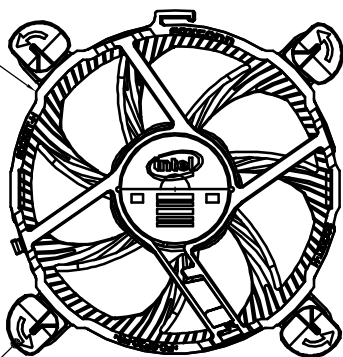


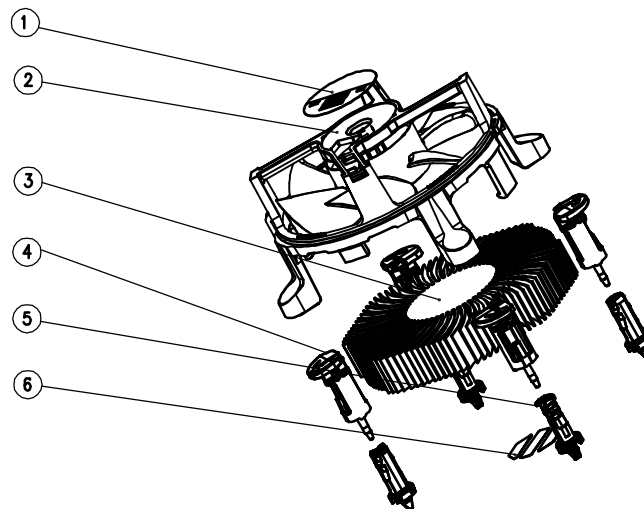
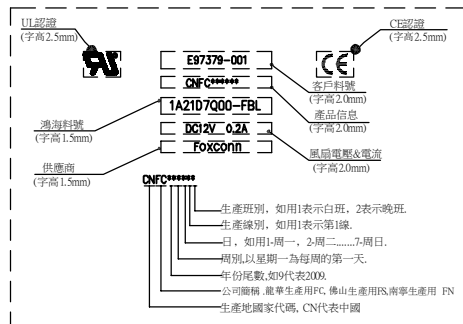


ø94.00±0.50



4 PCS 塑膠扣具以圖面
所示方向裝好放進Tray

Cooler成品標籤打印內容



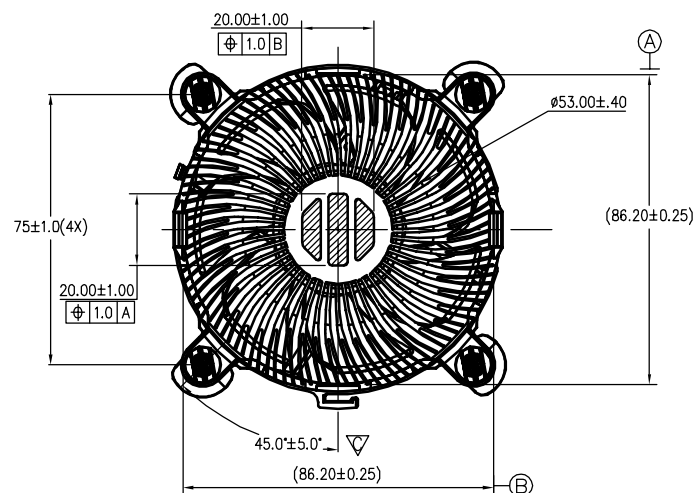
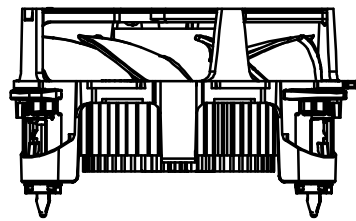
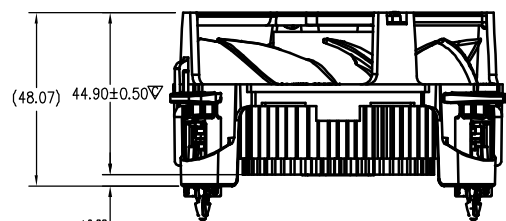
注釋:

