

SPECIFICATION FOR APPROVAL

CUSTOMER: AMobile Solutions Corp.

CUSTOMER P/N : 3452242000550M

MODEL NAME: TC1560 NFC ANT HF(250mm)

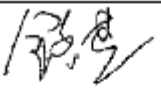
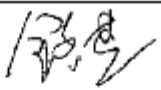
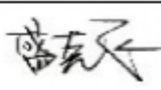
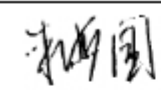
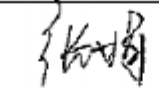
AWAN P/N: AFP00-000315

Date: 2026-05-07

Customer Approval

R&D Manager

AWAN Approved

					王昕霞
&D Manager / Dongyan.Jin	Mechanical Manager / Dongyan.Jin	Q&R Manager / KeFei.Sheng	Project Engineer / Jake.Zhu	Product Manager/ Ally.Zhang	Authorized Strength/ Xinxia.Wang



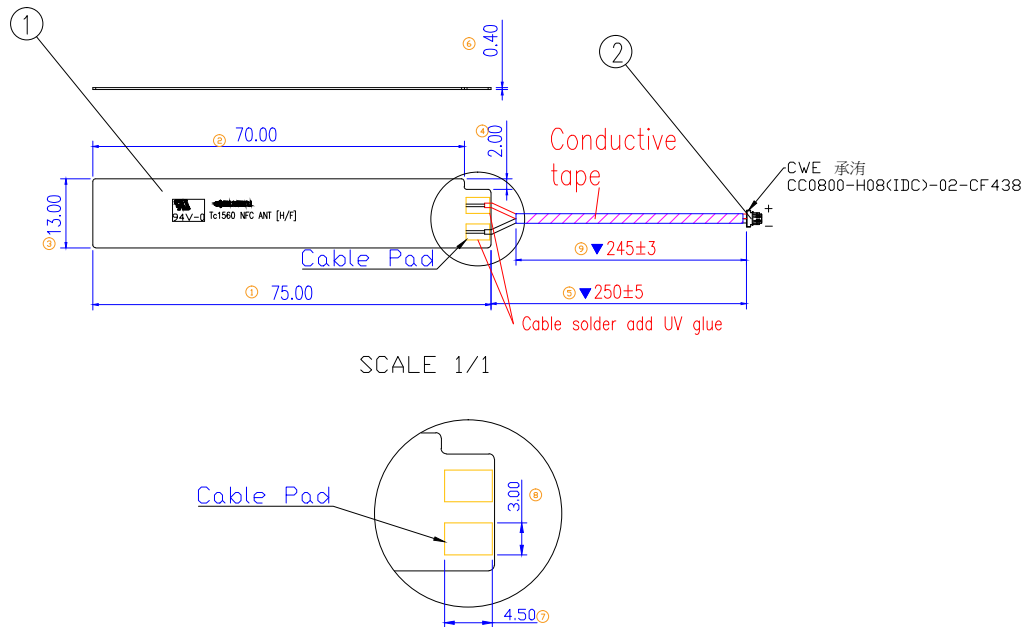
No.925, Hua-Yuan Road,Zhang- Pu Town,
Kun -Shan City, Jiang -Su Prov.,P.R.C.

TEL : 86-512-5744-6168

FAX : 86-512-5744-9168

Http : //www.awan-ant.com

1		2		3		4		5		6		7		8	
AWAN P/N	AFP00-000315							Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date		
								X1		New Release	Forest 01/10/25'	OEM 01/10/25'	Jerry 01/10/25'		
								X2		Release cable lenght	Jerry 03/20/25'	OEM 03/20/25'	Jerry 03/20/25'		
								X3		Release project name	Jerry 07/14/25'	OEM 07/14/25'	Jerry 07/14/25'		
								X4		Release cable lenght add conductive tape	Jerry 12/01/25'	OEM 12/01/25'	Jerry 12/01/25'		
Customer P/N	3452242000550M														



