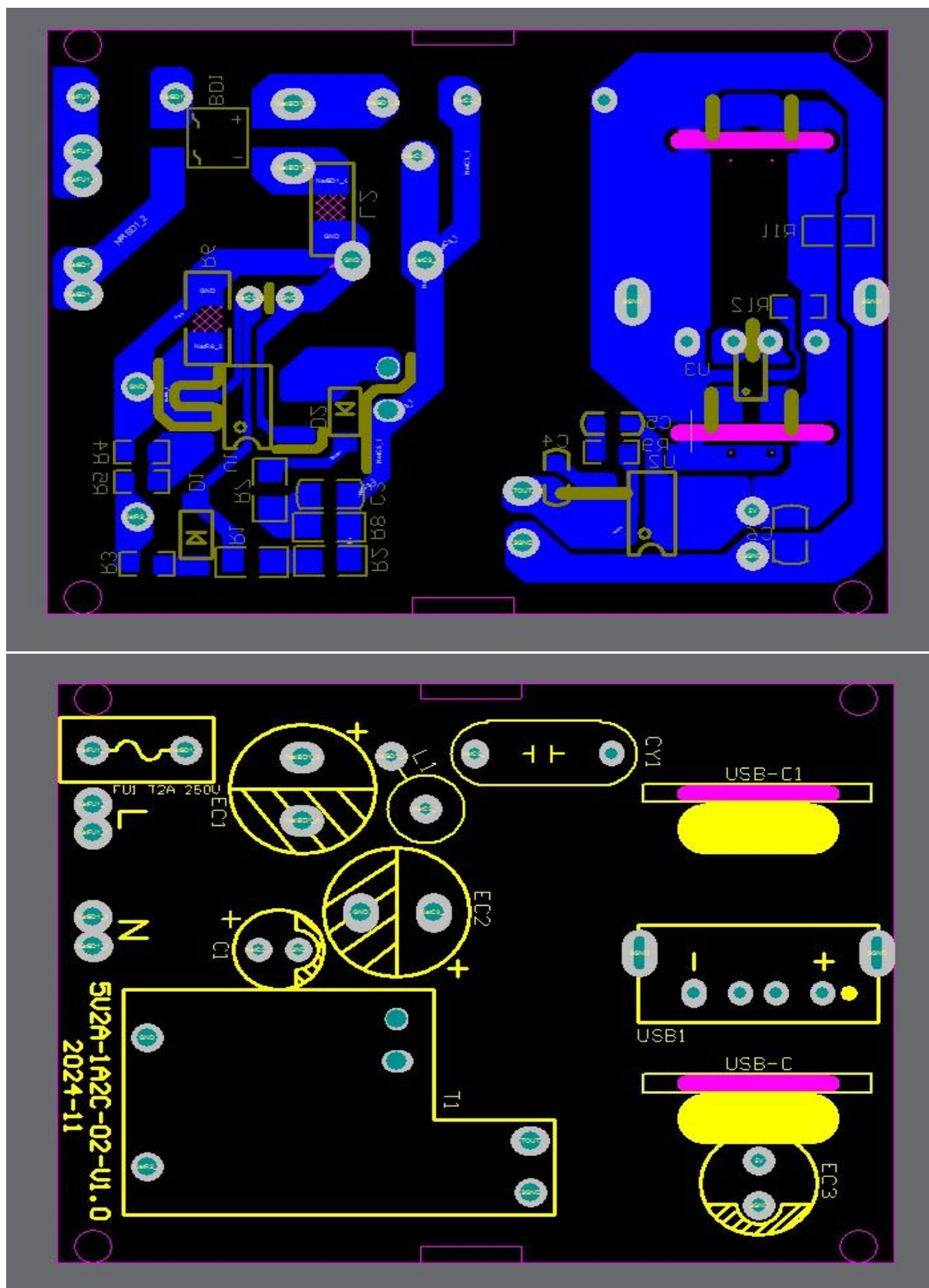
7.0 Illustrations

Illustration 110 - PCB layout of USB module 9 (1A2C).



7.0 Illustrations

Illustration 111 - PCB layout of USB module 10 (1A2C).



7.0 Illustrations

Illustration 112 -Transformer specification of model EF1510-1.05mH.

