



安勤科技股份有限公司

## APPROVAL SHEET

NO.APP-14-01275

申請種類: Update承認

Update

料號	E1961211015000R
品名	Heatsink for CPU AL 80*42*15 1.5W A1 SMA-IMX6 FOR SOLO 鑫旭

製造商	鑫旭
廠商型號	E1961211015000R

Update 原因說明	1.修改原因:廠商製程變更。 2.僅抽換所有照片，其餘不變。
庫存說明	不影響庫存。
其它	

## 安勤科技 測試報告

測試日期	2014-07-03 05:27:30		測試樣品數	3 PCS
測試項目	項目	測試條件		結果
	外觀	核對實物與照片是否相符		Pass
	材質	依照承認圖面所標示的材質為檢驗標準		Pass
	電氣特性			
	機械強度			
	實裝動作	與料件組裝檢驗		Pass
	破壞實驗			
	顏色	依照照片或圖面標示的顏色為檢驗標準		Pass
	尺寸	依照承認圖面所標示的尺寸為檢驗標準		Pass
	沾錫性			
	壽命實驗			
	安規			
	其它測試			
	使用儀器	游標卡尺		
備註				
測試結果	符合測試條件及規格			

安勒科技股份有限公司

正式承認

07/04/2014

資料中心

AVALUE TECHNOLOGY INC.