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4				
3				
2	(CWE 承清)CC0800-H08(IDC)-02-CF438+conductive tape	1	WCDRS-00116	CONN+PLUG
1	FR4 SIZE:75*13*0.4mm	1	D-AFP00-1FC215	PCB
Item	Name	Q'ty	Part #	Material / Finish

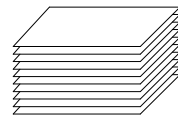
Control Point		Tolerances Unless Otherwise Specified		Drawn Date		 TC1560_NFC_ANT_HF(250mm)
FAC	to	General	X _{xx} ±0.50 X _{xx} ±0.20 X _{xxx} ±0.10 X _{xxx} ±0.05	Jerry	07/14/25'	
Critical (Cpk & Cp) :		Angles	X _{xx} ±5.0° X _{xx} ±3.0° X _{xxx} ±1.0°	Jerry	07/14/25'	
[X] = 0 Places		Scale	1 : 1	OEM	07/14/25'	
Major (QC Checked) :		Sheet	1 of 1	Jason	07/14/25'	
▼ = 1 Places		Unit	mm	3D File		Series AFP00 Series Size A3
Tool Design Dimension :		SEE NOTE				Day No. C-AFP00-91-00 Rev. X4
[F.D.M] = 0 Places						

HSF相關均質拆分及測試點選擇參照
<HSF均質物質拆分作業圖示表>

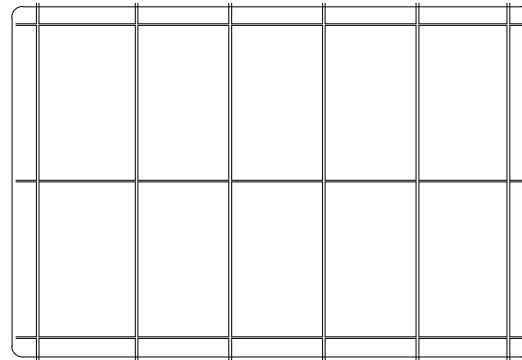
符合AWAN環境管理物質技術標準
All materials meet the AWAN's spec. Environment - related substances management technical standard.

12345678

Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X1		New Release	Jerry 11/14/24'	Jason 11/14/24'	Jason 11/14/24'



100PCS/Square



2layer+2pcs Card Board in the carton
(2000Pcs Antenna in the Carton)

Card Board

2000 PCS/Carton

Card Board A

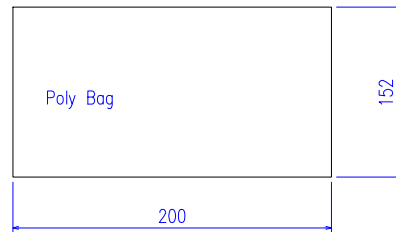
Card Board

1000 PCS/Layer

1000 PCS/Layer



Antenna X20



Need Label

Notes

1.0

1. Packaging P/N see Table A
2. Packaging quantity & N.W & G.W refer Table B

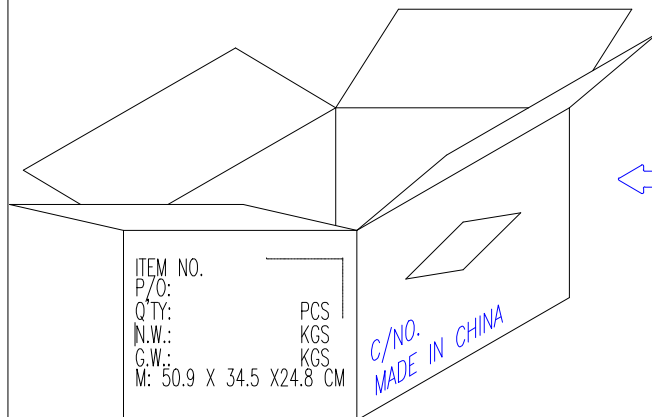
P-SE-CD307 5layer,6slotx3slot(485x337)