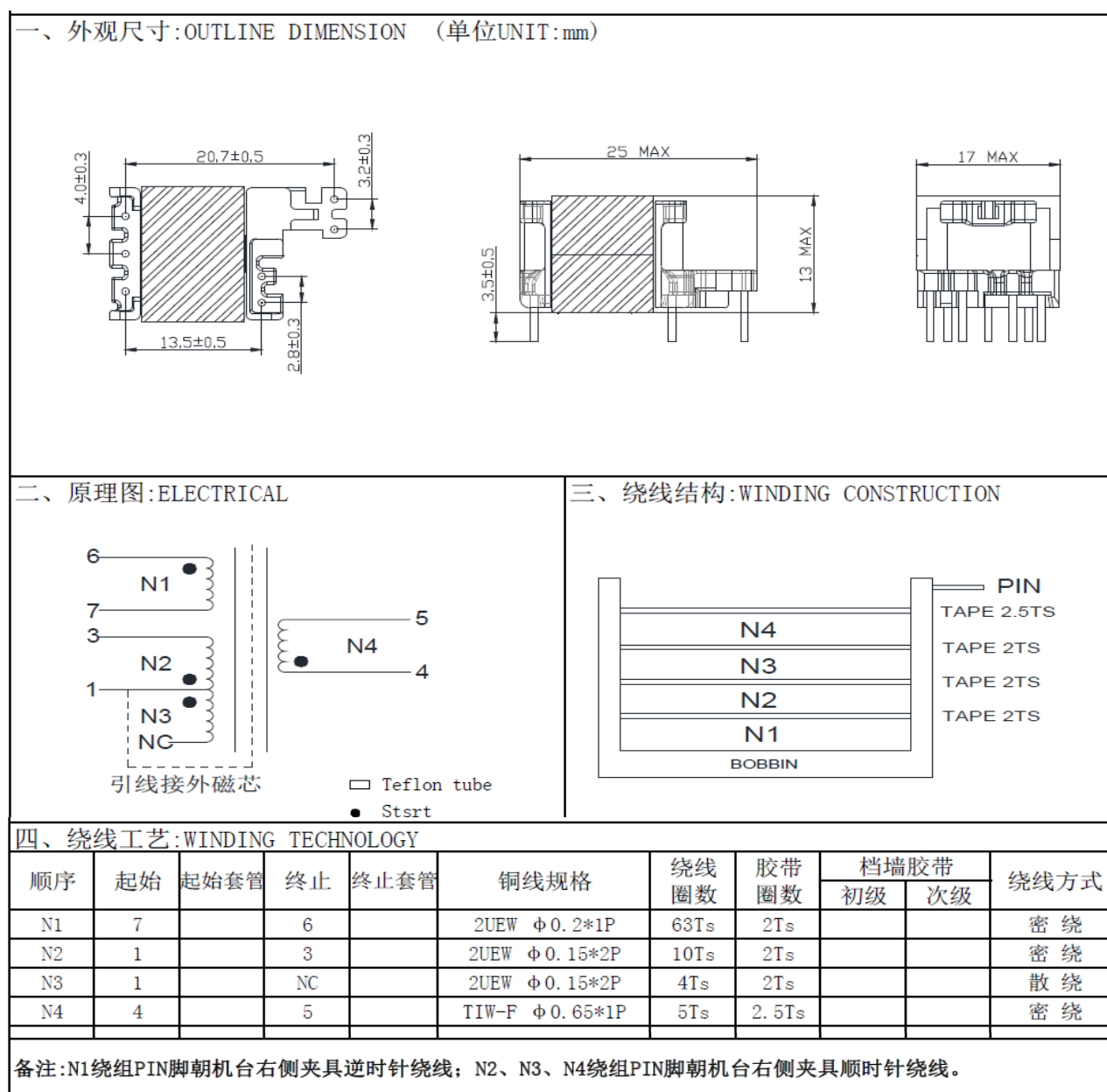
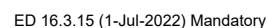
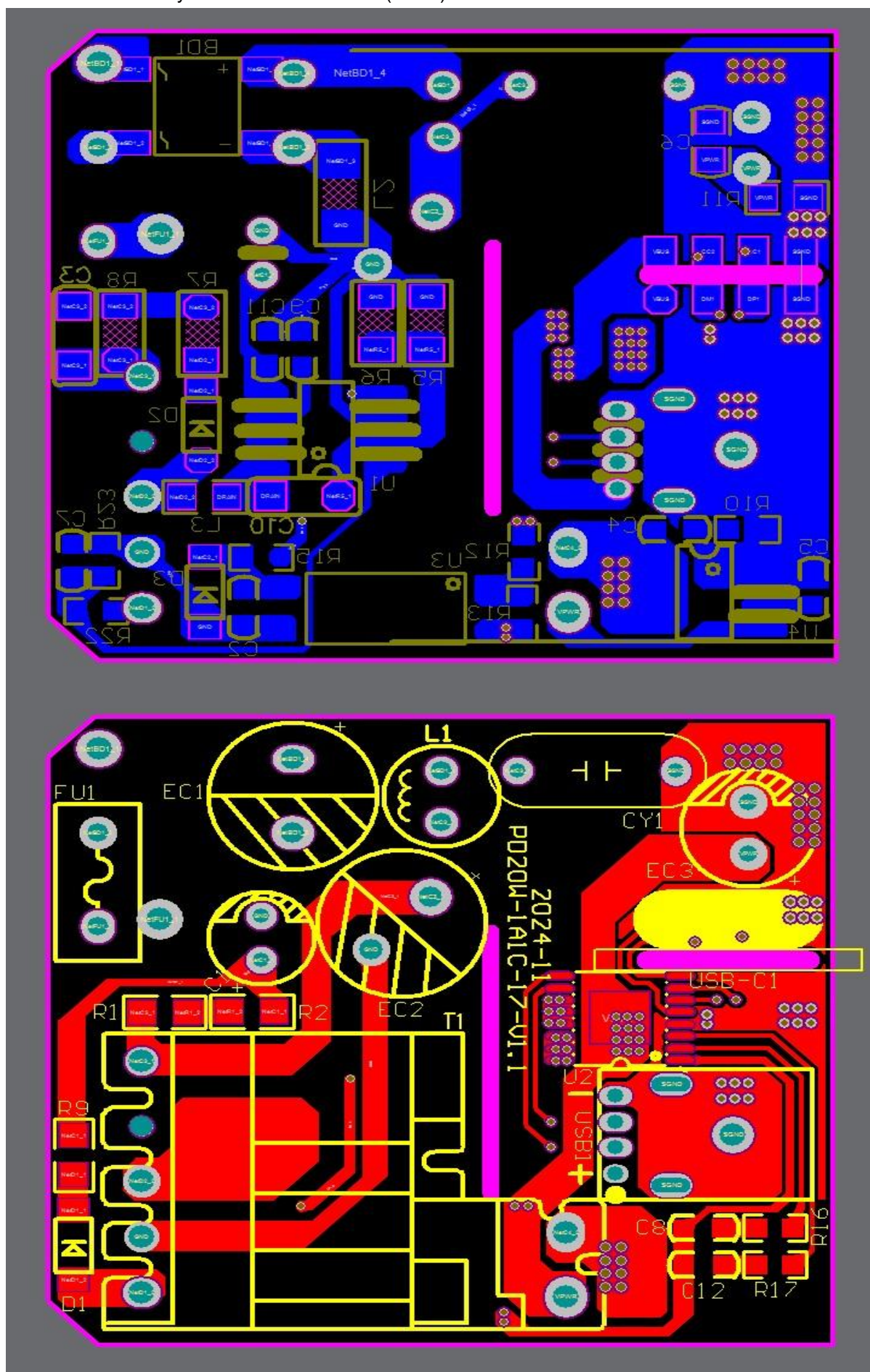