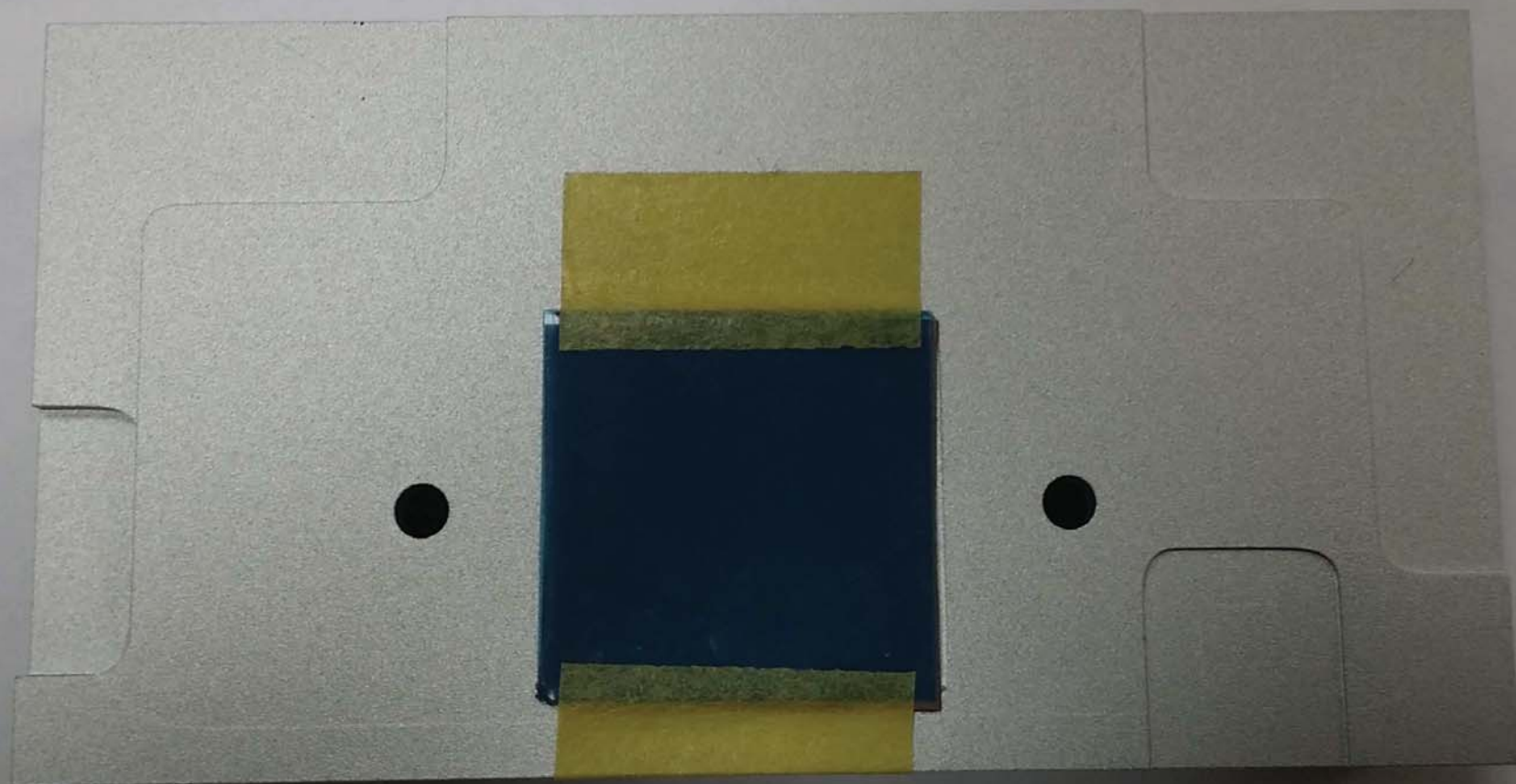
備註：

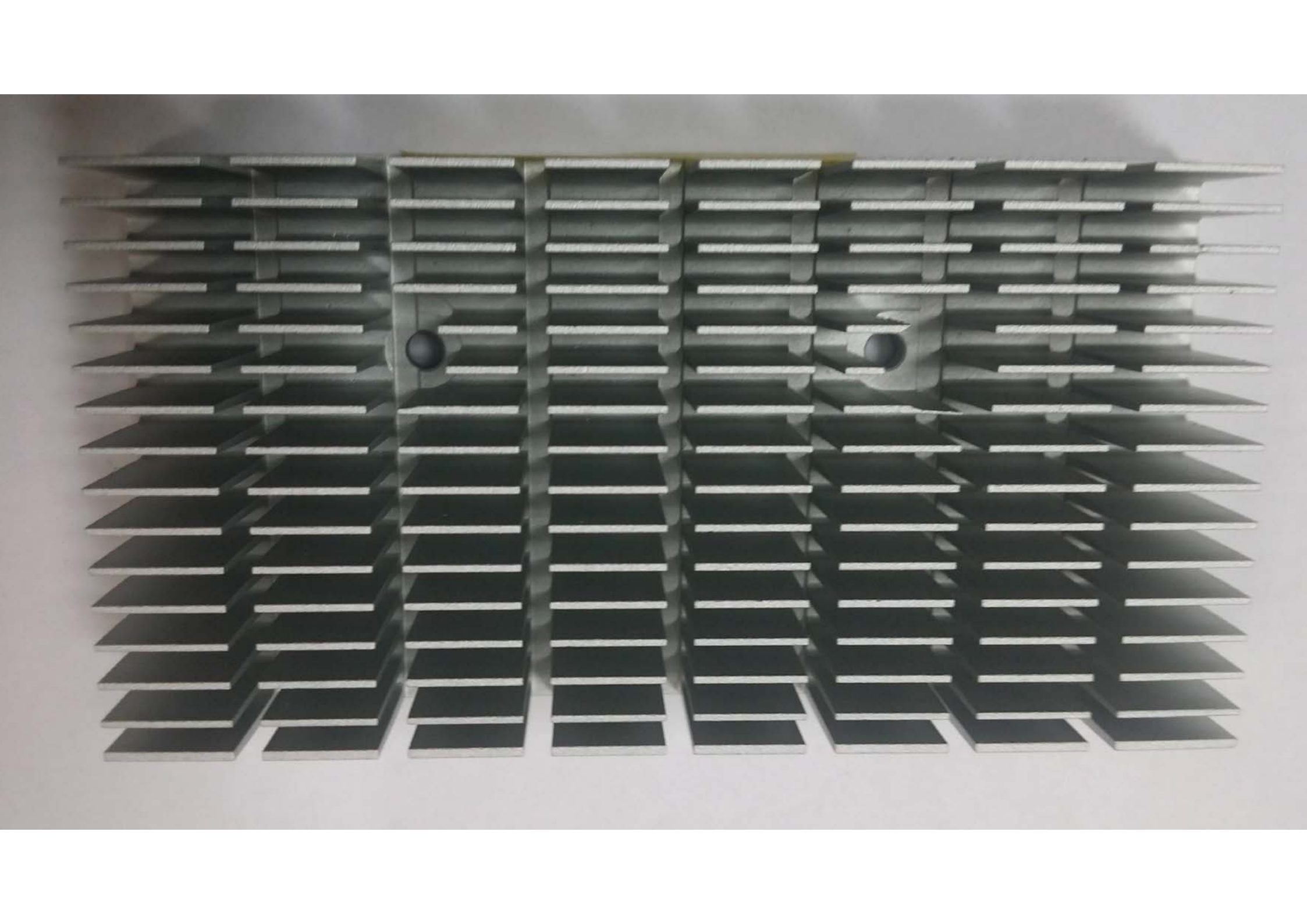
1. 申請人需先至GPM/管理/物料MCD設定/料號-審核狀態為通過，查詢此料已完成GREEN的承認，再辦理規格等承認。
2. 本單不能代替採購單及其它用途。
3. 如涉及專利及法律之問題，應由送樣廠商負全責。
4. 以下內容所註記，已經檢驗過並給予承認。
5. 申請承認需依料階符合「承認應備文件和檔案」

