



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Application:

- Intel Nehalem Socket 1366 2U
- Xeon (45nm) W5500/X5500/E5500/L5500 CPU sequence

Thermal & Mechanical Spec.:

- Thermal performance for 130W CPU
- HSK Assembly Weight: 590 g (ref.)
- Clipping Force: 16 Kgf (ref.)

Component Specification:

1. Heat Sink

Type: Cu/Al Fins + Cu Base + 4x Heatpipes
Material: A1100/ADC12/C1100 or Equivalent.
Dimension: 90*90*64 mm

2. Thermal interface material



Material: Dow Corning TC-5630 or Equivalent.

3. Fan

(60x60x25 mm with PWM Control)

Rated Voltage: 12 V

Life Time:

Two ball bearing 80000 hrs

Connector:

a. Lead wire: UL 1061 AWG#26

pin 1: black wire-----(-)

pin 2: yellow wire-----(+)

pin 3: green wire----- (F00)

pin 4: blue wire----- (PWM)

b. Housing: Molex 47054-1000 or equivalent

c. Terminal: Molex 2759T 08-50-0113 or equivalent

* *Specifications are subject to change without notice*

Pictures



* All readings are typical values at rated voltage.





APPROVAL SHEET

Customer Name .:

Model Name.: _____
COOLER

Delta Part No.: _____
FHS-A6025B01

Customer Part No.:

Spec Issue Date .: _____
12/31/2015

Spec Revision : 02

PLEASE SEND ONE COPY OF THIS SPECIFICATION BACK AFTER YOU
SIGNED APPROVAL FOR PRODUCTION PRE-ARRANGMENT.

Approved By: _____

Date: _____

Approval	Check	Designer
Alex-Hsia	Alex-Hsia	Charles Chen



Delta Electronics Corp.

REV.	Description	Drawn	Checked	Approved	Issue Date
00	ISSUE SPEC	Skyler-Huang 01/05'10	Charles Chen 01/05'09	Alex-Hsia 01/05'09	
01	1. CHANGE THE FAN P/N FROM 3620927211 TO 3620936511 2. CHANGE THE FAN LABEL P/N FROM 3266487800 TO 3266800100 3. MODIFY THE HEATPIPE P/N 4. CHANGE SCREW P/N FROM 3105464700 TO 3534205600 5. CORRECT THE CARTON SIZE	Skyler-Huang 07/24'13	Charles Chen 07/24'13	Charles Chen 07/24'13 3	
02	Change TIM from TC-1996 to TC-5630	Charles Chen 12/31'15	Alex-Hsia 12/31'15	Alex-Hsia 12/31'15	
Description: SAMPLE REVISION CODE LIST					
Part No.					REV
DELTA MODEL : FHS-A6025B01			TOTAL 33 PAGE		02



Delta Electronics Corp.

CONTENTS

Item	Element Description	Page	Note
1	Specification	5	
2	Print	6	
3	Packing Plan	21	
4	Fan	24	



Delta Electronics Corp.

1. SPECIFICATION

Characters

Item	Description
Scope	THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE FAN HEATSINK
Application	INTEL CPU COOLER
Specification	
a: Thermal Resistance	0.199 (°C/W) (REF.)
b: total weight	590g (REF.)
c: clip force	16 kgf (REF.)

BOM

Item	Part Name	Material	Part NO.	Q'TY	Remark
1	COVER	PC	3321021400	1	
2	FAN	PBT	3620936511	1	
3	HEATSINK	AL1050&CU1100	3346397100	1	
4	HEATPIPE	CU C1020	3460037000 3460037600 3460037700 3460037800	4	
5	SCREW	SUS	3534205600	4	
6	TIM	DOW TC-5630	4021107300	0.2 g	Rev02
7	SPRING	SWAP	3461809700	4	
8	CU BASE	CU1100	3346397300	1	
9	AL BASE	ADC12	3346397200	1	
10	FAN SCREW	SUS	3109182300	2	
11	E-CLIP	S20C	3110262800	4	



Delta Electronics Corp.

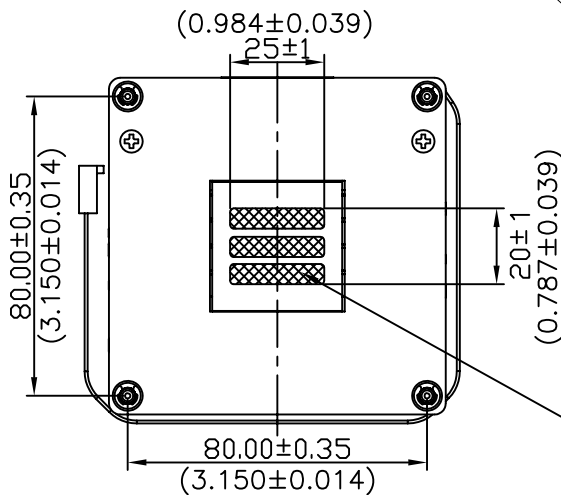
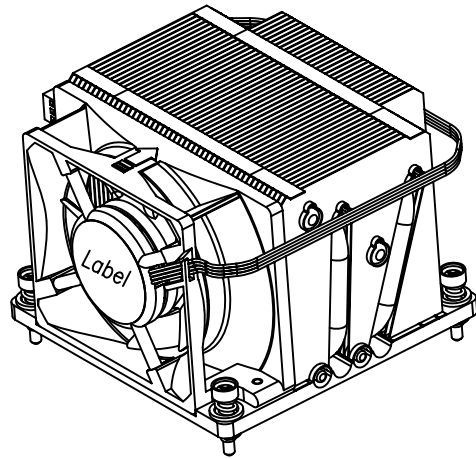
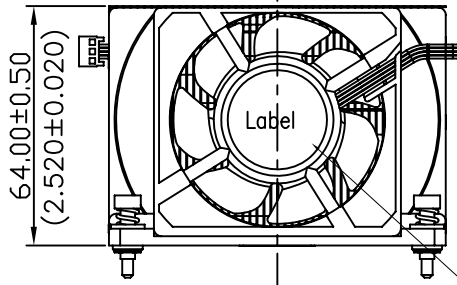
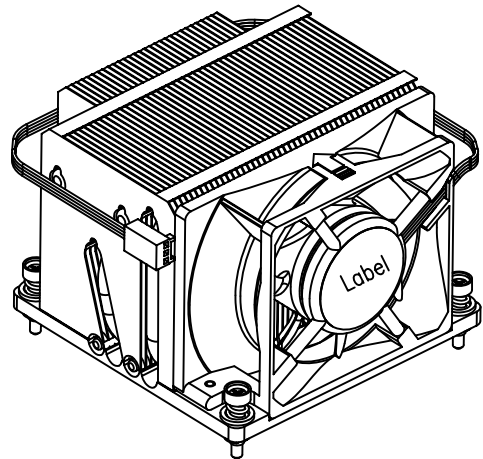
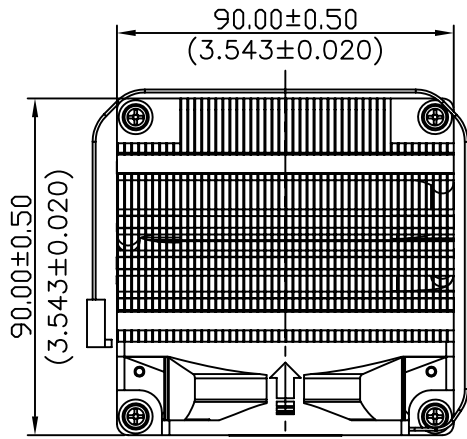
2. PRINT