Illustration 113 -Circuit diagram of USB module 5, 6, 7and 8.



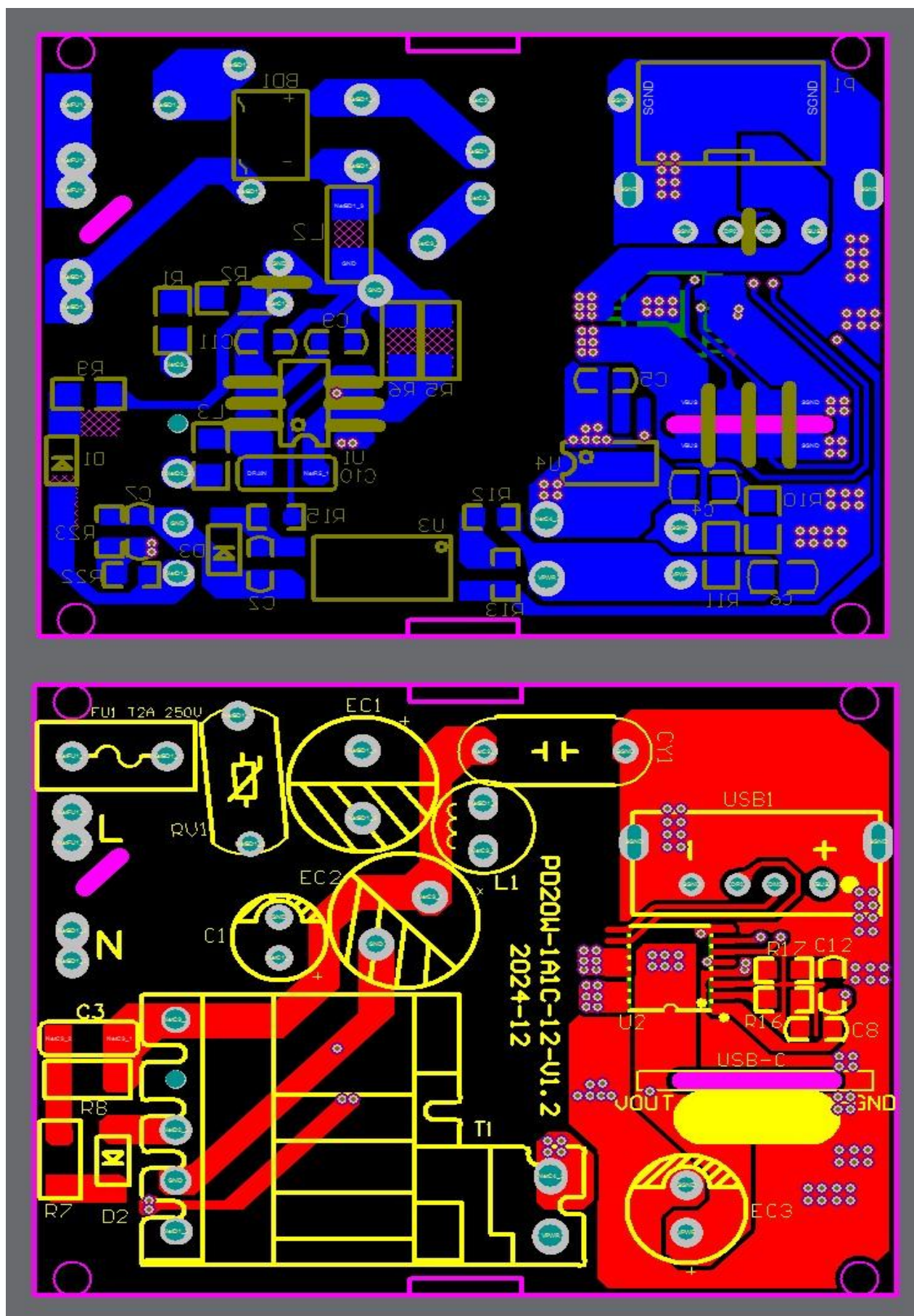
7.0 Illustrations

Illustration 114 - PCB layout of USB module 5/7 (1A1C).