## Workflow

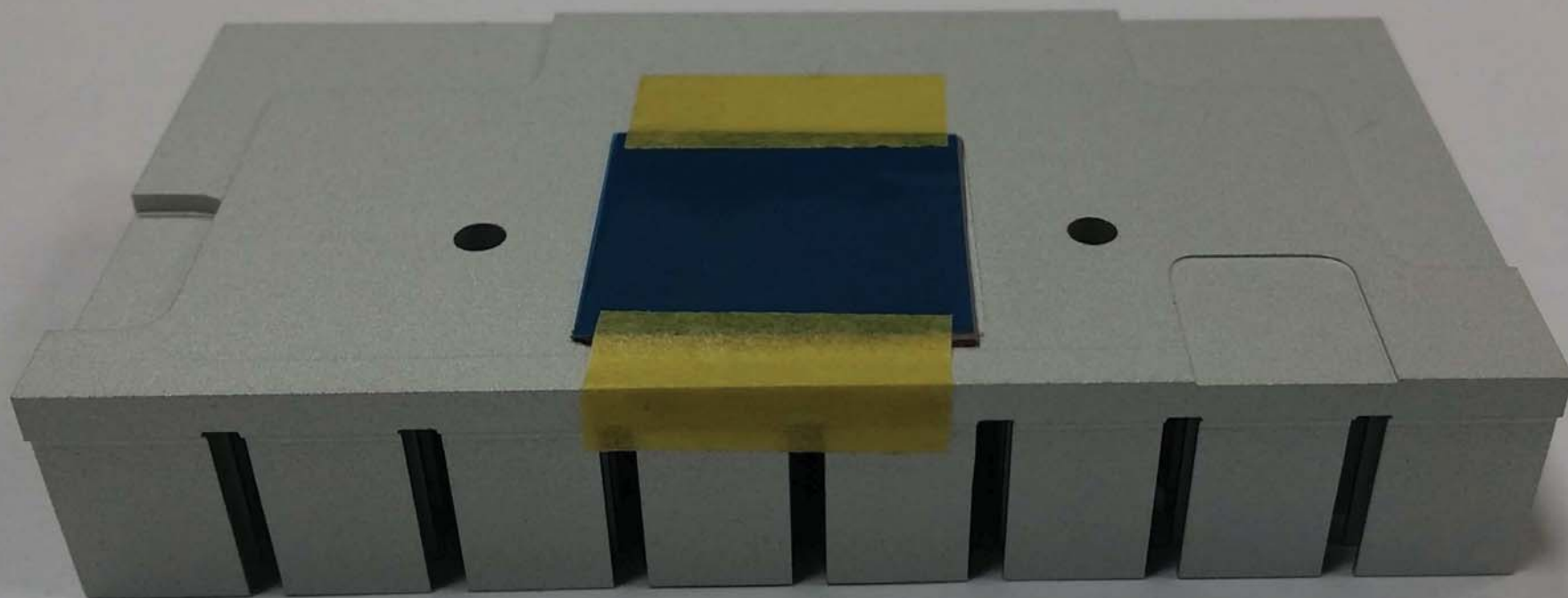
Workflow Status	Action	Signoff User	Local Client Time	Signoff Comments
Initial (填表人)		ME1 Kobe Chang (張道豐)	2014-07-03 13:28:27	
Manager Review	Approved	ME1 Kobe Chang (張道豐)	2014-07-03 13:33:27	
Manager Review	Approved	ME1 Manager Dragon Huang (黃文能)	2014-07-03 13:40:44	
PDC & QC	Approved	PDC Jane Hsu (許筠蓁)	2014-07-03 14:19:17	
PDC & QC	Approved	QA-QC Bochang Lian (連柏蒼)	2014-07-04 09:22:34	
PDC & QC	Approved	QC Chunta Yeh (葉俊達)	2014-07-03 13:59:33	
PDC Head	Approved	PDC Mandy Huang (黃意婷)	2014-07-04 09:41:07	