TABLE A :

PART NAME	P/N	PCS
OUTER BOX	P-B0-0895D00	1
Card Board 490*330	P-B-045053100	2
Card Board A 720*340	P-B-070061300	1
3slot_5layer 337*113*7t	P-B-072057509	12
5slot_6layer 492*113	P-B-060057516	6
PE bag	P-PE-B0140400000	200

TABLE B :

Part Number	PCS/Poly Bag	PCS/Square	PCS/Layer	PCS/Carton	N.W(kgs)	G.W(kgs)
AFP00-000315	20	100	1000	2000		



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HSF相關均質拆分及測試點選擇參照
<HSF均質物質拆分作業圖示表>

Tolerances Unless Otherwise Specified	Drawn	Date		Title
	Jerry	11/14/24'		
General	Design	Date		
	Jerry	11/14/24'		
Angles	Checked	Date		
	Jason	11/14/24'		
Scale	Approved	Date		
	Jason	11/14/24'		
Sheet 1 of 1	3D File		Series	Size
Unit mm			AFP00	A3
			Rev. X1	

符合AWAN環境管理物質技術標準
All materials meet the AWAN's spec. Environment - related substances management technical standard.



- 天線功能較為敏感，主體周邊機構有變更請通知我們評估
- The antenna function is rather sensitive. Please notify us for assessment if there are any changes to the surrounding structures of the main body.