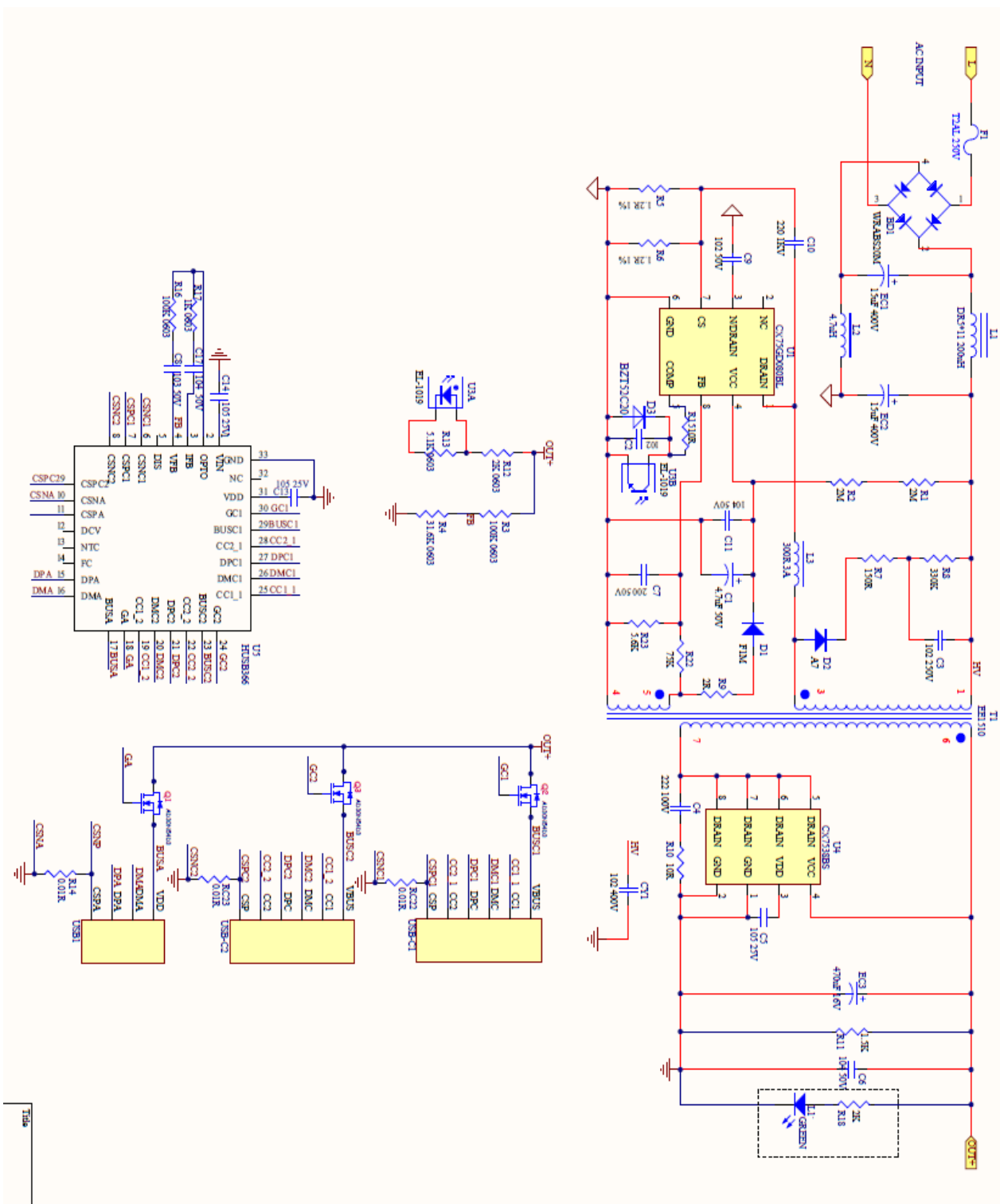
7.0 Illustrations

Illustration 115 - PCB layout of USB module 6/8 (1A1C).