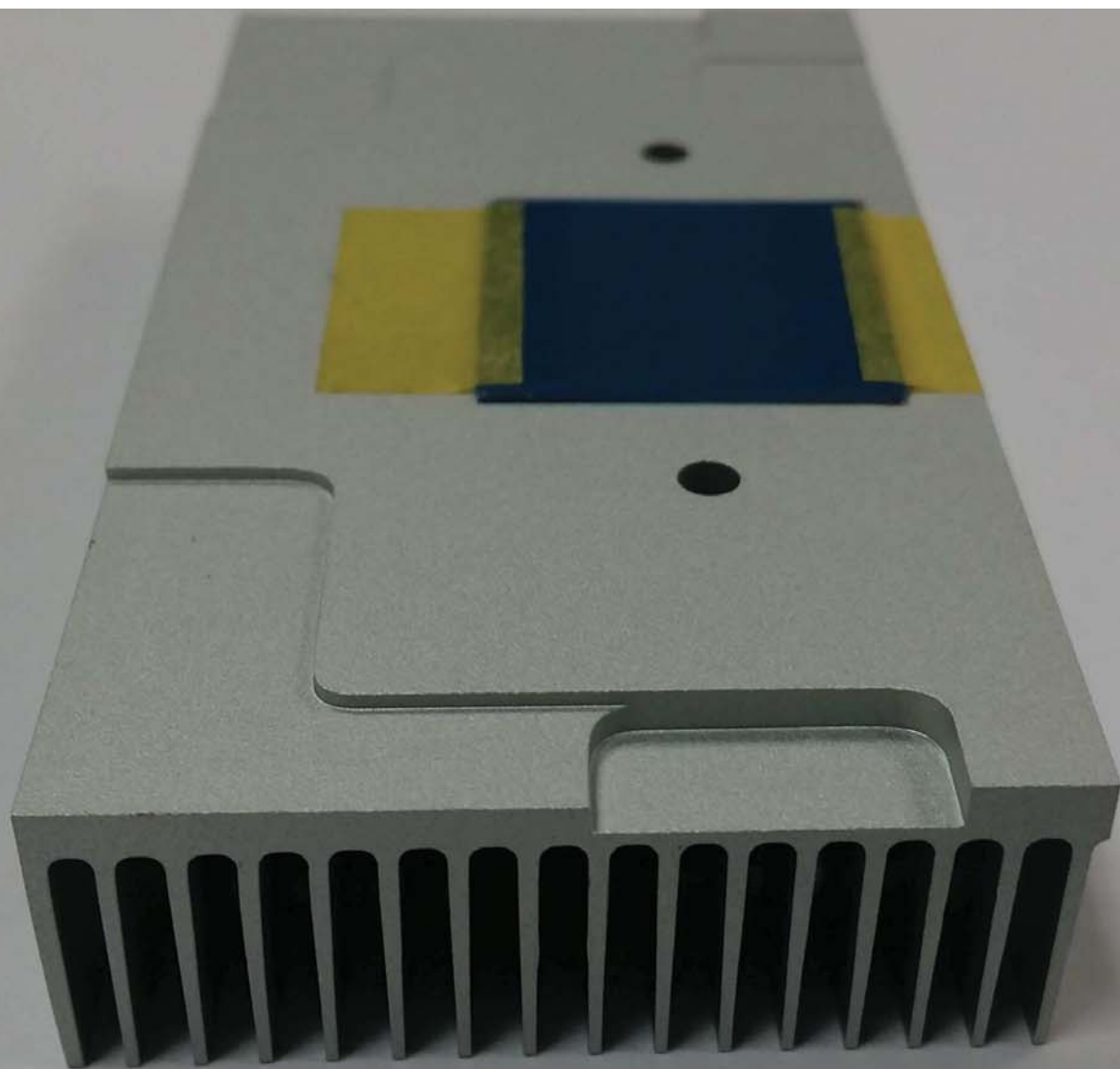


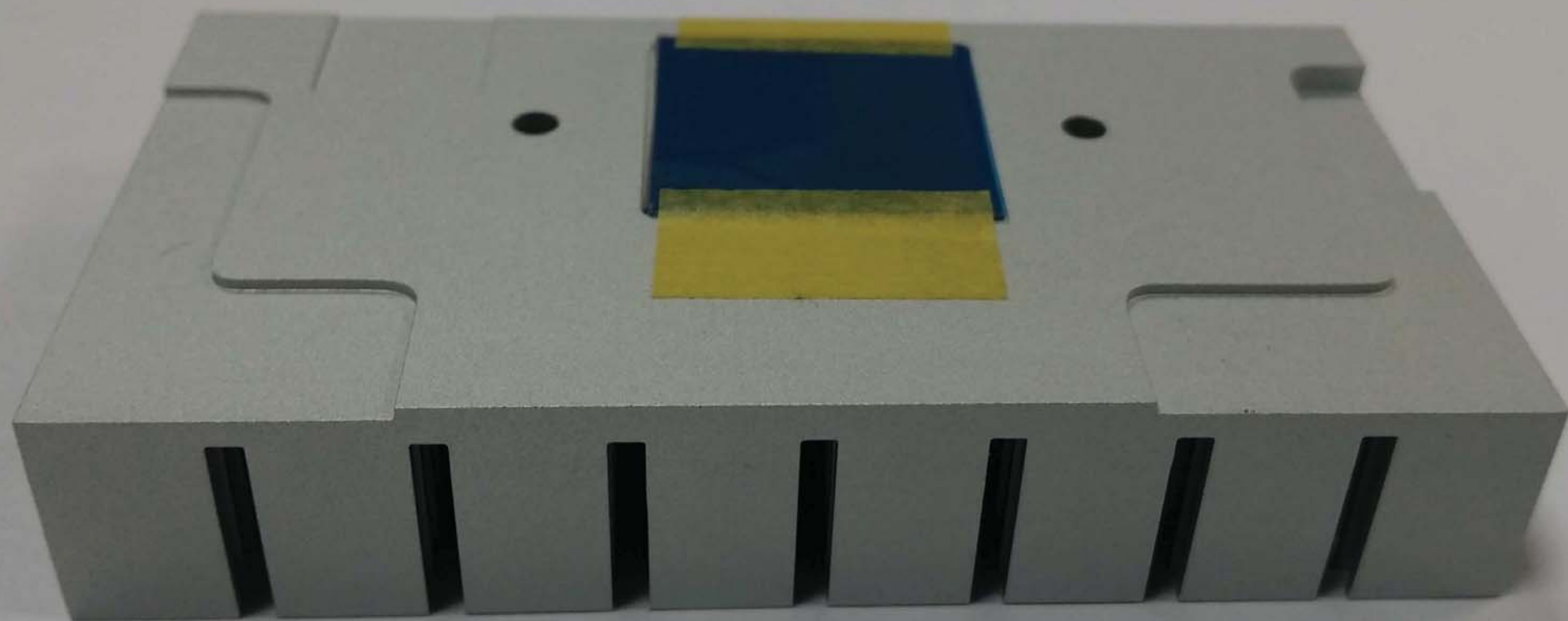




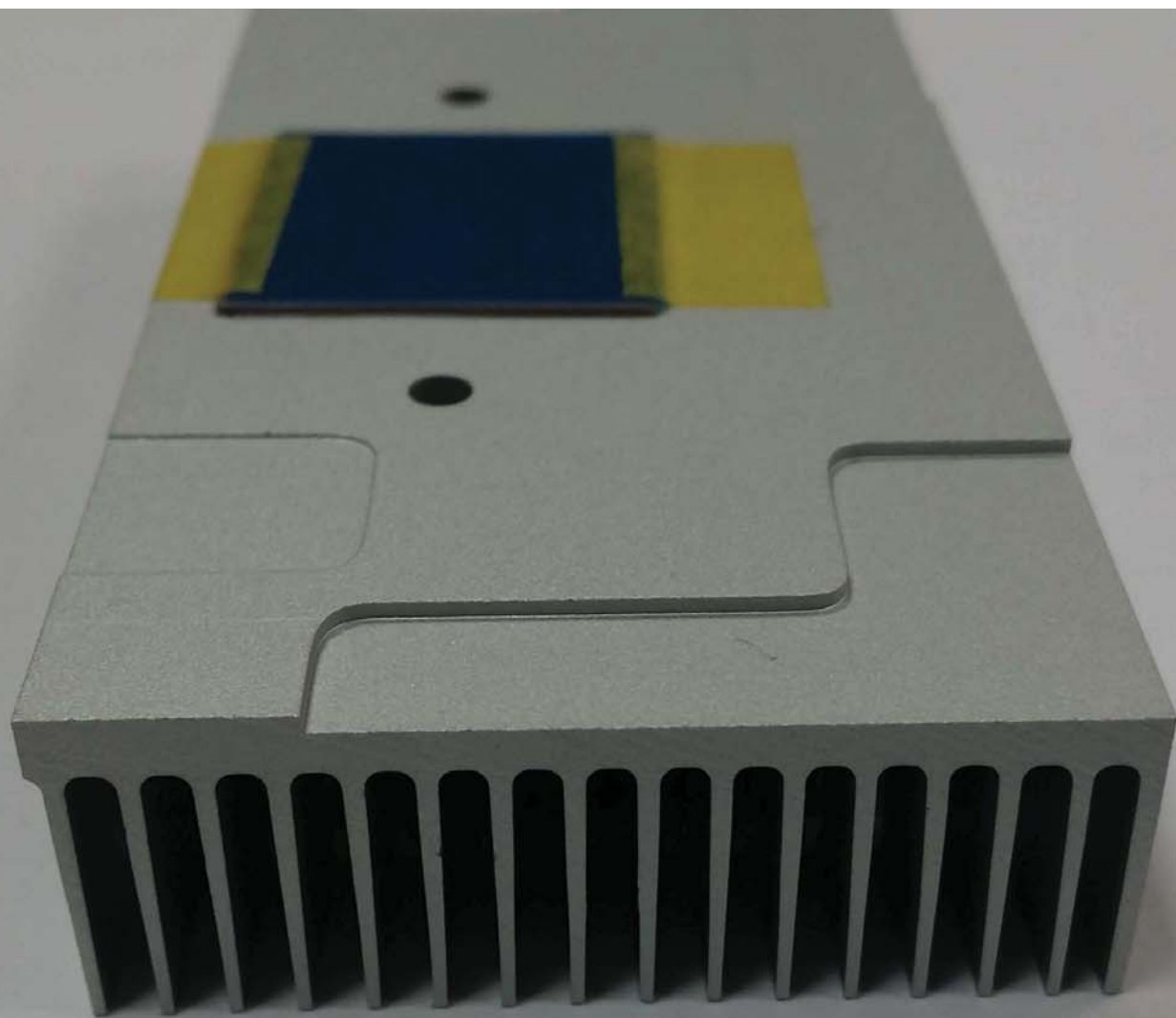












鑫旭科技股份有限公司

FZtech Inc.

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Tel: +886 2 2228-7885

Fax: +886 2 2228-8938

Website: [www.FZtech.com.tw](http://www.FZtech.com.tw)



# Approval Sheet

客戶名稱 CUSTOMER	安勤科技股份有限公司