- 所有尺寸與公差參照 ASME Y14.5M-1994.
- 所有標示▽的尺寸為重點管控尺寸, 必須在來料時檢查.
- 風扇額定電壓: 12V; 啟動電壓: 10.8V;
- ▽ 4.導熱膏的重量為92-133mg.
- 不可有利邊、利角, 所有邊、角必須符合UL1439安全規範.
- ▽ 6.標籤不能起皺、破損, 打印內容需清晰, 如第二頁參考圖所示.
- 標籤白色印字(UL&CE的相對直線)相對與風扇兩側卡鉤之中心線轉動角度為±5度, 如第二頁參考圖所示.
- ▽ 8.風扇兩側卡鉤需扣在AL HS兩側剖鉤凹槽中間部位, 風扇繞線後4根線不能鬆開, 如第二頁參考圖所示.
- 9.材料和制程必須符合富士康無鉛文件ES04-267.
- ▽ 10.標籤選用碳帶型號規格如右表所示:

注: 碳帶必須符合環保要求, 及無鹵要求

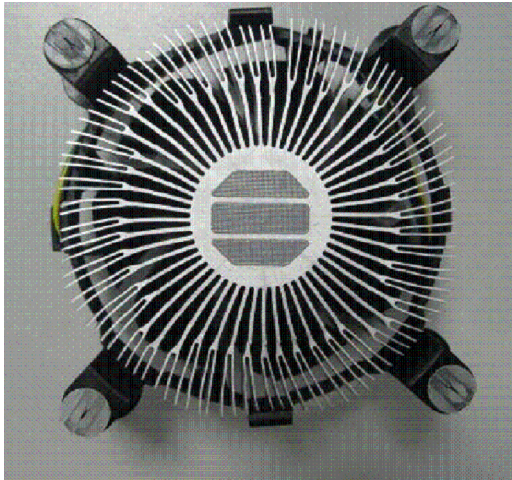
名稱	料號	供應商	規格型號	是否無鹵	使用廠區
墨水盒	0311004-0120081	多米諾	IR-270BK, 1.2L 黑色主墨水	N/A	南寧
溶劑盒	0311004-0120080	多米諾	MC-270BK, 825ML 黑色用溶劑	YES	南寧
墨水盒	0802014-0010391	多米諾	IR-228BK, 1.2L 黑色主墨水	N/A	南寧/佛山
溶劑盒	0105010-0010005	多米諾	MC-228BK, 825ML 黑色用溶劑	YES	南寧/佛山
碳帶	0802012-0010825	卓立	ZL602W 30mm*300mm 外碳	YES	南寧

6	1	THERMAL INTERFACE	H80162-001	2G1401L00	TC5630
5	4	FASTENER BASE	C33389-003	3ML38-003	N/A
4	4	FASTENER CAP	C33390-002	3ML38-004	N/A
3	1	EXTRUSION HEATSINK	E42014-001	2G2600A00	N/A
2	1	FAN	E42012-001	PVA100G12Q-P01-AA	FFB
1	1	Label	H27632-001	3C0146C00	ø30
ITEM	Q'TY	DESCRIPTION	CUSTOMER P/N	H H P/N	REFERENCE
X.	±1.00	X.* ±5.0°	CUSTOMER INTEL	MODEL DHA-B	FOXCONN TECHNOLOGY GROUP
.X	±0.50	.X*	CUSTOMER P/N.: E97379-003	Rev. N/A	TITLE: FAN HEAT SINK ASSY
.XX	±0.25	.XX*	UNIT'S: mm	APPD:	HON HAI P/N.: 1A21D7Q00-FBL
.XXX		.XXX*	MAT'L:	CHK :	DWG NO.: 1A21D7Q00-FBL
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			Q'TY:		Rev. XA01
				SCALE: 1:1	SHEET: 1 / 2