BOM LIST

Vendor: AWAN

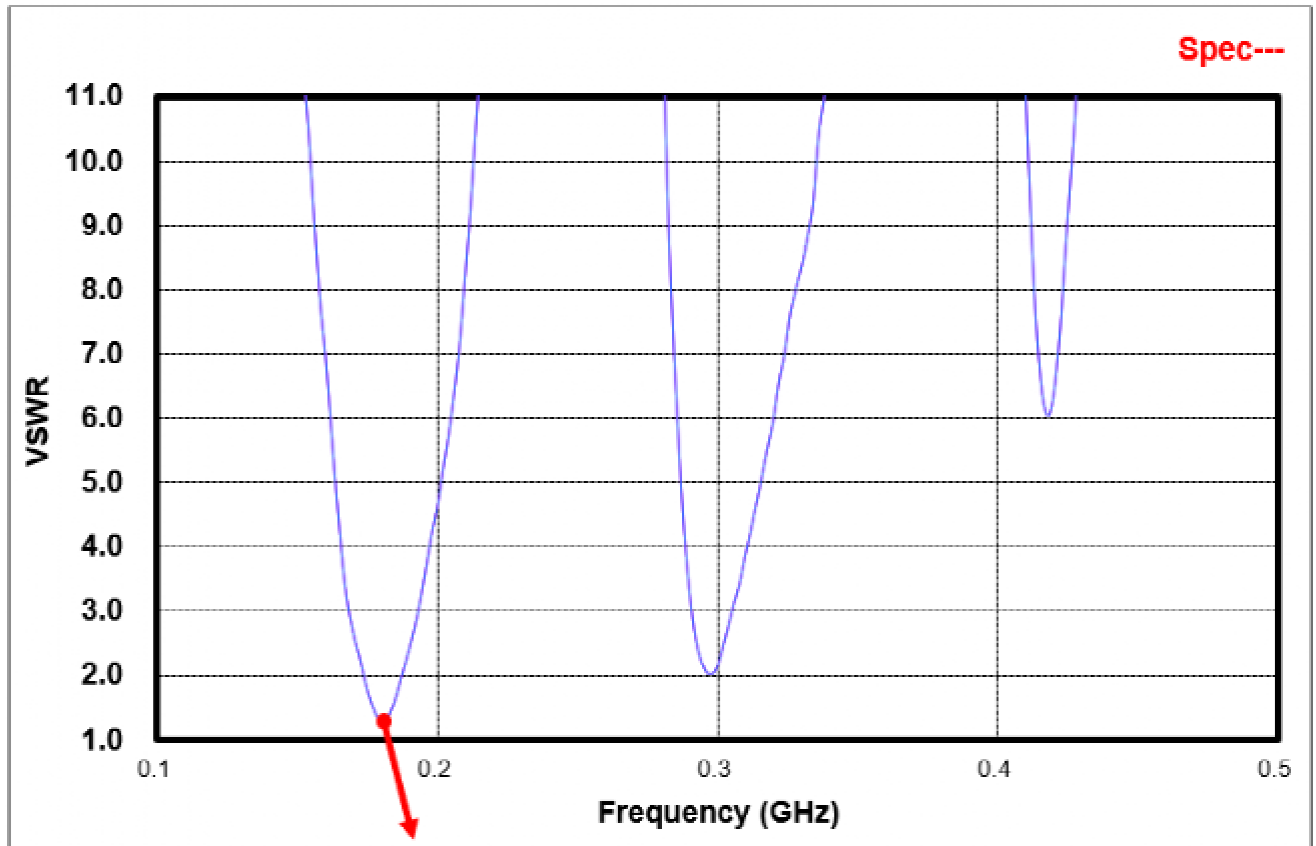
Item: TC1561_NFC_ANT

AWAN P/N : AFP00-000315

Material	Name	Vendor
Cable	Red	CWE
	Blackconductive tape	
	Connector	
	Conductive tape	
PCB	FR4	XHR

昆山展腾电子科技有限公司 Kunshan Zhanteng Electronic Technology Co., Ltd FAI																
Page: /																
品名规格: Tc1560-NFC-ANT-HF(250mm) Product Name and Specification: Tc1560-NFC-ANT-HF (250mm)				图号 (版本) : X4 Image Number (Version): X4				第 / 次送样 The/th sample submission		☐ 供货商: ☐ Supplier:		AWAN				
料号 : 3452242000550M Part number: 3452242000550M										☒ 客户: ☒ Customer:		盘旭 Pan Xu				
量具 measuring tool	A. 游标卡尺 B. OMM C. 显微镜 D. 钢尺 E.量具 F.X-RAY A. Vernier caliper B. OMM C. Microscope D. Steel ruler E. Measuring tool F.X-RAY								检验项目 Inspection items	☒ 尺寸 ☒ Size						
	G. 目视 H.益和测试机/8681/8687 I.工具显微镜 G. Visual H. Yihe testing machine/8681/8687 I. Tool microscope									☐ ☐ ☐ ☐						
	J 高度规 K. 网络分析仪 L.二次元 J Height gauge K. Network analyzer L. anime															
序号 serial number	尺寸 Size			检验记录 Inspection Record						检验结果 Test results					可否 允收 Is it possible	备注 remark
	Nominal	+Tol	-Tol	样品1 Sample 1	样品2 Sample 2	样品3 Sample 3	样品4 Sample 4	样品5 Sample 5	工 具 Tools							
1	75.00	0.10	0.10	75.030	75.010	75.000	74.950	75.030	A	OK	OK	OK	OK	OK	允收 Acceptance	
2	70.00	0.10	0.10	70.000	69.950	70.020	70.030	70.000	A	OK	OK	OK	OK	OK	允收 Acceptance	
3	13.00	0.10	0.10	13.000	12.980	13.030	13.010	13.000	A	OK	OK	OK	OK	OK	允收 Acceptance	
4	2.00	0.10	0.10	1.993	1.973	1.988	1.996	2.012	L	OK	OK	OK	OK	OK	允收 Acceptance	
5	250.00	5.00	5.00	250.000	251.000	251.000	250.000	249.000	D	OK	OK	OK	OK	OK	允收 Acceptance	
6	0.40	0.10	0.10	0.410	0.400	0.400	0.410	0.390	A	OK	OK	OK	OK	OK	允收 Acceptance	
7	4.50	0.10	0.10	4.512	4.503	4.493	4.512	4.522	L	OK	OK	OK	OK	OK	允收 Acceptance	
8	3.00	0.10	0.10	2.968	2.986	2.993	3.012	3.005	L	OK	OK	OK	OK	OK	允收 Acceptance	
9	245.00	3.00	3.00	245.000	244.000	244.000	245.000	245.000	D	OK	OK	OK	OK	OK	允收 Acceptance	
备注说明:(或略图说明) Remarks: (or thumbnail description)																
检验 inspection		白颖涛 Bai Yingtao		日期 date		2026/4/16		意见 opinion		OK						
审核 review		盛克飞 Sheng Kefei		日期 date		2026/4/16		意见 opinion		OK						
研发单位 R&D unit		潘筱 Pan Xiao		日期 date		2026/4/16		意见 opinion		OK						
213508-S-0004-02-01																