客戶物料編號 CUSTOMER P/N	E1961211015000R

Issued by
Ruby.Chen

Approved by

Doc. No	FZT140210002
Issued Date	Feb.10.2014
Version	A1

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## Revision History

Data	Rev.	Description of change
2014/02/10	A1	First release



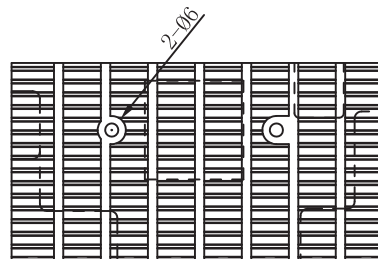
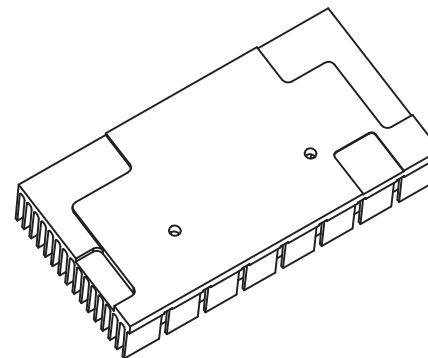
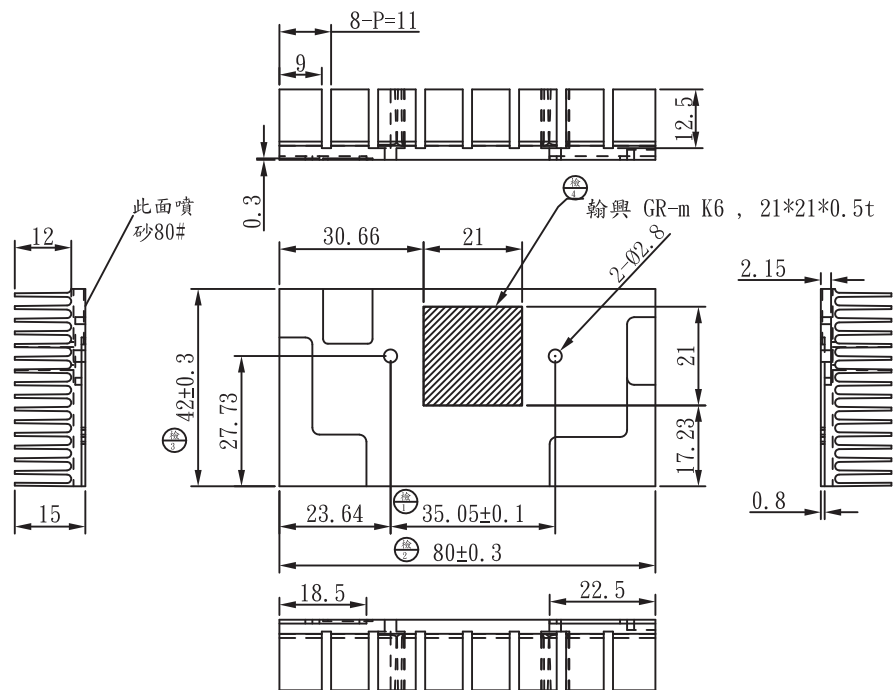