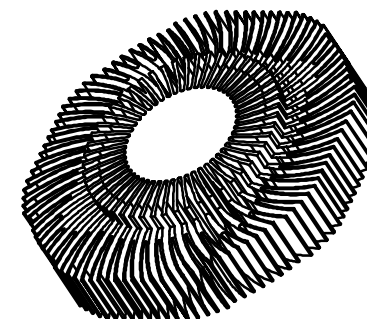




HF



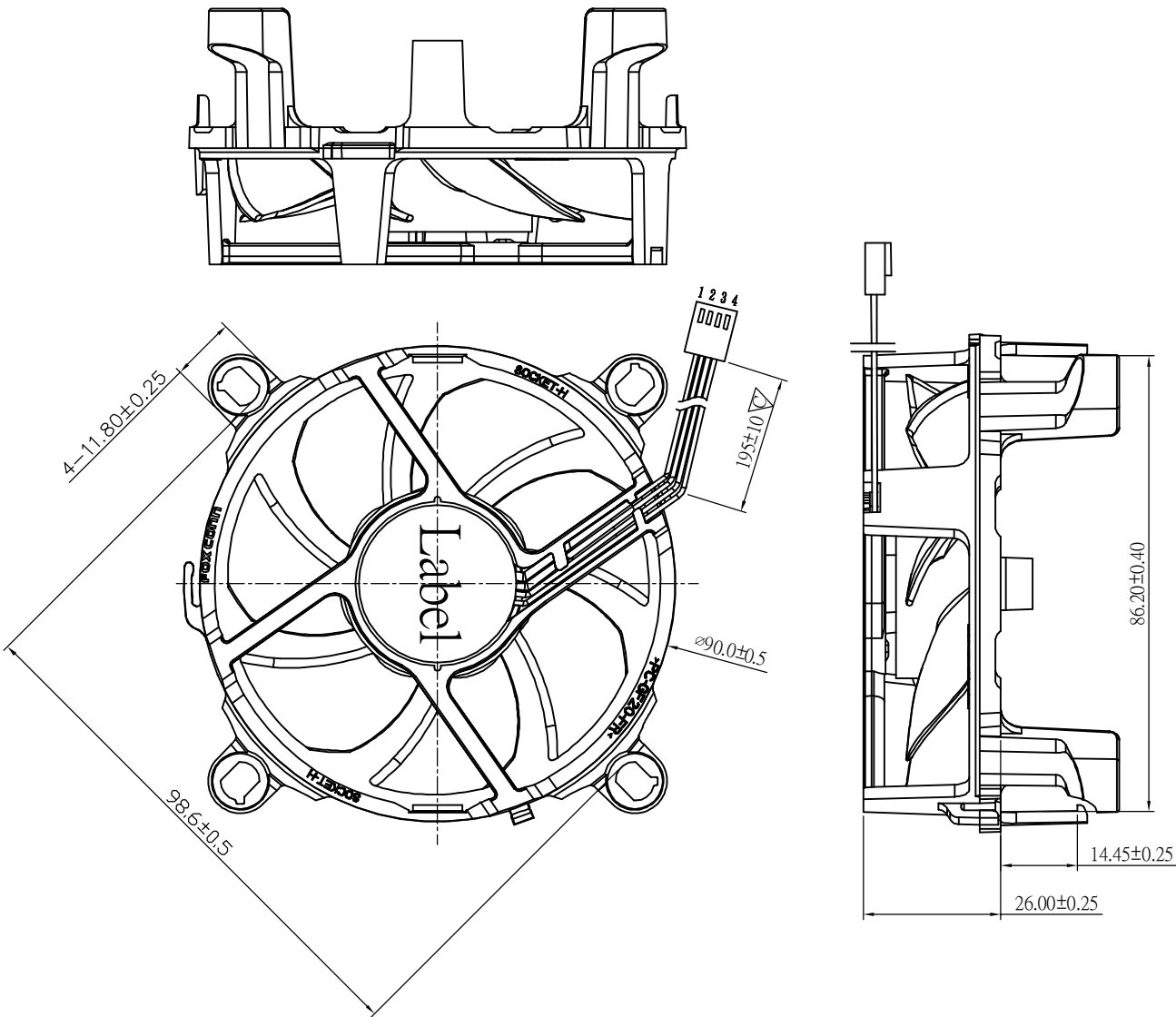
X.	±1.00	X.*	±5.0°		CUSTOMER INTEL	MODEL DHA-B	 FOXCONN TECHNOLOGY GROUP	
.X	±0.50	.X*			CUSTOMER P/N.: E97379-003		Rev. N/A	TITLE: FAN HEAT SINK ASSY
.XX	±0.25	.XX*		UNIT'S: mm	APPD:		HON HAI P/N.: 1A21D7Q00-FBL	Rev. XA01
.XXX		.XXX*		MAT'L:	CHK :		DWG NO.: 1A21D7Q00-FBL	Rev. XA01
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				Q'TY:				