Assembly Drawing

Parts Drawing

DRAWING:

UNIT: $\frac{\text{mm}}{\text{INCH}}$



FAN LABEL P/N: ~~3266487800~~
 \triangle 3266800100



Dow Corning TC-5630 P/N:4021107300
 TIM WEIGHT ON HSK MUST BE 200mg±30mg



台達電子工業股份有限公司
 DELTA ELECTRONICS, INC.

DELTA MODEL:
 FHS-A6025B01

Drawn:
 Charles Chen

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CUSTOMER NAME: -----

CUSTOMER P/N: -----

DIMENSIONAL TOLERANCES

HOLES: ±0.05 ANGLES: ±0.5°

()	()	()	()
<30	DECIMALS	UP-100	250-300
<30	±0.25	100-150	±0.2
>30-100	±0.35	150-200	±0.25
>100-300	±0.5	200-250	±0.3
ABOVE 300	±0.5	250-300	±0.4
	X	300-350	±0.45
	X.X	350-400	±0.5
	X.XX	400-600	±0.6
		600-900	±1.5
		900-OVER	±3.1



Description: PRODUCTION SPEC.
 (PHYSICAL DIMENSION)

A4
 SIZE

Part No. FHS-A6025B01-PD

REV.

SHEET 1 OF 2

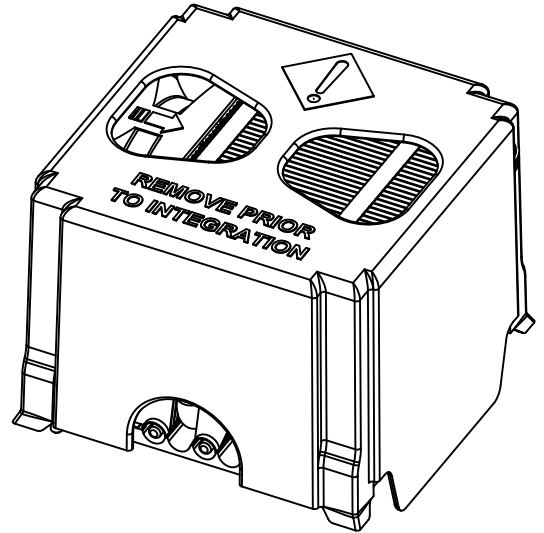
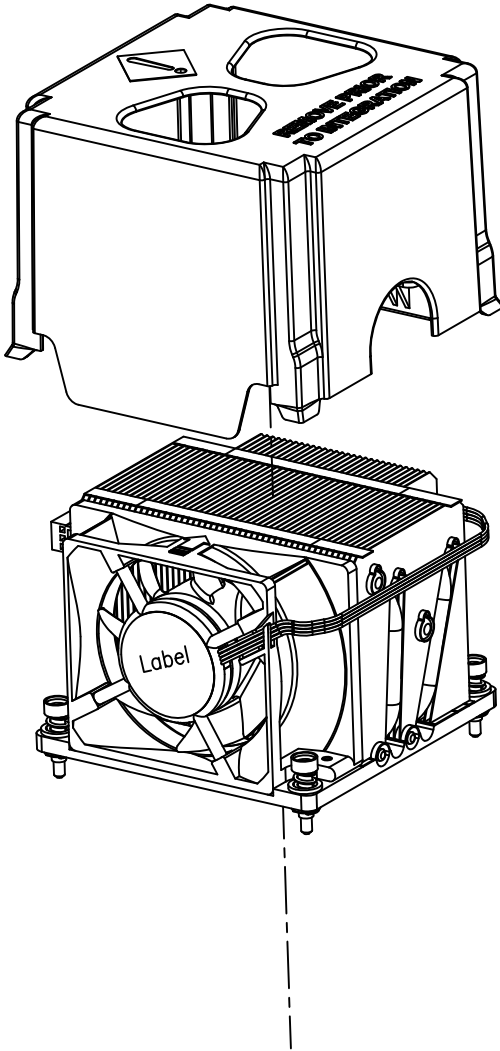
ISSUE DATE:

02

SCALE --- UNIT --- USED ON COOLER

DRAWING:

UNIT: $\frac{\text{mm}}{\text{(INCH)}}$



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DELTA ELECTRONICS, INC.

DELTA MODEL:
FHS-A6025B01

Drawn:
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CUSTOMER NAME: -----

CUSTOMER P/N: -----

DIMENSIONAL TOLERANCES

HOLES: ± 0.05 ANGLES: $\pm 0.5^\circ$

()	()	()	()
<30	± 0.25	DECIMALS	UP-100 ± 0.2 250-300 ± 0.4 UP-600 ± 1.5
>30-100	± 0.35	X ± 0.3	100-150 ± 0.25 300-350 ± 0.45 600-900 ± 2.4
>100-300	± 0.5	X.X ± 0.2	150-200 ± 0.3 350-400 ± 0.5 900-OVER ± 3.1
ABOVE 300	± 0.6	X.XX ± 0.1	200-250 ± 0.35



Description: PRODUCTION SPEC.
(PHYSICAL DIMENSION)

A4

Part No. FHS-A6025B01-PD

REV.

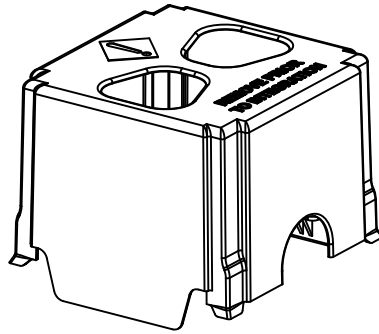
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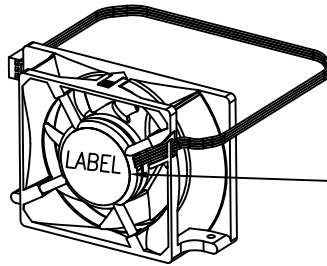
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SCALE --- UNIT --- USED ON COOLER