1.VSWR



中心頻率 : 0.18 GHz $\pm$ 5%

*** In free space**

Antenna Operation Frequency is 13.56MHz

Declaration of Minerals Conflict-Free Conformity

Advanced Wireless & Antenna (Kunshan) Ltd herein declare the Minerals Conflict-Free on all products supplied to customers.

昆山展騰电子科技有限公司 在此聲明提供給客戶的所有產品均不含衝突礦產。

Advanced Wireless & Antenna (Kunshan) Ltd is taking and will take due diligence within our supply chain to assure "DRC Conflict-Free" for the Minerals of **Tantalum(Ta), Tungsten(W), Tin(Sn), Gold(Au), Cobalt(Co) and Mica** are not derived from or sourced from mines in conflict areas of the Democratic Republic of Congo (DRC), or illegally taxed on trade routes, either of which are controlled by non-governmental military groups, or unlawful military factions. Trade routes not confirmed to be "conflict Free" include direct exports from the DRC, as well as exports through Rwanda, Uganda, Burundi, Tanzania and Kenya (countries of whom the U.N. Security Council note are global export routes for DRC-mined minerals).

昆山展騰电子科技有限公司 正在且將持續調查我們的供應鏈，以確保鈮(Ta)、鎢(W)、錫(Sn)、金(Au)、鈷(Co)及雲母這類金屬並非透過無政府軍團或非法集團，由剛果民主共和國衝突區域之礦區開採或是循非法走私途徑取得。下列國家出口之金屬皆不符合「無衝突規範」：剛果民主共和國(DRC)、盧安達(Rwanda)、烏干達(Uganda)、蒲隆地(Burundi)、坦尚尼亞(Tanzania)、肯亞(Kenya) (聯合國安全理事會認定上述國家皆為剛果礦脈之礦產)。

Advanced Wireless & Antenna (Kunshan) Ltd would like to confirm minerals used in all products are "DRC Conflict-Free".

昆山展騰电子科技有限公司 確認所有產品中使用的礦物皆符合「無衝突規範」。

Advanced Wireless & Antenna (Kunshan) Ltd hereby formulated this Conflict minerals Policy and makes following commitments:

昆山展騰电子科技有限公司 特此制定本《衝突礦產政策》，並作出如下承諾：

1. Not to purchase conflict minerals from mines in the Conflict Regions.
不夠買從衝突地區來的衝突礦產。
2. Request its suppliers to refuse to use Conflict Minerals from the Conflict Regions and present a signed letter of commitment to AMOBILE.
要求其供應商拒絕使用來自衝突地區的衝突礦產，並向 磐旭 出示已簽署的承諾書。
3. Request its suppliers to notify their upstream/downstream suppliers to follow Minerals Conflict-Free requirements.
要求敝公司之供應商，須管理其上下游供應商遵守無衝突礦產要求。
4. Continuing our industry leadership and our efforts to source conflict-free minerals from the DRC where possible.
盡最大努力對物料來源，拒絕使用從衝突地區來的衝突礦物。