# 安勤科技股份有限公司

## 機構件承認書內容

項次	項目	內容
必備項目		
1	封面	依供應商樣品承認封面 (QD4-015) 執行
2	供應商承認書內容	指本頁
3	圖面	圖面內容： 1. 需簽署(核准)完整、標示完整(尺寸、公差、版本)。 2. 需註明顏色、色差值、材質、料厚、料號及材料所須之表面處理資訊。 3. 需標註重點尺寸。 4. 需說明注意事項或重點檢驗項目(變形量、髮絲方向、毛邊方向、防火等級)。 5. 電鍍品須註明電鍍材質、膜厚。
4	材質證明(含成分明細)	材質證明文件與物性表文件。
5	機構量測報告	FAI(全尺寸量測)
選用項目(請於下面方框中勾選)		
6	機構量測報告(沖壓模具品)	<input type="checkbox"/> Cpk
7	UL 證明文件(塑件)	<input type="checkbox"/> UL 文件、防火等級。
8	衝擊實驗(Shock Test)報告	<input type="checkbox"/> Made by 3rd party。
9	包裝規範	<input type="checkbox"/> 紙箱規格、包裝形式、堆疊方式、堆疊高度。
10	落下實驗(Drop Test)報告	<input type="checkbox"/> Made by 3rd party。
11	包裝震動實驗	<input type="checkbox"/> 主要為測試運輸過程是否造成損傷，以箱或棧板為基礎單位。
12		<input type="checkbox"/>
13		<input type="checkbox"/>

Note:  
Sink \*1  
翰興 GR-m K6 , 21\*21\*0.5t\*1



GENERAL TOL		A
>0		±0.1
>10		±0.1
>50		±0.15
>200		±0.3
>500		±0.5

Avalue	L	xx.xx	a	xx.xx	b	xx.xx
Vender	L	xx.xx	a	xx.xx	b	xx.xx
ΔE	≤ 1.5					

FZT No.	
Customer No.	E1961211015000R

Note:

錫極本色+噴砂80#

**FZtech™** FZtech Inc.  
Freezing Your Life www.FZtech.com.tw

MTL SPEC.

AL6063

UNSPECIFIED TOL'S  
XX.XX ±0.10  
XX.XX ±0.20  
XX.XX ±0.25  
ANGULAR ±1.00°

MODEL NO:

SMA-IMX6 For Solo

APPROVED BY Alan Lin 2014. 01. 20

CHECKED BY Mio 2014. 01. 20

DESIGN BY norman 2014. 01. 20

DRAWN BY norman 2014. 01. 20

UNIT

mm



SCALE

1:1

SIZE

A2

DRAWING NAME

Heatsink for CPU

DRAWING NO.

