

SPECIFICATION FOR APPROVAL

CUSTOMER: 系統電子

CUSTOMER P/N : 354-0000651

MODEL NAME: Birdwing-MIMO1 ANT HF

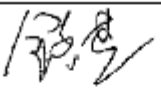
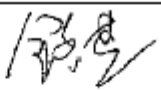
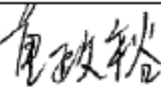
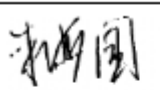
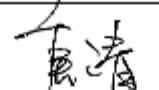
AWAN P/N: ALL6Y-100016

Date: 2024-10-31

Customer Approval

R&D Manager

AWAN Approved

					王昕霞
&D Manager / Dongyan.Jin	Mechanical Manager / Dongyan.Jin	Q&R Manager / Fish Tong	Project Engineer / Jake.Zhu	Product Manager Qing.Tang	Authorized Strength/ Xinxia.Wang



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Technical drawing of the Birdwing-MIM01_ANT_HF antenna assembly. The drawing includes multiple views: a top view, a side view, a front view, and a rear view. Key dimensions and features are labeled:

- Top View:** Overall length 241±3, width 28.92. Features include a cable with diameter $\phi 5.2$ and a distance of 4.4 from the end. A note specifies $\phi 1.37$ L/L Yellow Clabe (MIM01) IPEX 四代(NGFF).
- Side View:** Overall height 28.39, width 28.92.
- Front View:** Overall length 210.5±1.5, width 83.40. Features include a cable with diameter $\phi 2.2 \times 2$ and a distance of 12.70 from the end. A note specifies 6±1 中刺鉄錫.
- Rear View:** Overall length 89.20, width 28.39. Features include a cable with diameter $\phi 5.2$ and a distance of 4.4 from the end. A note specifies $\phi 1.37$ L/L Yellow Clabe (MIM01) IPEX 四代(NGFF).

Assembly Drawing

Control Point

FA: to

Critical (Cpk & Cp):

[X] = 0 Places

Major (QC Checked):

▼ = 1 Places

Tool Design Dimension:

[T DIM] = 0 Places

Unit: mm

Assembly Drawing

Customer Drawing

Item	Name	Q'ty	Part #	Material / Finish
5	防護套	1		PVC
4	Birdwing-MIM01_導電布_2	1		導電布
3	Birdwing-MIM01_導電布_1	1		導電布
2	$\phi 1.37$ L/L Yellow Clabe(MIM01)	1		CABLE + IPEX MHF4
1	Birdwing-MIM01_LDS	1		LDS + HOLDER

Drawn: Kin, Date: 10/25/24'

Design: Kin, Date: 10/25/24'

Checked: Jason, Date: 10/25/24'

Approved: Jerry, Date: 10/25/24'

3D File

Series: ALL6Y, Size: A3

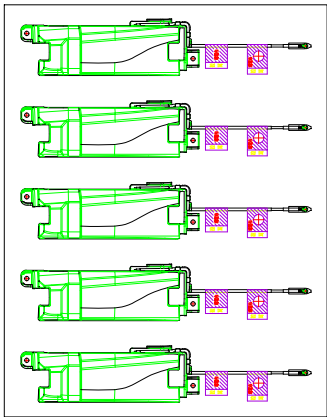
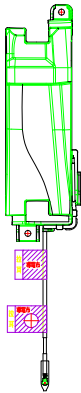
Dwg No.: C-ALL6Y-88-04, Rev: X1

HALOGEN FREE

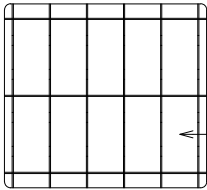
HSF 相關均質拆分及測試點選擇參照
 <HSF 均質物質拆分作業圖示表>

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.

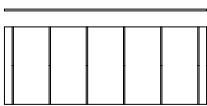
Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X1		NEW RELEASE	Kin 10/25/24'	Jason 10/25/24'	Jerry 10/25/24'



5PCS/PE袋



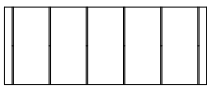
20 PCS/Square



Card Board

150 PCS/Layer

Card Board A



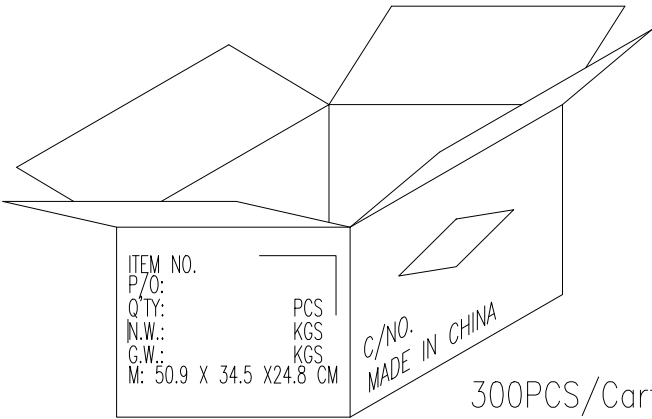
Card Board

P-SE-CD307 :5層版,6插槽x3插槽_隔板組(485x377)

- Notes:
- 1.0
 1. Packaging P/N see Table A
 2. Packaging quantity & N.W & G.W refer Table B

TABLE A :		
PART NAME	P/N	PCS
OUTER BOX		1
6插槽_5層 337*113*7T		6
3插槽_5層 485*113*7T		12
Card Board		2
Card Board A		1
PE袋		60

Table B :						
Part Number	Pcs/PE袋	PCS/Square	PCS/Layer	Pcs/Carton	N.W(kgs)	G.W(kgs)
ALL6Y-100016	5	15	150	300		



300PCS/Carton

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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					
		Kin	10/25/24'					
		Design	Date					
		Kin	10/25/24'					
Scale		Checked	Date	Title	Birdwing-MIMO1_ANT-包裝圖			
		Jason	10/25/24'					
Sheet		Approved	Date					
		Jerry	10/25/24'					
Unit		Series			ALL6Y	Series	Size	A3
		Dwg No.			P-ALL6Y-88-04		Rev.	X1
		Customer Drawing						

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.

	5G MIMO1 Gain Data	
Frequency(MHz)	Peak Gain (dBi)	Efficiency (%)
1560	3.50	39.64
1575	3.76	39.54
1585	4.08	40.76
1595	4.45	41.89
1602	4.62	42.71
1805	1.33	45.35
1843	1.84	49.63
1850	2.02	48.73
1880	2.58	47.97
1883	2.60	47.75
1930	3.85	45.19
1995	4.53	49.14
2010	4.98	55.45
2025	5.16	59.02
2110	4.24	65.19
2140	4.53	68.06
2170	4.67	68.86
2200	4.29	63.77
2300	3.77	58.05
2305	3.78	59.00
2310	3.59	57.10
2315	3.44	56.16
2350	3.11	55.28
2355	2.90	53.32
2360	2.99	54.82
2400	2.56	49.28
2496	3.42	56.07
2500	3.43	55.84
2535	3.24	56.69
2570	2.80	52.71
2593	2.87	52.30
2595	2.85	52.20
2620	2.45	52.82
2655	3.05	53.65
2690	3.14	52.60

	5G MIMO1 Gain Data	
Frequency(MHz)	Peak Gain (dBi)	Efficiency (%)
3300	3.68	53.68
3400	3.38	56.68
3500	3.11	55.21
3550	-2.57	20.84
3600	-2.46	23.80
3625	-2.31	28.32
3700	-2.13	28.04
3750	2.30	56.64
3800	2.08	48.90
4200	0.61	45.15