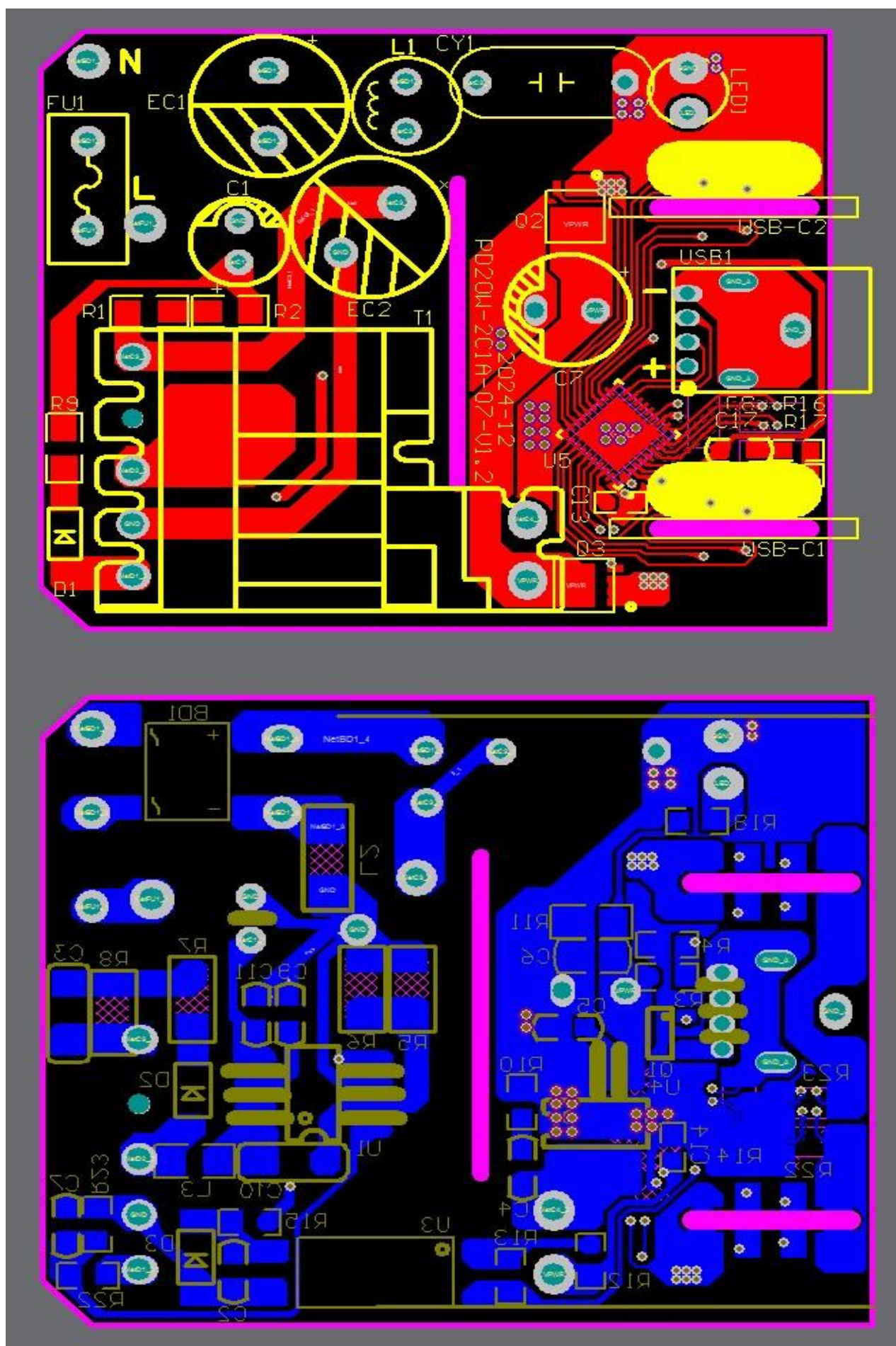
7.0 Illustrations

Illustration 116 -Circuit diagram of USB module 11 and 12.