1. 所有尺寸與公差參照 ASME Y14.5M-1994.
2. 材質：AL6063-T5 導電率：53%(最小).
3. 所有標示▽的尺寸為重點管控尺寸，必須在來料時檢查.
4. 材料硬度:經過T5熱處理后達到偉伯氏硬度 10~13°.
5. 表面色澤需一致，無灰塵、金屬碎屑、粘性物、油污、損傷及刮傷.
6. 材料和制程必須符合富士康無鉛文件ES04-267.
7. 散熱片 重量要求不低於90克.

X.		X.*			CUSTOMER INTEL	MODEL DHA-B	FOXCONN® FUZHUN PRECISION INDUSTRY (SHENZHEN) CO.,LTD.		
.X	±0.50	.X*	±5.0*		CUSTOMER P/N.: E42014-001	Rev. N/A	TITLE: EXTRUSION HEATSINK		
.XX	±0.25	.XX*					UNIT'S: mm		
.XXX		.XXX*			MAT'L: 	APPD:	HON HAI P/N.: 2G2600A00		Rev. XPC
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					Q'TY: 	DR :	SCALE: 1:1		SHEET: 1 / 1

1. 外觀尺寸圖



技術要求:

- 1、LEAD WIRE: UL3385 AWG#26;
- 2、HOUSING: JWT-A2543H00-4P, UL94V-0 或同等級(or Equivalent);
- 3、" ∇ "為QC重點檢測尺寸;
- 4、"*"表示Cpk重點管控尺寸;
- 5、"O"為規格變更標示, 圓形內添加文字代表變更時的圖面版次。
- 6. 此產品必須符合<<無鹵產品作業規範>>(EGA-18-01)。

LEAD WIRE SPEC:

Lead wire	Color	PCB焊接位置標示
PIN 1	BLACK WIRE (黑色線)	負極 G
PIN 2	YELLOW WIRE (黃色線)	正極 V
PIN 3	GREEN WIRE (綠色線)	FG信號 F
PIN 4	BLUE WIRE (藍色線)	PWM輸入 P

X.	± 0.2	X.°	$\pm 1^\circ$		CUSTOMER INTEL	MODEL DHA-B	FOXCONN® FOXCONN TECHNOLOGY GROUP	
.X	± 0.1	.X°	$\pm 0.5^\circ$		CUSTOMER P/N.: E42012-001	Rev. A	TITLE: (PVA100G12Q-P01-AA) 成品組立規格	
.XX	± 0.05	.XX°	$\pm 0.1^\circ$	UNIT'S: mm	APPD:		HON HAI P/N.: PVA100G12Q-P01-AA	Rev. XP01
.XXX		.XXX°		MAT'L: N/A	CHK :		DWG NO.: 298-0000-1444	Rev. XP01
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				Q'TY: N/A				