--品質副理--

Authorized signature

(Name), (Title)

Mar. 15, 2023



amobile-solutions.com.tw

Doc No: 2024003-V1.0

Declaration of REACH Compliance

Advanced Wireless & Antenna (Kunshan) Ltd hereby confirms all products comply with the restriction of ECHA SVHC(Substances of Very High Concern) in (EC) 1907/2006(Registration, Evaluation, Authorization, and Restriction of Chemicals) annex XVII to regulated by the European Union. To declares as follows:

昆山展騰电子科技有限公司 公司特此聲明，所有產品均符合歐盟 EC (1907/2006)法規要求之限制。聲明如下：

1. Products are within the definition of "Articles" in subsection 3 of Article 3 of REACH. None of the substances contained in Products and meet the registration conditions of Article 7 of REACH.
產品符合歐盟 REACH 法規第三條第三項之定義。本產品並無物質符合歐盟 REACH 法規第七條註冊之要求。
2. The product continuously meets the SVHC ECHA announced of REACH Regulation (EC) 1907/2006 requirement.
產品持續符合歐盟 REACH 法規(EC)1907/2006 於 ECHA 公告之高度關注物質的相關要求。
3. Keep monitoring the new development of SVHC requirement and be fully in compliance with REACH schedule to notify the Agency if the Products contain any SVHC substances.
將持續關注歐盟 REACH 法規之高度關注物質發展情形，並依據歐盟 REACH 法規所公佈之通報時程，將產品是否有使用高度關注物質之情形進行通報。

If the substance exceeds the limit but meets the exemption, please complete the table.

(如物質超過限值但符合豁免條款，請填寫下表)

SVHC No.	Substance 物質	CAS Number 化學編號	Content 含量

Company Name 公司名稱：昆山展騰电子科技有限公司

Person in charge 代表人：

Address 地址：江蘇省昆山市張浦花苑路 925 號 2 號房

Date 日期：2025/3/6

(Stamped 公司章)



Declaration of RoHS 2.0 Compliance

Advanced Wireless & Antenna (Kunshan) Ltd hereby declare that our products, delivering to our customer compliance with RoHS (Restriction of Certain Hazardous Substances) directive 2011/65/EU & (EU)2015/863 on the restriction of the use of some hazardous substances with maximum values as follows.

昆山展騰电子科技有限公司 公司聲明 我們所有產品均符合歐盟 RoHS 2.0 指令2011/65/EU & (EU)2015/863，禁限用物質如下：

Substance	Maximum Limit (ppm)	Directive
Lead(Pb)	1000	2011/65/EU
Cadmium(Cd)	100	
Mercury(Hg)	1000	
Hexavalent Chromium(Cr6+)	1000	
Poly Brominated Biphenyls(PBB)	1000	
Poly Brominated Diphenyl Ethers (PBDE)	1000	
Bis (2-ethylhexyl) Phthalate (DEHP)	1000	2015/863/EU
Butyl benzyl phthalate (BBP)	1000	
Dibutyl phthalate (DBP)	1000	
Diisobutyl phthalate (DIBP)	1000	

If any non-compliance with this certification and related regulation, we shall hold Arbor harmless and compensate AMobile for all costs, losses and damages.

若違反本聲明內容或違反相關環保法規而導致磐旭智能股份有限公司受有損害，本公司願負全部法律與賠償責任。

If the substance exceeds the limit but meets the exemption, please complete the table.