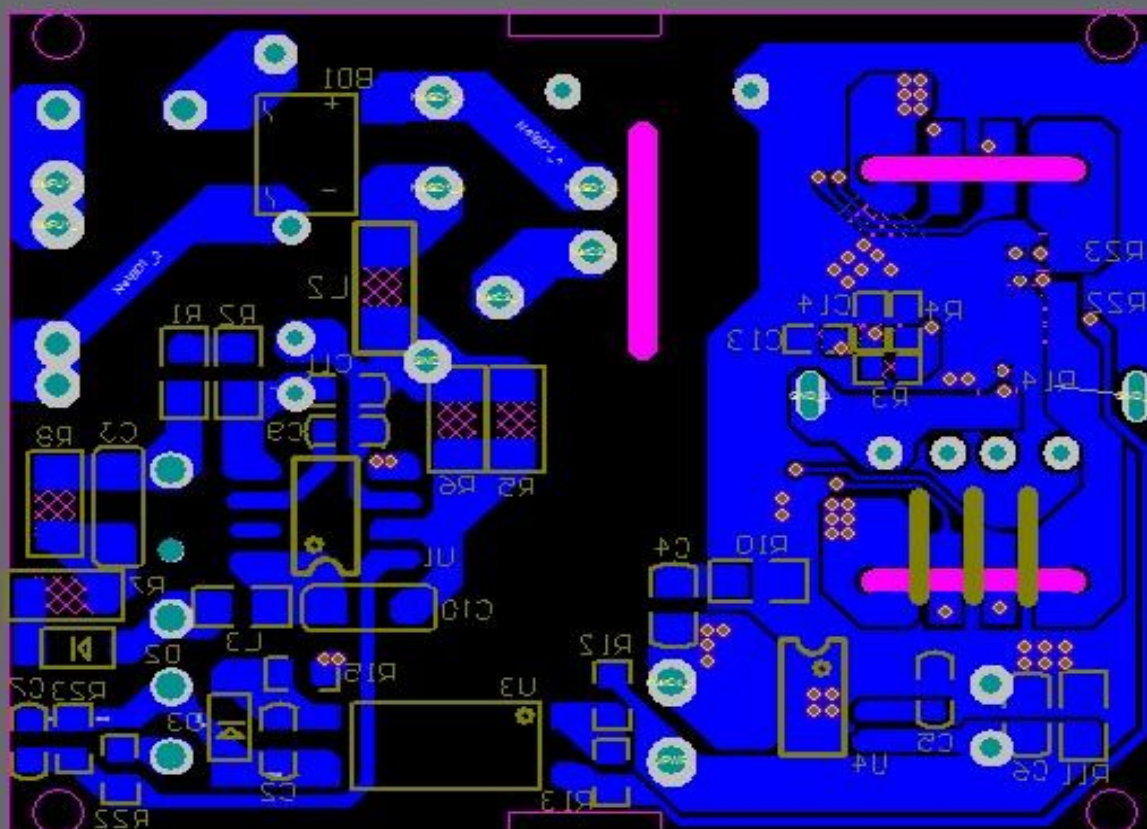
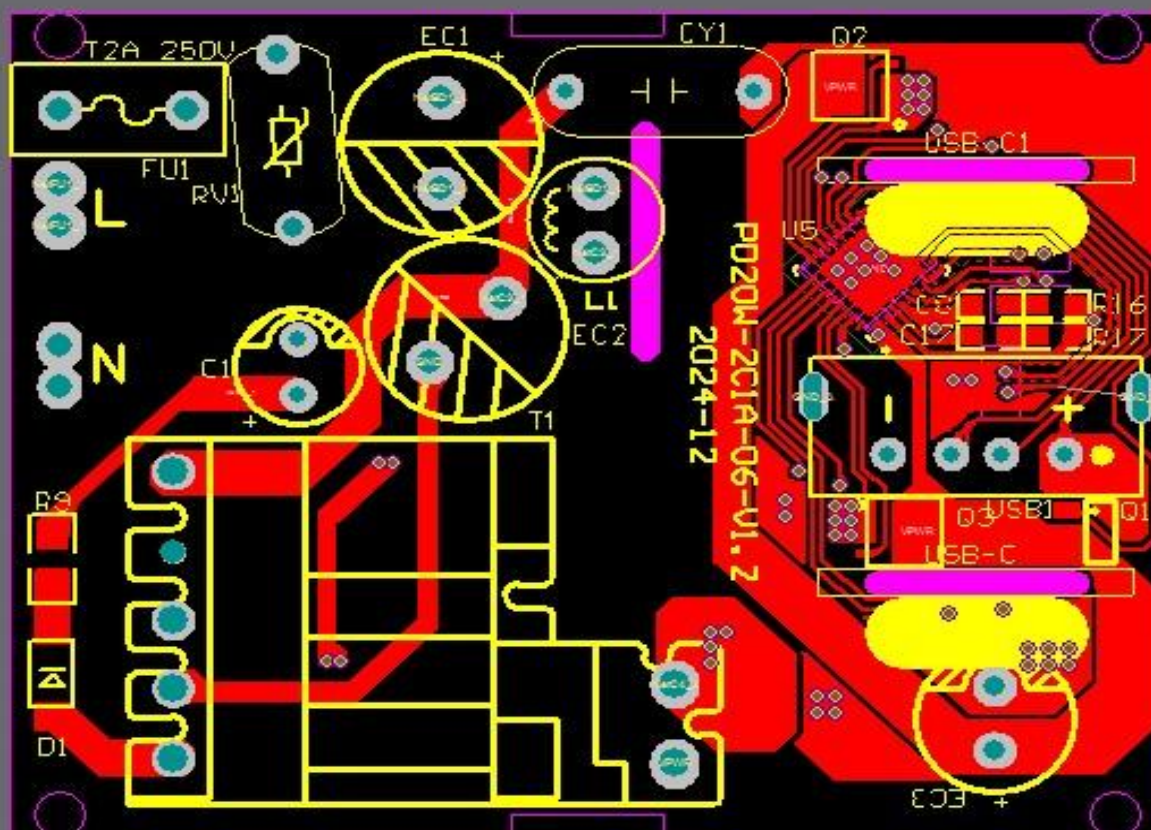
7.0 Illustrations

Illustration 117 - PCB layout of USB module 11 (1A2C).