3

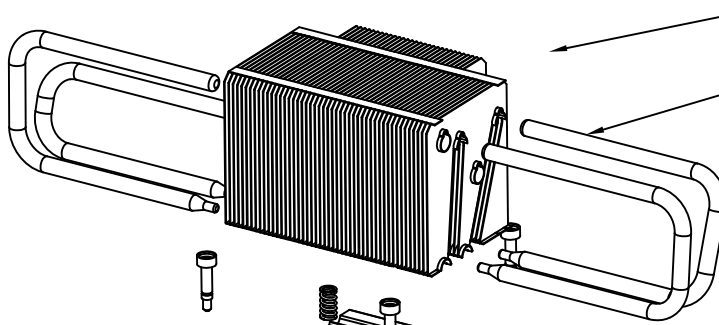


COVER
3321021400



FAN ASSY
~~3620927211~~
3620936511
FAN LABEL

△ 3266800100



FIN
3346397100

HEATPIPE (4X)

~~3460094500~~ △ 3460037000
~~3460094800~~ 3460037600
3460037700
3460037800

2

SCREW (4X)

~~3105464700~~
△ 3534205600

SPRING(4X)

3461809700

CU BASE

3346397300

AL BASE

3346397200

FAN SCREW(2X)

3109182300

TC-5630 △

4021107300

E CLIP(4X)

3110262800

1



台達電子工業股份有限公司
DELTA ELECTRONICS, INC.

DELTA MODEL:
FHS-A6025B01

Drawn:
Charles Chen

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CUSTOMER NAME: -----

CUSTOMER P/N: -----

DIMENSIONAL TOLERANCES

HOLES: ±0.05 ANGLES: ±0.5°

()	()	()	()
<30	±0.25	DECIMALS	UP-100 ±0.2
>30-100	±0.35	X ±0.3	100-150 ±0.25
>100-300	±0.5	X.X ±0.2	150-200 ±0.3
ABOVE 300	±0.6	X.XX ±0.1	200-250 ±0.35
			250-300 ±0.4
			300-350 ±0.45
			350-400 ±0.5
			600-900 ±1.5
			900-OVER ±3.1



Description: PRODUCTION SPEC.
(ASSEMBLY ORDER)

A4

Part No. FHS-A6025B01-AS

REV.

02

SCALE --- UNIT --- USED ON COOLER

SIZE

SHEET 1 OF 1 ISSUE DATE:

1

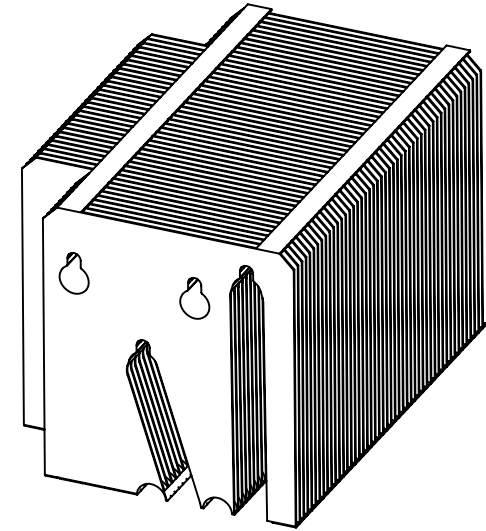
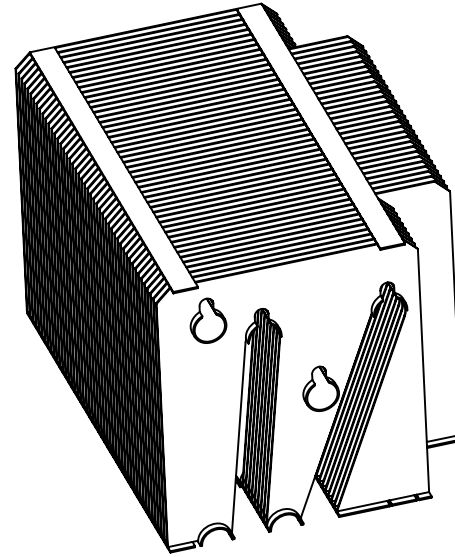
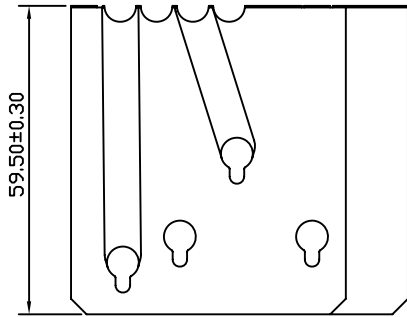
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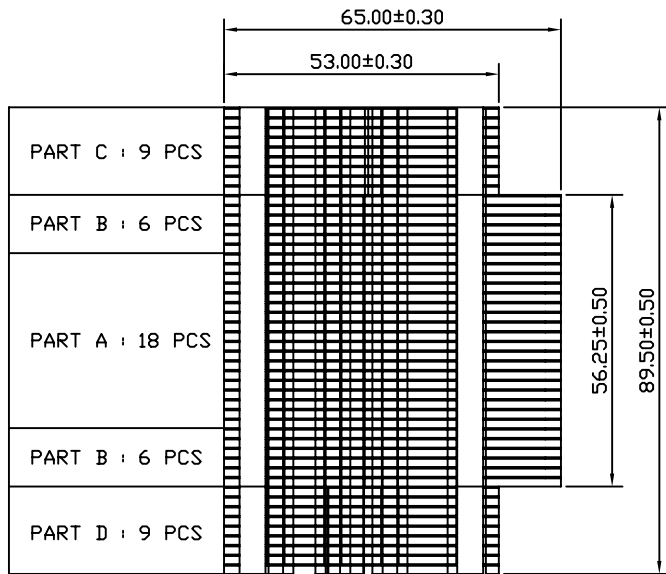
A

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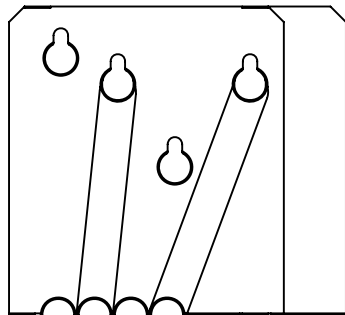


B

B



FASTENING AREA



- *1.SAMPLE TO BE SUBMITTED FOR DELTA ENGINEERING APPROVAL. PRODUCTION TO BE IN ACCORDANCE WITH APPROVAL SAMPLE.
- *2.REMOVE ALL BURRS AND SHARP EDGES. SURFACE TO BE FREE FROM CONTAMINANTS.
- *3.DEGREASED PART SHOULD BE FREE OF LOOSE PARTICLE.
- *4.UNDEFINED RADII IS SMALLER THAN 0.5R UNLESS OTHERWISE SPECIFIED.