2. 生產注意事項

- 2.1. 定子組立中,矽鋼片頂端到扇框底部貼紙面的距離(Y): 11.7±0.1mm
- 2.2. 成品風扇轉子不平衡量值(B)<0.030g (3410rpm), 生產時實際平衡校正參照<<轉子容許不平衡量工程標準規範>>EFS-099.
- 2.3 組立規範請參考: << (10025)[FFB] 無鹵風扇組立規範 >>(EFN-023)
ASSEMBLY CRITERION PLEASE REFERENCE:
(10025) [FFB] FAN ASSEMBLY CRITERION (EFN-023)
- 2.4. 測試治具+,-電源需並聯一顆 4.7uF (含)以上, 100V (含)以上之濾突波電容.
(ADD A CAPACITOR WHICH IS OVER 4.7 uF , 100V TO FILTER RIPPLE
CURRENT AT POWER POLARITIES IN PARALLEL ON TESTING FIXTURE.)
- 2.5 包裝要求參照<<1025風扇包裝作業規範>>(EFP-155)。
- 2.6 產品必須符合<<環保產品零組件及原材料環境管理物質管理規定>>(ESHWI-023)
(THE PRODUCT MUST MEET MANAGEMENT STANDARDS FOR ENVIRONMENT-RELATED
SUBSTANCE ESHWI-023.)
- 2.7 電流波形須符合《電氣特性測試規範》(EFI-1124): 電流波形判定標準
(THE CURRENT WAVEFORM MUST MEET ELECTRIC CHARACTERISTIC CRITERION (EFS-1124) :
CURRENT WAVEFORM CRITERION .)
- 2.8 FG信號須符合《電氣特性測試規範》(EFI-1124):
(THE FG SIGNAL MUST MEET ELECTRIC CHARACTERISTIC CRITERION (EFS-1124) :)
- 2.8.1 FG信號類型 :FG-4P-A
(FG SIGNAL CATEGORY: FG-4P-A)
- 2.8.2 FG信號高電平準位(V): 2 MIN
(FG SIGNAL HIGH LEVEL (V) : 2 MIN)
- 2.9 PWM信號須符合《電氣特性測試規範》(EFI-1124):
(THE PWM SIGNAL MUST MEET ELECTRIC CHARACTERISTIC CRITERION (EFS-1124) :
- 2.9.1 PWM信號佔空比 :正佔空比PWM信號
(PWM DUTYCYCLE: POSITIVE DUTY CYCLE PWM SIGNAL WAVEFORM)
- 2.9.2 PWM信號頻率: 25K
(PWM FREQUENCY (kHz) : 25K)

3. 可靠度測試條件及規格 (RELIABILITY TEST CONDITION & SPECIFICATION)

可靠度測試條件及規格參考組立規範: << (10025)[FFB] 無鹵風扇組立規範 >>(EFN-023)中標準品
測試條件及規格。

X.	±0.2	X.°	±1°		CUSTOMER INTEL	MODEL DHA-B	FOXCONN® FOXCONN TECHNOLOGY GROUP	
.X	±0.1	.X°	±0.5°		CUSTOMER P/N.: E42012-001		Rev. A	TITLE: (PVA100G12Q-P01-AA) 成品組立規格
.XX	±0.05	.XX°	±0.1°	UNIT'S: mm	APPD:		HON HAI P/N.: PVA100G12Q-P01-AA	Rev. XP01
.XXX		.XXX°		MAT'L: N/A	CHK :		DWG NO.: 298-0000-1444	Rev. XP01
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				Q'TY: N/A				

4. 成品組立規格

(操作電壓：12 VDC，操作條件：25°C)
(OPERATION VOLTAGE：12 VDC AND OPERATION CONDITION: 25°C)

NO.	ITEM		SPEC FOR MODEL
4-1	SPEED (R.P.M.)		3100±10%
▽ 4-2	START VOLTAGE (VDC) (0%~100%DUTY CYCLE)		< 10.8
4-3	OPERATION CURRENT (A)		0.17±0.03
4-4	Max. AIR FLOW (M ³ /MIN.)		1.0 (0.9 Min.)
4-5	Max. STATIC PRESSURE (mmH ₂ O)		3.76 (3.05 Min.)
4-6	ACOUSTICAL NOISE (dB(A))		32.0 (35.0 Max.)
▽ 4-7	PWM DUTY CYCLE 0 %~20%	SPEED (R.P.M.)	1000±300
		CURRENT (A)	0.03±0.03
▽ 4-8	PWM DUTY CYCLE 100 %	SPEED (R.P.M.)	3100±10%
		CURRENT (A)	0.17±0.03
4-9	Polarity Protection		Circuit is protected when Positive & Negative are exchanged for 10 seconds, fan circuit will not be burned.
▽ 4-10	Auto-restart		Yes

X.	±0.2	X.°	±1°		CUSTOMER INTEL	MODEL DHA-B	FOXCONN® FOXCONN TECHNOLOGY GROUP	
.X	±0.1	.X°	±0.5°		CUSTOMER P/N.: E42012-001		Rev. A	TITLE: (PVA100G12Q-P01-AA) 成品組立規格
.XX	±0.05	.XX°	±0.1°	UNIT'S: mm	APPD:		HON HAI P/N.: PVA100G12Q-P01-AA	Rev. XP01
.XXX		.XXX°		MAT'L: N/A	CHK :		DWG NO.: 298-0000-1444	Rev. XP01
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				Q'TY: N/A				