7.0 Illustrations

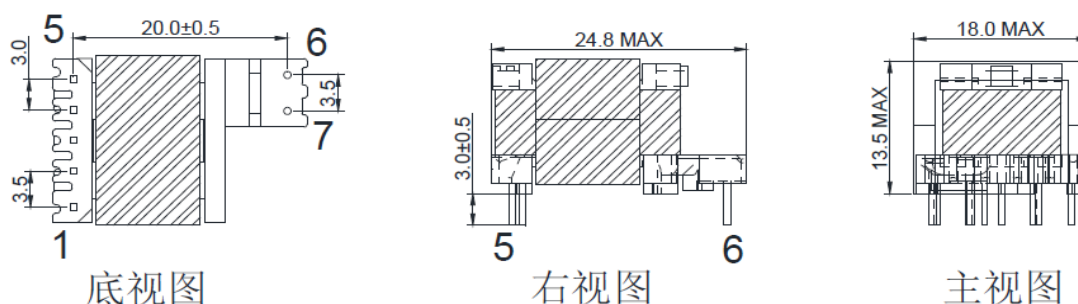
Illustration 118 - PCB layout of USB module 12 (1A2C).



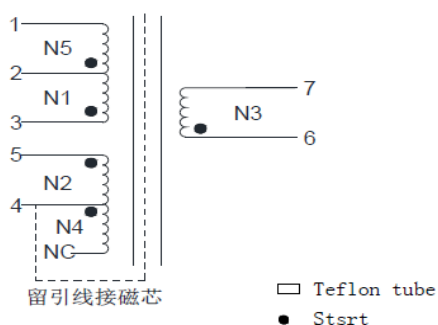
7.0 Illustrations

Illustration 119 -Transformer specification of model EE1510-20W-D.

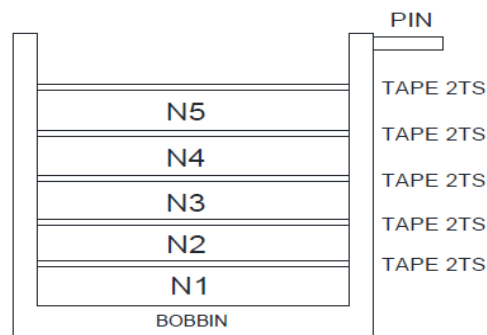
一、外观尺寸:OUTLINE DIMENSION (单位UNIT:mm)



二、原理图:ELECTRICAL



三、绕线结构:WINDING CONSTRUCTION



NOTES:符合ROHS要求

- 骨架留全脚, PIN2脚公共脚保留。
- 磁芯开气隙, 用9.5胶带固定磁芯3Ts, PIN4脚留引线接磁芯。
- 成品须真空含浸处理。

四、绕线工艺:WINDING TECHNOLOGY

顺序	起始	起始套管	终止	终止套管	铜线规格	绕线圈数	胶带圈数	档墙胶带		绕线方式	
								初级	次级		
N1	3		2		2UEW ϕ 0.23*1P	41Ts	2Ts			密绕	不交叉
N2	5		4		2UEW ϕ 0.18*1P	11Ts	2Ts			居中密绕	不交叉
N3	7		6		四层绝缘线 ϕ 0.65*1P	5Ts	2Ts			密绕	交叉
N4	4		NC		2UEW ϕ 0.18*1P	19Ts	2Ts			居中密绕	不交叉
N5	1		2		2UEW ϕ 0.23*1P	14Ts	2Ts			居中密绕	不交叉

8.0 Test Summary					
Evaluation Period	31-Dec-2024 to 24-Feb-2025			Project No.	241231053GZU
Sample Rec. Date	31-Dec-2024	Condition	Prototype	Sample ID.	S241231053-001 to -067
Test Location	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room 101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description			UL 962A:2023 Ed.6 Clause	CSA C22.2#308:2018 Ed.2 Clause	UL 746C:2018 Ed.7+R:24Mar2023 Clause
Temperature Test			29	8.6	--
Dielectric Voltage-Withstand Test			30	8.3	--
Leakage Current Test			31.1	8.7	--
Leakage current after humidity test			31.2	--	--
Grounding Continuity Test			32	--	--
Fault Current Test			33	--	--
Overcurrent Test			34	--	--
Strain Relief Test			36	8.29	--
Push Back Relief Test			37	--	--
Impact test			--	8.2	--
Drop impact test			38.2	--	--
Steel sphere impact test			38.3	--	--
Low-temperature steel sphere impact test			38.4	--	--
Crushing Test			39	8.19	--
Adequacy of Mounting Test			40	8.28	--
Mold Stress-Relief Distortion Test			42	8.15	--
Spill Test			43	--	--
Accessibility Tests			44	--	--
Enclosure accessibility test			44.1	--	--
Accessibility of live parts test			44.2	--	--
Flammability - 127 mm (5 inch) Flame Test			--	--	52
Test Description			UL 498:2017 Ed.16+R:31May2023 Clause	CSA C22.2#42:2010 Ed.7+U1;U2;U3;U4;U5 Clause	--
Configurations Check			7	5	--
Retention of Plugs Tests			116	8.7	--
Overload Tests			117	8.8	--
Temperature Test			118	8.9	--
Retention of Plugs Tests (repeated)			119	8.1	--
Resistance to Arcing Test			120	8.17	--
Grounding Contact test			125	8.16	--
The following tests were performed : (for USB module bace on project 241225155GZU)					
Test Description			UL 62368-1:2019 Ed.3+R:22Oct2021 & CSA C22.2#62368-1:2019 Ed.3+U1 Clause		--
10 N steady force test			4.6.2		--
Classification of electrical energy sources			5.2		--
Temperature measurements			5.4.1.4, 9.3 and B.2.6		--
Determination of working voltage test			5.4.1.8		--
Clearances and Creepage distance measurement			5.4.2 and 5.4.3		--