C

C

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DIMENSIONAL TOLERANCES () () () () <30 ±0.25 DECIMALS UP~100 ±0.2 250~300 ±0.4 UP~600 ±1.5 >30~100 ±0.35 X ±0.5 100~150 ±0.25 300~350 ±0.45 600~900 ±2.4 >100~300 ±0.5 XX ±0.4 150~200 ±0.3 350~400 ±0.5 900~OVER ±3.1 ABOVE 300±0.8 XIX ±0.3 200~250 ±0.35		PART NO.: 3346397100	
SCALE	1/1	UNIT	mm
USED ON		COOLER	
SHEET		1 OF 5	
REV.		--	

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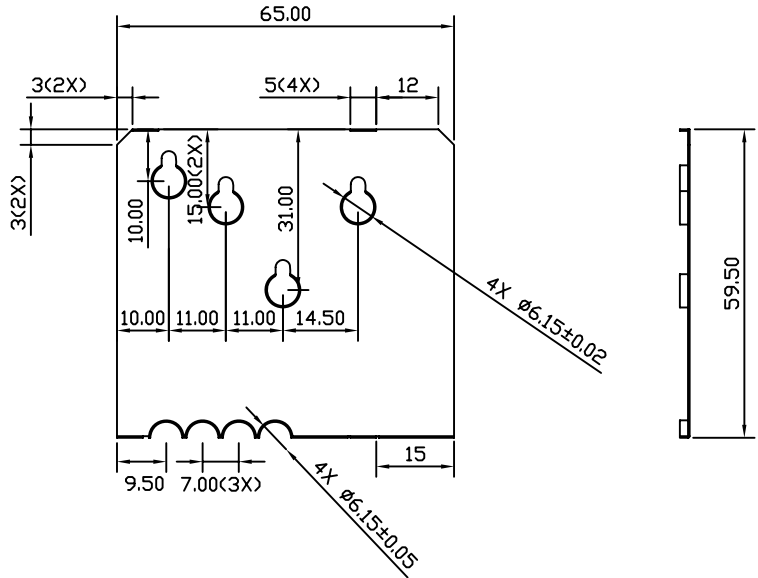
B

B


C

C

PART A



NOTES:
 *1.MATERIAL:C1100,THICKNESS 0.3±0.05 MM
 FINISH:NICKEL-PLATING

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DIMENSIONAL TOLERANCES () ±0.25 DECIMALS UP~100 ±0.2 250~300 ±0.4 UP~600 ±1.5 >90~100 ±0.35 X ±0.5 100~150 ±0.25 300~350 ±0.45 600~900 ±2.4 >100~300 ±0.5 XX ±0.4 150~200 ±0.3 350~400 ±0.5 900~OVER ±3.1 ABOVE 300 ±0.8 XXX ±0.3 200~250 ±0.35		PART NO.: 3346397100	
SCALE 1/1 UNIT mm USED ON COOLER		SHEET 2 OF 5	

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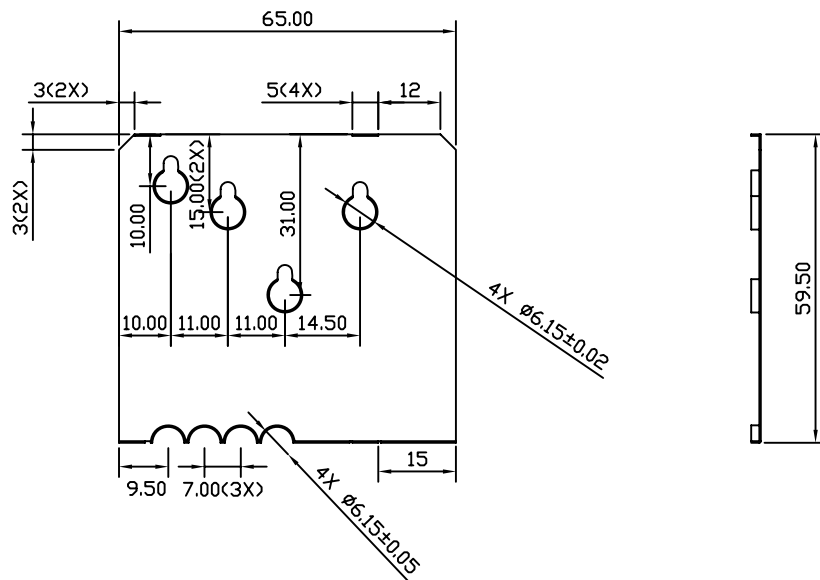
A

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C


C



PART B

NOTES:

*1.MATERIAL:ALUMINUM AL1050 OR AL1100,THICKNESS 0.3±0.05 MM
FINISH:NICKEL-PLATING

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DIMENSIONAL TOLERANCES () () () () <30 ±0.25 DECIMALS UP-100 ±0.2 250-300 ±0.4 UP-600 ±1.5 >30-100 ±0.35 X ±0.5 100-150 ±0.25 300-350 ±0.45 600-900 ±2.4 >100-300 ±0.5 XX ±0.4 150-200 ±0.3 350-400 ±0.5 900-OVER ±3.1 ABOVE 300 ±0.8 XXX ±0.3 200-250 ±0.35					PART NO.: 3346397100	
SCALE 1/1 UNIT mm USED ON COOLER					SHEET 3 OF 5	

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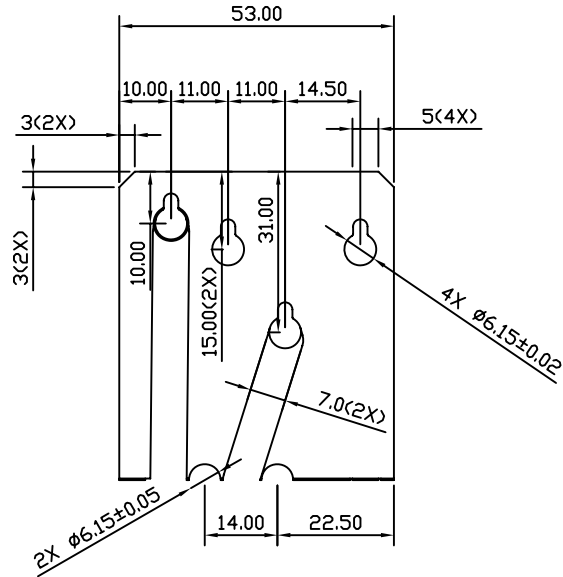
A

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C

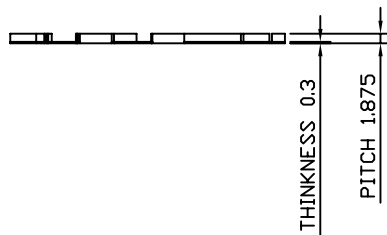
C




PART C

NOTES:

*1.MATERIAL:ALUMINUM AL1050 OR AL1100,THICKNESS 0.3 ± 0.05 MM
FINISH:NICKEL-PLATING



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DIMENSIONAL TOLERANCES () ± 0.25 DECIMALS UP-100 ± 0.2 250-300 ± 0.4 UP-600 ± 1.5 >90-100 ± 0.35 X ± 0.5 100-150 ± 0.25 300-350 ± 0.45 600-900 ± 2.4 >100-300 ± 0.5 XX ± 0.4 150-200 ± 0.3 350-400 ± 0.5 900-OVER ± 3.1 ABOVE 300 ± 0.8 XXX ± 0.3 200-250 ± 0.35		PART NO.: 3346397100	
SCALE 1/1 UNIT mm USED ON COOLER		SHEET 4 OF 5	