E1401a01

REV

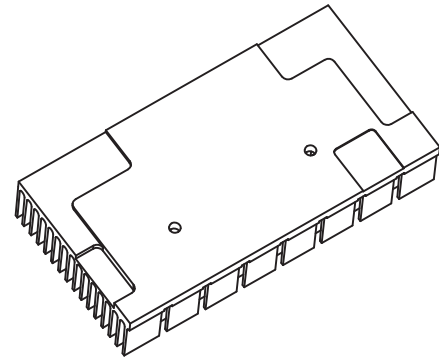
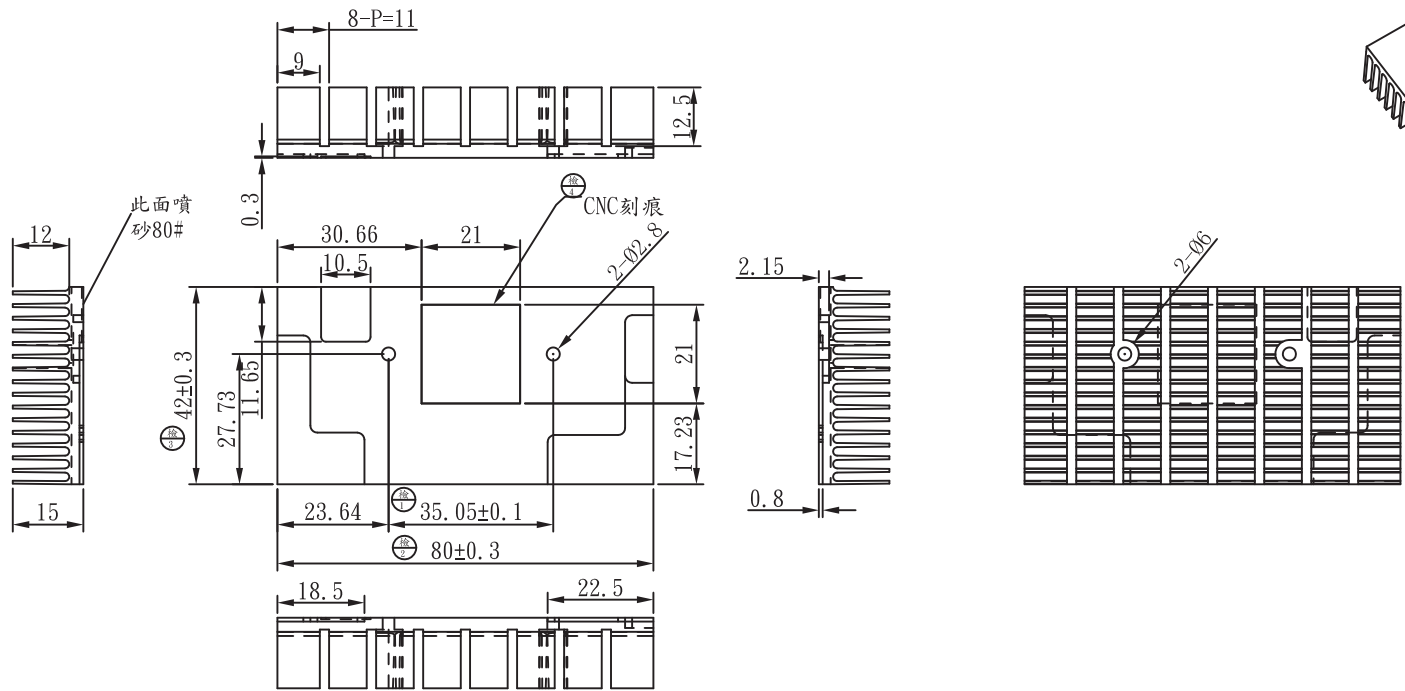
A

SHEET


1/1



REVISION		
MARK	DESCRIPTION	DATE



GENERAL TOL		A					
>0		±0.1					
>10		±0.1					
>50		±0.15					
>200		±0.3					
>500		±0.5					
Avalue		L	xx.xx	a	xx.xx	b	xx.xx
Vender		L	xx.xx	a	xx.xx	b	xx.xx
ΔE		≤ 1.5					
FZT No.							
Customer No.		E1961211015000R					

Note: 陽極本色+噴砂80#			<div>FZtech<sup>TM</sup> FZtech Inc. Freezing Your Life      www.FZtech.com.tw</div>		MTL SPEC.  AL6063		<div><div>UNSPECIFIED TOL'S XX.XX ±0.10 XX.XX ±0.50 XX.XX ±0.25 ANGULAR ±1.00°</div></div>		MODEL NO:  SMA-IMX6 For Solo		
APPROVED BY		Alan Lin	2014. 01. 20		UNIT mm	DRAWING NAME  Heatsink for CPU					
CHECKED BY		Mio	2014. 01. 20			DRAWING NO.					
DESIGN BY		norman	2014. 01. 20		SCALE 1:1	E1401-01				REV A	SHEET 1/1
DRAWN BY		norman	2014. 01. 20		SIZE A2						

鑫旭科技  
樣品檢驗記錄表

料號：	E1961211015000R				材質：	AL6063	型號：	SMA-IMX6 For Solo	日期：2014/1/28	
品名：	Heatsink for CPU								頁次：1	
No.	Drwg. Loc.	DIMENSION SPECIFICATION			檢驗儀器 Checking instrument	量測值				
		General DIM.	+TOL.	-TOL.		1	2	3	4	5
1	D3	35.05	0.1	0.1	游標卡尺	35.1				
2	D3	80	0.3	0.3	游標卡尺	80.12				
3	C2	42	0.3	0.3	游標卡尺	42.04				
4	B4	GR-m K6 , 21*21*0.5t			游標卡尺	OK				
5										
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20										
備註：										



材料及工程實驗室-台北

## 試驗報告



報告編號：HK-12-07546XA

頁數：1 OF 1

報告日期：102 年 01 月 03 日

委託單位：巨旦科技股份有限公司  
 樣品名稱：鋁材x1 組  
 送驗人員：巨旦科技股份有限公司(陳姿樺)  
 收件日期：101 年 12 月 21 日  
 試驗日期：101 年 12 月 21 日~102 年 01 月 03 日  
 產品規範：依客戶提供試驗項目及要求實施之-CNS 2257(2009) 6063-T5  
 試驗方法：CNS 2111(1997),CNS 7094(1983),ASTM E1251-07  
 備註：以上資料由顧客提供(收件及試驗日期除外)

### 試驗結果：

樣品名稱	降伏強度	抗拉強度	伸長率(%)	硬度值
-	N/mm <sup>2</sup>	N/mm <sup>2</sup>	G.L.=50mm	HV(0.2)
鋁材	226	242	9	87
要求值(6063-T5)	110 以上	150 以上	8 以上	58 以上