8.0 Test Summary		
Minimum distance through insulation measurement	5.4.4.2	
Solid insulation at frequencies >30 kHz measurement	5.4.4.9	
Antenna terminal insulation test	5.4.5	--
Electric strength tests	5.4.9	
Unearthed accessible parts touch current test	5.7.4	--
Electrical power sources (PS) measurements for classification	6.2.2	--
Determination of potential ignition sources (arcing PIS)	6.2.3.1	--
Determination of potential ignition sources (resistive PIS)	6.2.3.2	--
Input test	B.2.5	--
Simulated abnormal operating conditions test	B.3	--
Simulated single fault conditions test	B.4	--
Limited power source test	Q.1	--
Steady force test	T.2	--
Component reviewer	Spark He	

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Sam Song	Reviewed by:	Tina Dong
Title:	Engineer	Title:	Reviewer
Signature:	Signature on file	Signature:	Signature on file

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	Dongguan baiyou electronic co.,ltd
Address	2 F A building wufeng industrial jintan road shijie town DONGGUAN CITY Guangdong 523295
Country	China
Product	Furniture Power Distribution Unit

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:

Intertek Testing Services Shenzhen Limited Guangzhou Branch

ETL Component Evaluation Center

Room 101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District

Guangzhou, Guangdong, China

Attn: Ms. Joey Kuang

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage-Withstand Test, Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

The test shall be conducted when the FPDU is complete (fully assembled). It is not intended that the FPDU be unwired, modified, or disassembled for the test.

The test equipment when adjusted for production-line testing, is to produce an output voltage that is not less than the factory test value specified, nor is the magnitude of the test voltage to be greater than 120 percent of the specified test potential when the tester is used in each of the following conditions:

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

a) When the test duration is 1 s, the output voltage is to be maintained within the specified range when:

- 1) Only a voltmeter having an input impedance of at least 2 M Ω and a specimen of the product being tested are connected to the output terminals and
- 2) A relatively high resistance is connected in parallel with the voltmeter and the product being tested, and the value of the resistance is gradually reduced to the point where an indication of unacceptable performance just occurs.

b) When the test duration is 1 min, the output voltage is to be maintained within the specified range (by manual or automatic means) throughout the 1-min duration of the test or until there is an indication of unacceptable performance.

The specified control of the applied voltage, manual or automatic, shall be maintained under conditions of varying line voltage. Higher test potentials are not prohibited from being used when the higher dielectric stress does not adversely affect the insulating systems of the product.

Test Equipment

In addition to the characteristics indicated above, the test equipment is to have the following features and characteristics:

a) A means of indicating the test voltage that is being applied to the appliance under test. This is accomplished by sensing the voltage at the test leads or by an equivalent means.

b) An output voltage that has a sinusoidal waveform, a frequency that is within the range of 40 – 70 Hz, and a peak value of the waveform that is not to be less than 1.3 and not more than 1.5 times the root-mean-square value.

c) A means of effectively indicating unacceptable performance. The indication is to be:

- 1) Auditory, when it can be readily heard above the background noise level;
- 2) Visual, when it commands the attention of the operator; or
- 3) A device that automatically rejects an unacceptable product. When the indication of unacceptable performance is auditory or visual, the indication is to remain active and conspicuous until the test equipment is reset manually.

d) When the test equipment is adjusted to produce the test voltage, and a resistance of 120,000 Ω is connected across the output, the test equipment is to indicate an unacceptable performance within 0.5 s. A resistance of more than 120,000 Ω is not prohibited from being used to produce an indication of unacceptable performance when the manufacturer elects to use a tester having higher sensitivity.

Exception: The sensitivity of the test equipment – and a lower value of resistance – is not prohibited from being used when testing an appliance intended to be permanently wired.

There shall not be any transient voltage applied to the RPT under test that results in the instantaneous voltage applied to the RPT exceeding 120 percent of the peak value of the test voltage that the manufacturer elects to use for this test. This requirement applies for the entire duration of the test, including the time that the voltage is first applied to the RPT and the time that the voltage is removed from the RPT.

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
All products covered by this Report.	1250V AC/ 1768V DC or 1500V AC/ 2121V DC	60 s 1 s
Product - One sample from each shipment of section 4.0 item 18 and 20		
Primary pins to Secondary pins	4000Vac	60s
Secondary pins to Iron core	4000Vac	60s

11.2 Grounding Continuity Test

Method

Each product shall be tested, as a routine production-line test, to determine grounding continuity between the grounding terminal and the accessible, dead-metal parts of the product that become energized. The grounding contact of each receptacle are included in this test.

Test Equipment

Compliance with above is determined by any appropriate device, such as an ohmmeter or a battery and buzzer combination, applied between the point of connection of the grounding means and the metal parts in question.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

The following changes are in compliance with the declaration of Section 8.1:

ED 16.3.15 (1-Jul-2022) Mandatory