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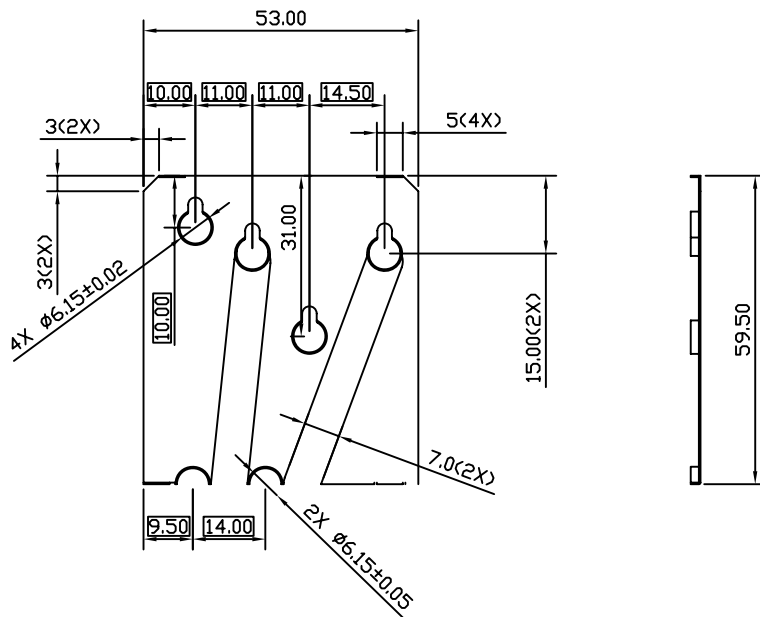
A

B

B

C



C



PART D

NOTES:

*1.MATERIAL:ALUMINUM AL1050 OR AL1100,THICKNESS 0.3±0.05 MM
FINISH:NICKEL-PLATING

 台達電子工業股份有限公司 DELTA ELECTRONICS, INC.		Drawn: Skyler Huang			
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DIMENSIONAL TOLERANCES () () () () (<30) ±0.25 DECIMALS UP~100 ±0.2 250~300 ±0.4 UP~600 ±1.5 >90~100 ±0.35 X ±0.5 100~150 ±0.25 300~350 ±0.45 600~900 ±2.4 >100~300 ±0.5 XX ±0.4 150~200 ±0.3 350~400 ±0.5 900~OVER ±3.1 ABOVE 300 ±0.8 XXX ±0.3 200~250 ±0.35		A3 SIZE			
SCALE	1/1	UNIT	mm	USED ON	COOLER
SHEET 5 OF 5					REV. --

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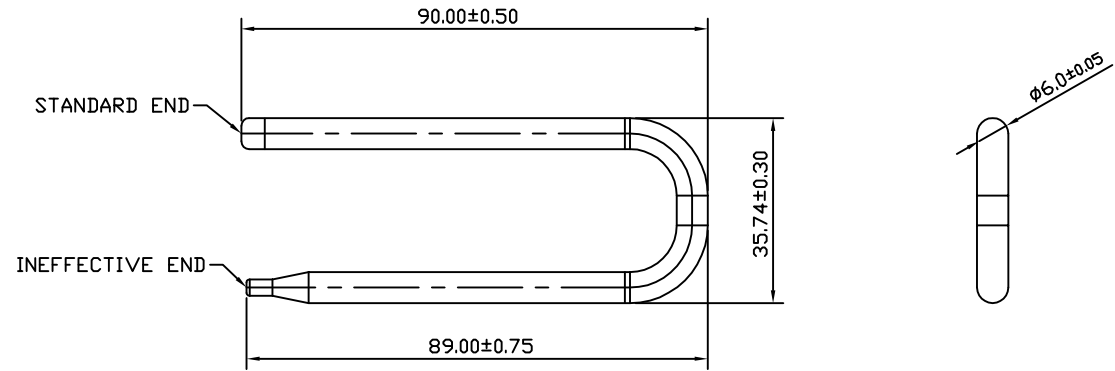
A

B

B



C

C



NOTES:

1.MATERIAL OF CONTAINER: ϕ 6mm OFHC(C1020),
FINISH:NONE

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DIMENSIONAL TOLERANCES () (V) () () <30 :±0.25 DECIMALS UP-100 :±0.2 250-300 :±0.4 UP-600 :±1.5 >30-100 :±0.35 X :±0.3 100-150 :±0.25 300-350 :±0.45 600-900 :±2.4 >100-200 :±0.5 X.X :±0.2 150-200 :±0.3 350-400 :±0.5 900-OVER :±3.1 ABOVE 300 :±0.6 X.XX :±0.1 200-250 :±0.35		PART NO.: 3460037000 REV. 00	
SCALE	UNIT	USED ON	SHEET 1 OF 1

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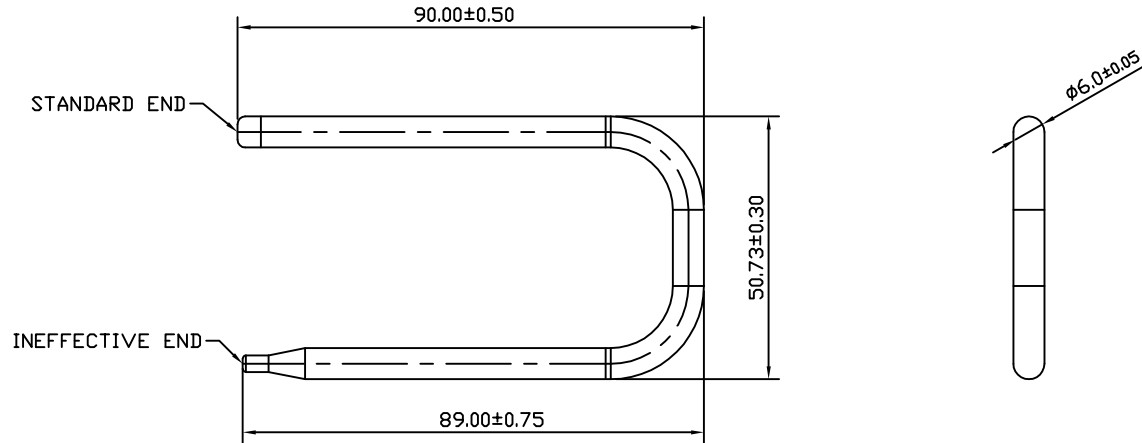
2

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A

A



B



B

NOTES:

1.MATERIAL OF CONTAINER: $\phi 6\text{mm}$ OFHC(C1020),
FINISH:NONE

C

C

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DIMENSIONAL TOLERANCES () (V) () () <30 :±0.25 DECIMALS UP-100 :±0.2 250-300 :±0.4 UP-600 :±1.5 >30-100 :±0.35 X :±0.3 100-150 :±0.25 300-350 :±0.45 600-900 :±2.4 >100-200 :±0.5 X.X :±0.2 150-200 :±0.3 350-400 :±0.5 900-OVER :±3.1 ABOVE 300 :±0.6 X.XX :±0.1 200-250 :±0.35		PART NO.: 3460037600	
SCALE	UNIT	USED ON	SHEET 1 OF 1 REV. 00

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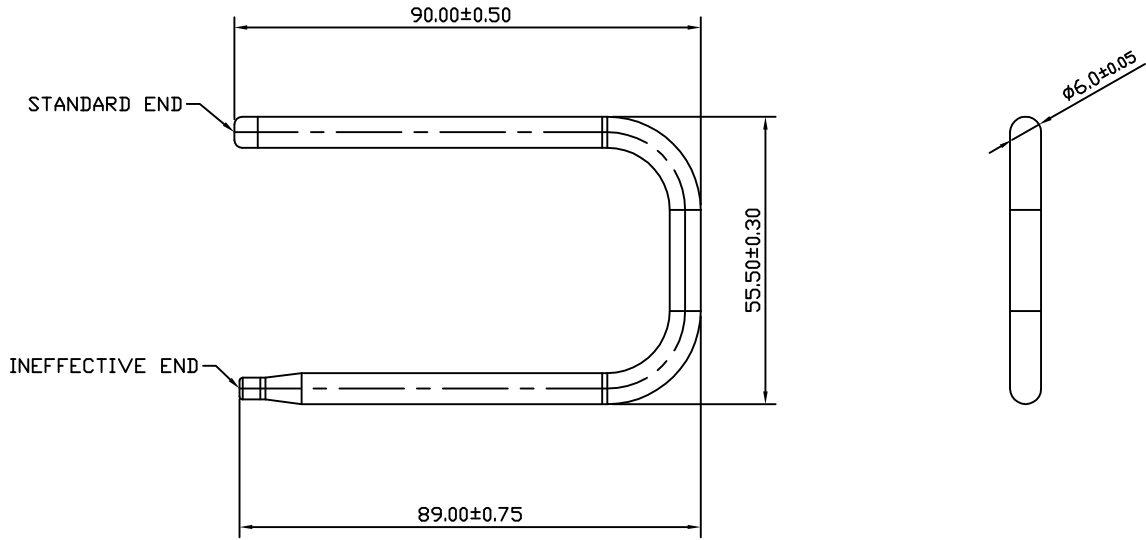
A

B

B



C

C



NOTES:

1.MATERIAL OF CONTAINER:φ6mm OFHC(C1020),
FINISH:NONE

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DIMENSIONAL TOLERANCES () () <30 :±0.25 DECIMALS UP-100 :±0.2 250-300 :±0.4 UP-600 :±1.5 >30-100 :±0.35 X :±0.3 100-150 :±0.25 300-350 :±0.45 600-900 :±2.4 >100-200 :±0.5 X.X :±0.2 150-200 :±0.3 350-400 :±0.5 900-OVER :±3.1 ABOVE 300 :±0.6 X.XX :±0.1 200-250 :±0.35		PART NO.: 3460037700 REV. 00	
SCALE	UNIT	USED ON	SHEET 1 OF 1

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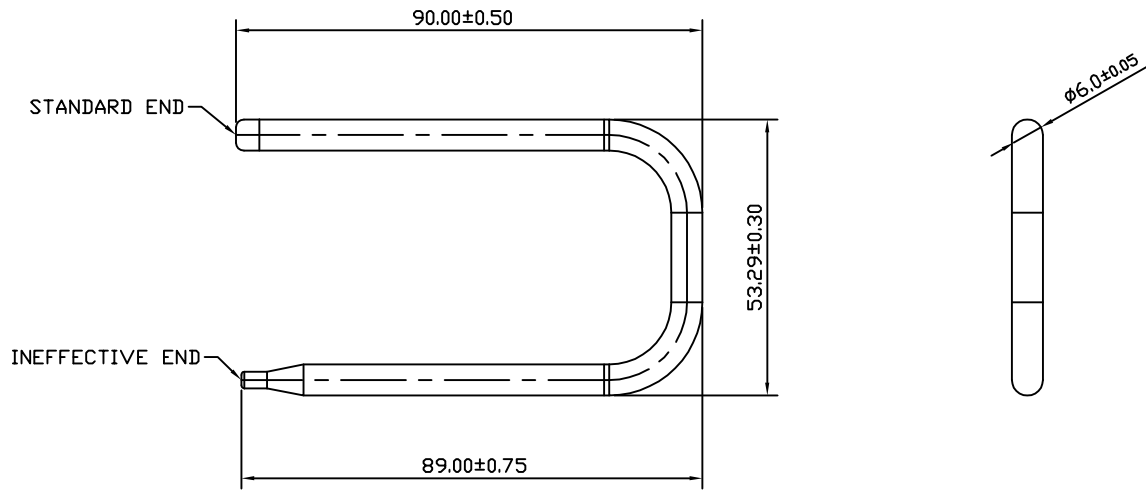
A

B

B

C

C



NOTES:

1.MATERIAL OF CONTAINER: 6mm OFHC(C1020),
FINISH:NONE

台達電子工業股份有限公司 DELTA ELECTRONICS, INC.		Drawn: Skyler Huang	
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DIMENSIONAL TOLERANCES () (V) () () <30 :±0.25 DECIMALS UP-100 :±0.2 250-300 :±0.4 UP-600 :±1.5 >30-100 :±0.35 X :±0.3 100-150 :±0.25 300-350 :±0.45 600-900 :±2.4 >100-200 :±0.5 X.X :±0.2 150-200 :±0.3 350-400 :±0.5 900-OVER :±3.1 ABOVE 300 :±0.6 X.XX :±0.1 200-250 :±0.35		PART NO.: 3460037800	
SCALE	UNIT	USED ON	SHEET 1 OF 1 REV. 00