化學成份(%)	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
鋁材	0.43	0.18	0.03	0.02	0.54	0.01	0.06	0.02	98.69
要求值(6063)	0.20 ~0.6	0.35 以下	0.10 以下	0.10 以下	0.45 ~0.9	0.10 以下	0.10 以下	0.10 以下	餘額

★本試驗報告為 HK-12-07546X 之加發報告，加發日期 102 年 01 月 03 日。

----- oOo -----

規範要求值僅供參考，合格之判定以委託單位實際要求為準。

報告簽署人

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MATERIAL SAFETY DATA SHEET

Revision Date: Oct. 14, 2008

1. Chemical Product & Company Information

PRODUCT NAME : Sarcon GR-m, GR-Hm  
MANUFACTURE'S NAME : Fuji Polymer Industries Co., Ltd. Aichi Plant  
ADDRESS : 175 Kajiyashiki-cho Toyota-shi Aichi, Japan  
TELEPHONE NUMBER : +81-565-65-2121 (Aichi Plant / Quality Assurance Dept.)

2. Composition/Information on Ingredients

Chemical characterization : Mixture  
Generic Name : Silicone Rubber

Ingredients and Contents :

Silicone polymer	6%	(CAS No. unknown)
Aluminum oxide	93%	(CAS No. 1344-28-1)
Diron trioxide	<1%	(CAS No. 1309-37-1)
Magnetite	<1%	(CAS No. 1309-38-2)
Additive		(CAS No. unknown)

3. Hazards Identification

Overall Hazardous Classification

Hazardous Properties : Not Hazardous. May cause minor irritation on skin contact.  
Environmental Effects : Not applicable.  
Physical and Chemical Risks : Not applicable.  
Hazard Classification : Not applicable.

4. First Aid Measures

In Case of Inhalation	: No information is available.	
In Case of Skin Contact	: No information is available.	Wash with water.
In Case of Eye Contact	: No information is available.	Immediately flush eyes with plenty of water and consult a doctor.
In Case of Ingestion	: No information is available.	Immediately induce vomiting and consult a doctor.

5. Fire Fighting Measures

Extinguishing Media : Water, dry chemical, carbon dioxide or foam  
Specific Hazards during Fire : None  
Specific Fire Fighting : Not required

6. Accidental Release Measures		
Methods for Cleaning or Taking up : Wear appropriate protective equipment.		
7. Handling and Storage		
Handling	:	Wear protective gloves.
Storage	:	Keep container closed when not in use. Keep away from heat and flame.
8. Exposure Controls/Personal Protection		
Control Concentration	:	None known
Industrial Hygiene Standard	:	None known
Engineering Controls		
Local Ventilation	:	None should be needed.
General Ventilation	:	Recommended.
Personal Protective Equipment		
Respiratory protection	:	None should be needed.
Eye protection	:	None should be needed.
Hand protection	:	Wear protective gloves. May cause minor irritation on skin contact.
Other Protective Clothing	:	None should be needed.
9. Physical and Chemical Properties		
Flash Point	:	Not determined.
Characteristics of Explosives	:	Not determined.
Boiling Point(°C)	:	Not determined.
Vapor Pressure(mmHg)	:	Not determined.
Vapor Density(AIR=1)	:	Not determined.
Specific Gravity	:	3.2
Melting Point(°C)	:	Not determined.
Evaporation Rate	:	Not determined.
Solubility in Water	:	Not soluble
Appearance and Odor	:	Color : Dark Reddish Gray      Odor : none
10. Stability and Reactivity		
Stability	:	Stable
Reactivity	:	Hazardous polymerization will not occur.
Condition to Avoid	:	None.



11. Toxicological Information		
Irritation (Skin, Eye)	:	No known applicable information
Sanitizers	:	No known applicable information
Acute Toxicity	:	No known applicable information
Chronic Toxicity	:	No known applicable information
Carcinogenicity	:	No known applicable information
Mutagenicity	:	No known applicable information
Reproductive Toxins	:	No known applicable information
Teratogens	:	No known applicable information
Other Information	:	No known applicable information
12. Ecological Information		
Biodegradation	:	No known applicable information
Bioaccumulation	:	No known applicable information
Aquatic Toxicity	:	No known applicable information
Other Information	:	None
13. Disposal Considerations		
Dispose of waste in accordance with local authority requirements.		
14. Transport Information		
Take goods in as to avoid any tumble, drop, and damage.		
15. Regulatory Information		
Fire Service Law	:	Non-dangerous substanses
PRTR	:	Not applicable
Industrial Safety and Health Law		
Notification Substance	:	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <u>Specific Number</u> 190 </div> <div style="text-align: center;"> <u>Notification Components</u> Aluminum oxide </div> </div>

16. Other Information

All technical information and data in this document is based on not tests and is believed to be accurate and reliable. Nevertheless, since the products described herein are not provided to conform with mutually accepted specifications and the use thereof is unknown, the manufacturer and seller of the product do not guarantee results, freedom from patent infringement, or suitability of the product for any application thereof. Also, content can be changed based on new knowledge. Product testing by the purchaser is recommended in order to confirm expected results. This product is used for industrial; therefore, any other use of the product which involves medical purpose and other process is responsibility of the user. Do not use the purpose of implant for human body or if there is any possibilities to remain in body.