(如物質超過限值但符合豁免條款，請填寫下表)

Substance 物質	CAS No 化學編號	Content 含量	Exemption clause 豁免條款

Company Name 公司名稱： 昆山展騰电子科技有限公司

Person in charge 代表人：

Address 地址： 江蘇省昆山市張浦花苑路 925 號 2 號房

Date 日期： 2025/3/6

(Stamped 公司章)



不使用美國加州 65 號法案所列化學物質證明 Non-use Certificate of U.S. CA Prop 65 Chemicals

本公司特以此保證書向磐旭智能股份有限公司提出符合性聲明，保證所供應之產品將自行檢索以下或相關美國加州政府公告之相關訊息：<https://oehha.ca.gov/proposition-65> 以持續符合加州環境保護局 (CalEPA) 環境健康危害評估辦公室 (California Office of Environmental Health Hazard Assessment, OEHHA) 所管理的加州 65 號法案《安全飲用水和有毒物質實施法》(the California Proposition 65 "Safe Drinking Water and Toxic Enforcement Act of 1986")。若因違反而導致磐旭智能股份有限公司有損害或遭到索賠，本公司願負全部法律與賠償責任。且如有任何實際損害發生，我方會與磐旭智能股份有限公司就賠償方式依誠信進行協商。且當供應產品之成分包含了法案所列的化學物質，也將如實於下表做揭露，以利進一步管制防止大量排放到飲用水中以及向加州人民發出警告：

We, hereby make a declaration of conformity to Amobile Intelligent Corp. Limited Taiwan Branch. with this guarantee, and guarantees that the products supplied will self-index the following information or relevant California government announcements: <https://oehha.ca.gov/proposition-65> to comply with the California Proposition 65 "Safe Drinking Water and Toxic Enforcement Act of 1986" continually controlled by the California Office of Environmental Health Hazard Assessment (OEHHA) of the CalEPA. If Amobile Intelligent Corp. Limited Taiwan Branch. suffers any damages or claims due to violations, we are willing to take full legal and compensation responsibilities. And if any actual damage occurs, we will negotiate with Amobile in good faith on the compensation method. When products are supplied that contain chemicals listed under this Act, we will also be faithfully disclosed in the following table for further control, prevent releases to drinking water, and have a warning to the people of California:

Part Number	Chemical	Type of Toxicity	CAS No.	Remark

公司名稱 Company Name：昆山展騰电子科技有限公司

代表人 Person in charge：

地址 Address：江蘇省昆山市張浦花苑路 925 號 2 號房

日期 Date：2025/3/6

(公司章 Stamped)



不使用美國毒管法之持久性生物累積毒性物質證明 Non-use Certificate of U.S. TSCA PBTs

本公司特以此保證書提出符合性聲明，保證所供應之產品中就下列五項物質之含量均有符合以下之限制標準。若因違反而導致磐旭智能股份有限公司有損害或遭到索賠，本公司願負全部法律與賠償責任。限制物質內容如下：

We hereby guarantee compliance with this certification and ensure that the contents of the following five substances in the supplied products meet the following restriction standards. Any violet law or regulation, we shall hold AMobile harmless and compensate Arbor for all costs, losses and damages. The contents of restricted substances are as follows:

Substance	CAS No.	Maximum Limit	Remark
2,4,6-參(三級丁基)苯酚 (2,4,6-TTBP)	732-26-3	≤ 0.3%	
十溴聯苯醚 (DecaBDE)	1163-19-5	N.D.	
五氯苯硫酚 (PCTP)	133-49-3	≤ 1%	
異丙基化磷酸三苯酯 (3:1)(PIP(3:1))	68937-41-7	N.D.	
六氯丁二烯 (HCBD)	87-68-3	N.D.	

目前含有的物質，但保證能階段性符合之日期為：

It contains, but the substances that are guaranteed to be phased out and due date in conformity are:

Substance	Where use (P/N)	Date

公司名稱 Company Name：昆山展騰电子科技有限公司

代表人 Person in charge：

地址 Address：江蘇省昆山市張浦花苑路 925 號 2 號房

日期 Date：2025/3/6

(公司章 Stamped)