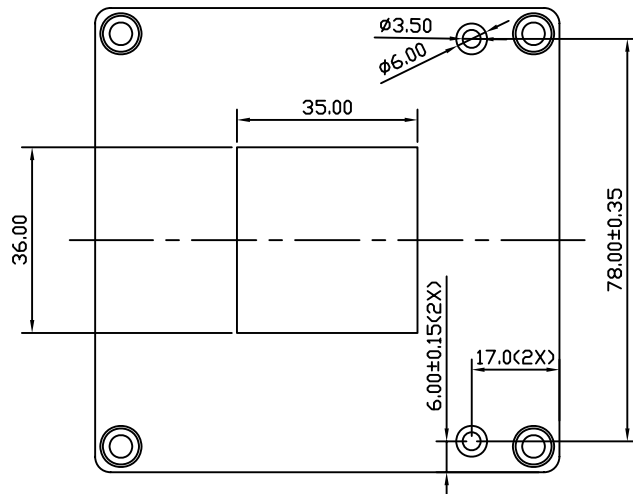
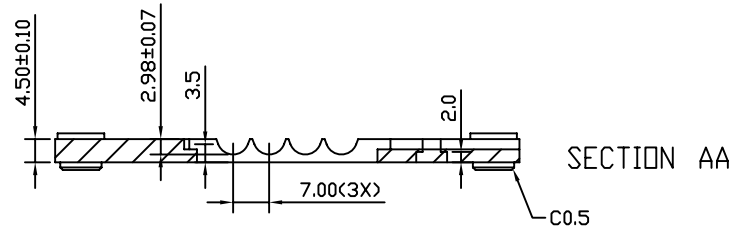
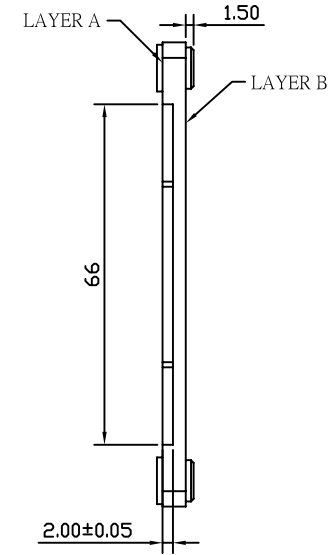
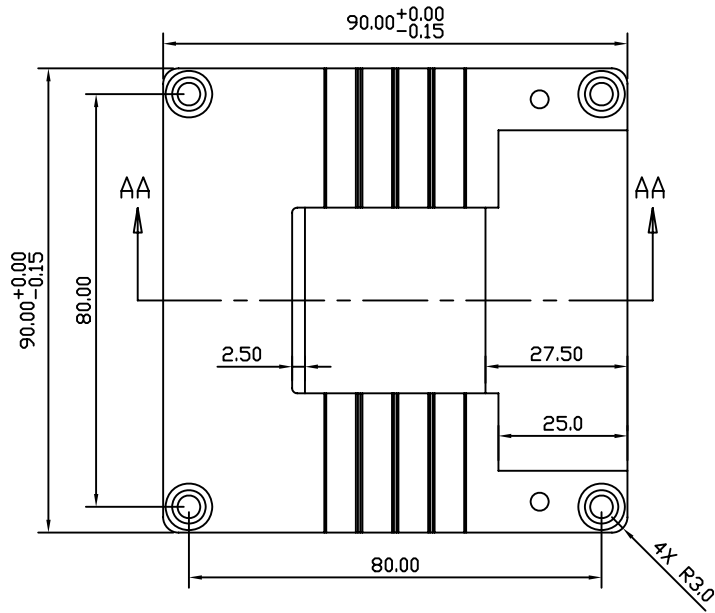
1

2


3

4

DRAWING:



NOTES:
*1.MATERIAL: ADC12

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DIMENSIONAL TOLERANCES () () () () <30 ±0.25 DECIMALS UP~100 ±0.2 250~300 ±0.4 UP~600 ±1.5 >30~100 ±0.35 X ±0.5 100~150 ±0.25 300~350 ±0.45 600~900 ±2.4 >100~300 ±0.5 XX ±0.4 150~200 ±0.3 350~400 ±0.5 900~OVER ±3.1 ABOVE 300 ±0.8 XXX ±0.50 200~250 ±0.35		PART NO.: 3346397200	
SCALE	1/1	UNIT	mm
USED ON	COOLER	SIZE	A3
SHEET 1 OF 1		REV. --	

1

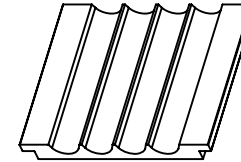
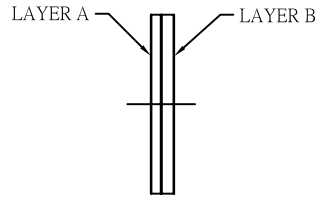
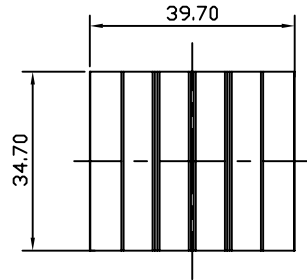
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3

4

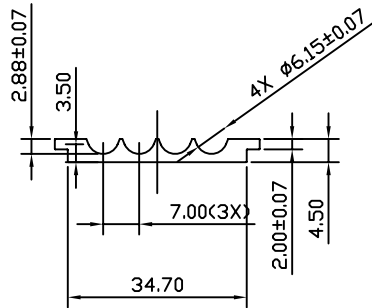
A

A



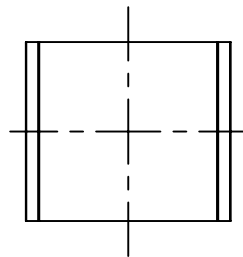
B

B





C

C



NOTES:

*1.MATERIAL: CU C1100, MIN THERMAL CONDUCTIVITY 390 W/(m K)
 THE CONDUCTIVE RATE MUST BE HIGHER THAN 95% IACS

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DIMENSIONAL TOLERANCES () () () () <30 ±0.25 DECIMALS UP~100 ±0.2 250~300 ±0.4 UP~600 ±1.5 >30~100 ±0.35 X ±0.5 100~150 ±0.25 300~350 ±0.45 600~900 ±2.4 >100~300 ±0.5 XX ±0.4 150~200 ±0.3 350~400 ±0.5 900~OVER ±3.1 ABOVE 300 ±0.8 XXX ±0.30 200~250 ±0.35		PART NO.: 3346397300	
SCALE	1/1	UNIT	mm
USED ON		COOLER	
SIZE A3		SHEET 1 OF 1	
		REV. --	

1

2

3

4



Delta Electronics Corp.

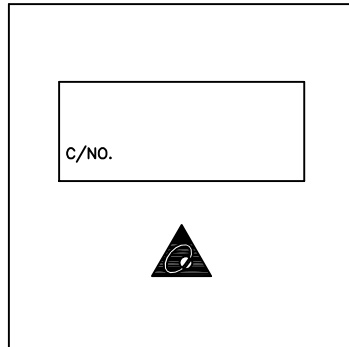
3. PACKING PLAN

Packing Specification

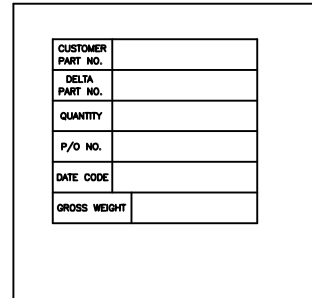
CARTON ILLUSTRATE	SIZE	450(L)*337(w)*196(H)(mm) △	PACKING QUANTITY	2LAYERS/CARTON
	MATERIAL	3 LAYERS"AB" FLUTE	CARTON WEIGHT	0.62 kg (REF.)

CARTON OUTSIDE ILLUSTRATE

FRONT

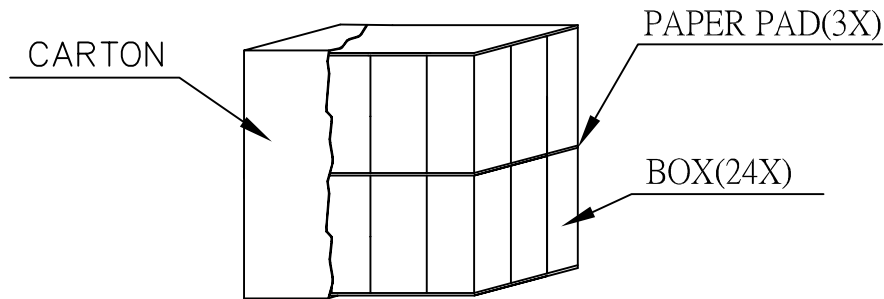


BACK



(ONE LABEL PER CARTON)

PET TRAY PACKING ILLUSTRATE	SIZE	104(L)*104(w)*18.5(H)(mm)	PACKING QUANTITY	1PCS/PET TRAY
	MATERIAL	PET TRAY		
	MATERIAL WEIGHT	6g (REF.)		



台達電子工業股份有限公司
DELTA ELECTRONICS, INC.

DELTA MODEL:
FHS-A6025B01

Drawn:
Skyler 07/24'13

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CUSTOMER NAME: -----
CUSTOMER P/N: -----

DIMENSIONAL TOLERANCES		HOLES : ±0.05		ANGLES : ±0.5°	
()	()	()	()	()	()
<30	±0.25	DECIMALS	UP~100 ±0.2	250~300 ±0.4	UP~800 ±1.5
>30~100	±0.35	X	±0.3	100~150 ±0.25	300~350 ±0.45
>100~300	±0.5	XX	±0.2	150~200 ±0.3	350~400 ±0.5
ABOVE 300	±0.6	XXX	±0.1	200~250 ±0.35	900~OVER ±3.1



Description: PRODUCTION SPEC.
(PACKING ASSMEBLY)

A4
SIZE

Part No. FHS-A6025B01-PA

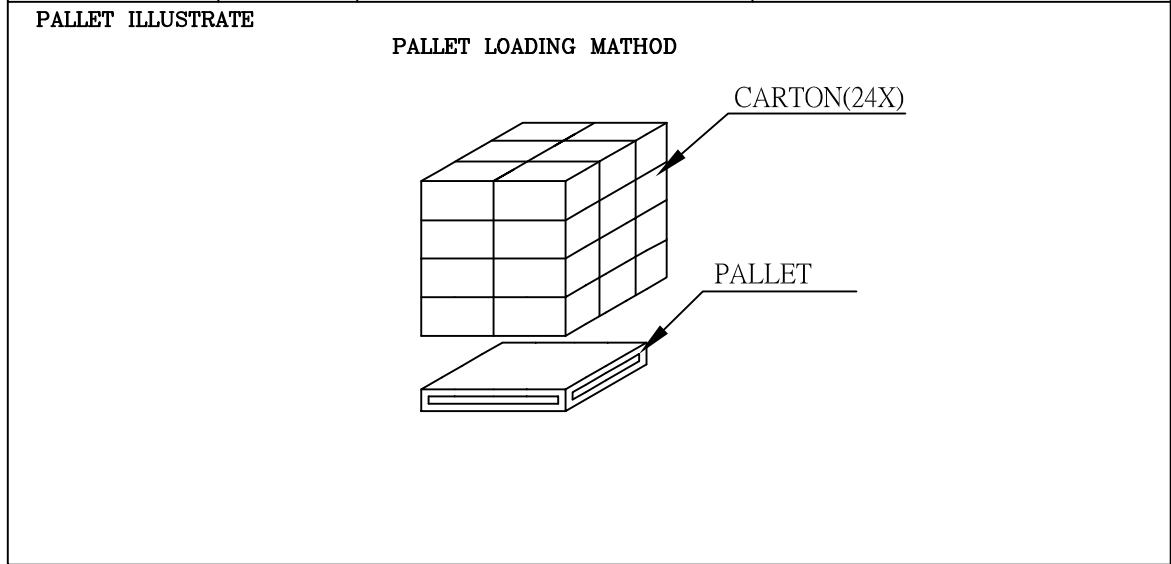
REV.
01

SCALE --- UNIT mm USED ON COOLER

SHEET 1 OF 2 ISSUE DATE:

PART NO.	FHS-A6025B01																	
BASIC DATA	QUANTITY/CARTON	24PCS (2 LAYERS/CARTON, 12PCS/LAYER)																
	PRODUCTION NET WEIGHT	14.2kg (REF.)																
	PRODUCTION GROSS WEIGHT	16kg (REF.)																
20(ft)CONTAINER ILLUSTRATE	SIZE	5.889(L)*2.352(w)*2.386(H)m		PACKING QUANTITY														
	CONTAINER	STEEL		20PALLET/CONTAINER														
CONTAINER FORM																		
CONTAINER LOADING MATHOD																		
<table border="1"> <tr> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> </tr> <tr> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> <td>PALLET</td> </tr> </table>				PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	<table border="1"> <tr> <td>PALLET</td> <td>PALLET</td> </tr> <tr> <td>PALLET</td> <td>PALLET</td> </tr> </table>	PALLET	PALLET	PALLET	PALLET
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PALLET	PALLET	PALLET	PALLET	PALLET														
PALLET	PALLET																	
PALLET	PALLET																	
TOP VIEW				FRONT VIEW														

PALLET LOADING ILLUSTRATE	SIZE	117(L)*107(w)*13(H)cm	PACKING QUANTITY	24 CARTONS/PALLET
	PALLET	WOOD		



台達電子工業股份有限公司 DELTA ELECTRONICS, INC.	DELTA MODEL:	FHS-A6025B01		Drawn:	Skyler 07/24'13	
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	CUSTOMER P/N:	-----				
DIMENSIONAL TOLERANCES () () () HOLES : ±0.05 ANGLES : ±0.5° <30 :±0.25 DECIMALS UP~100 :±0.2 250~300 :±0.4 UP~800 :±1.5 >30~100 :±0.35 X :±0.3 100~150 :±0.25 300~350 :±0.45 800~900 :±2.4 >100~300 :±0.5 XX :±0.2 150~200 :±0.3 350~400 :±0.5 900~OVER :±3.1 ABOVE 300 :±0.6 XXX :±0.1 200~250 :±0.35	Description: PRODUCTION SPEC. (PACKING ASSMEBLY)	Part No.	FHS-A6025B01-PA		REV.	01
SCALE --- UNIT mm USED ON COOLER	A4 SIZE	SHEET 2 OF 2	ISSUE DATE:			



Delta Electronics Corp.

4. FAN

Fan Specification

