



Delta Electronics Corp.

APPROVAL SHEET

Customer Name .: ---

Model Name.: HEATSINK

Delta Part No.: DHS-B9090-44

Customer Part No.: ---

Spec Issue Date .: 2011/10/19

Spec Revision : 00

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

Approved By: _____

Date: _____

Approval	Check	Designer
Charles. Chen	Charles. Chen	Sheila. Hu



Delta Electronics Corp.

REV.	Description	Drawn	Checked	Approved	Issue Date
00	ISSUE SPEC	Sheila.Hu 10/19'11	Charles.Chen 10/19'11	Charles.Chen 10/19'11	
Description:					
SAMPLE REVISION CODE LIST					
Part No.					REV
DELTA MODEL : DHS-B9090-44			TOTAL <u>10</u> PAGE		00



Delta Electronics Corp.

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Item	Element Description	Page	Note
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2	Print	5	
3	Packing Plan	8	



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1. SPECIFICATION

1.1. Characters

Item	Description
Scope	THIS SPECIFICATION DEFINES MECHANICAL CHARACTERISTICS OF THE HEATSINK
Application	INTEL LGA1366 CPU HEATSINK
Specification	
a: Thermal Resistance	0.268 (°C/W) (REF.)
b: total weight	375 g (REF.)
c: clip force	35 lbf (REF.)

1.2. BOM

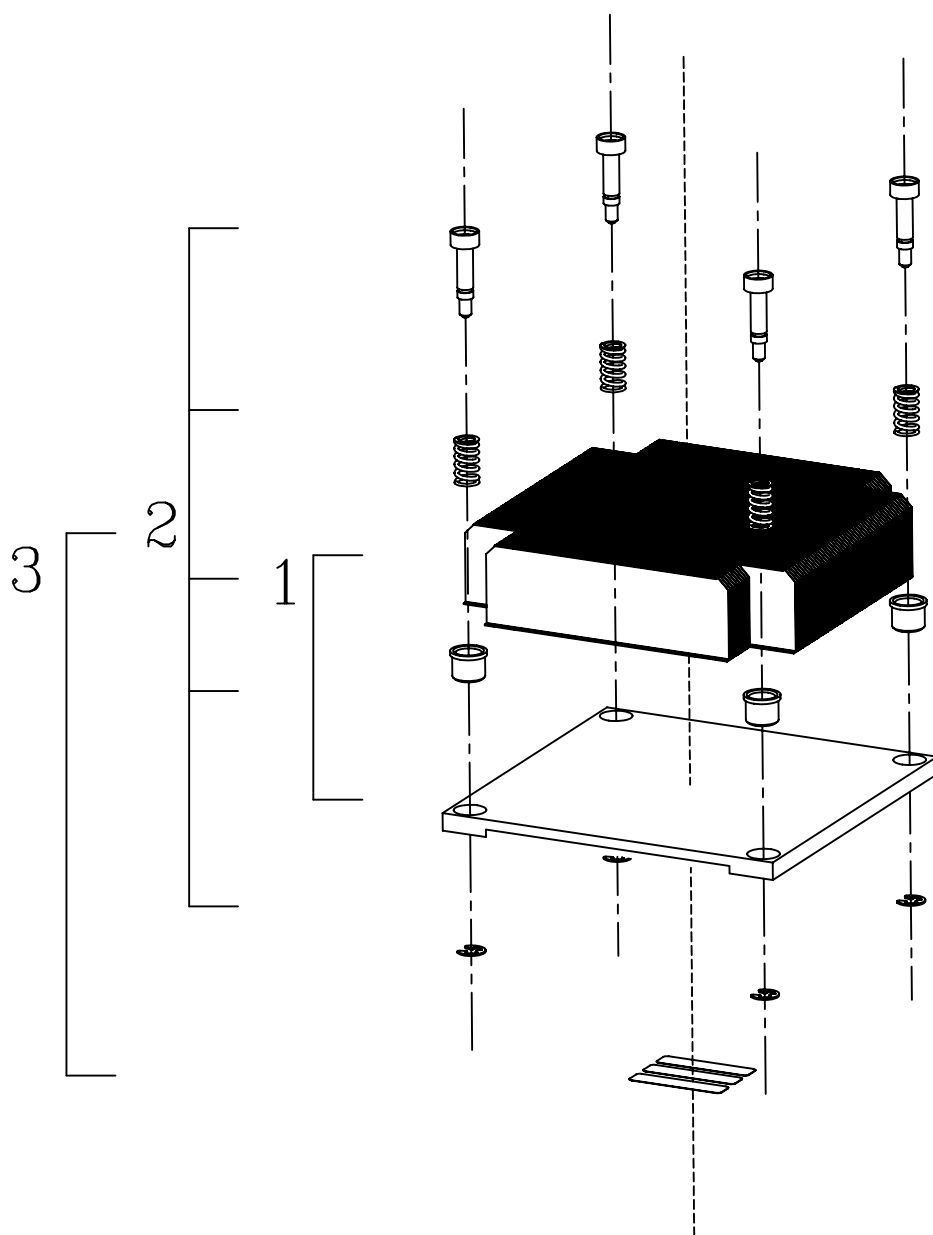
Item	Part Name	Material	Part NO.	Q'TY	Remark
1	FIN	AL1050	3346397700	1 PCE	
2	CU BASE	CU1100	3346841600	1 PCE	
3	CAP	SUS 303	3462384700	4 PCE	
4	SCREW	SUS 410	3105464700	4 PCE	
5	SPRING	MUSIC WIRE	3461809700	4 PCE	
6	E CLIP	S20C or S50C	3110262800	4 PCE	
7	GREASE	TC-1996	4021101500	0.308GRM	
8	AIR BUBBLE	PE	3522008500	0.125 PCE	
9	CARTON	PAPER	3513685100	0.042PCE	
10	PAD PAPER	PAPER	3516257800	0.167PCE	
11	TRAY	PET	3503113700	0.125 PCE	



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2. PRINT

2.1. Assembly Drawing



SCREW (4X)
3105464700

SPRING(4X)
3461809700

FIN ASSY
3346397700

CAP(4X)
3462384700

CU BASE
3346841600

E CLIP(4X)
3110262800

TC-1996
4021101500



台達電子工業股份有限公司
DELTA ELECTRONICS, INC.

DELTA MODEL:
DHS-B9090-44

Drawn:
Sheila

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CUSTOMER NAME: STD

CUSTOMER P/N: - - -

DIMENSIONAL TOLERANCES

HOLES : ± 0.05 ANGLES : $\pm 0.5^\circ$

()	()	()	()
<30	± 0.25	DECIMALS	UP-100 ± 0.2
>30-100	± 0.35	X ± 0.3	100-150 ± 0.25
>100-300	± 0.5	XX ± 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
			400-600 ± 1.5
			600-900 ± 2.4
			900-OVER ± 3.1



Description: PRODUCTION SPEC.
(ASSEMBLY ORDER)

A4
SIZE

Part No. DHS-B9090-44-AS

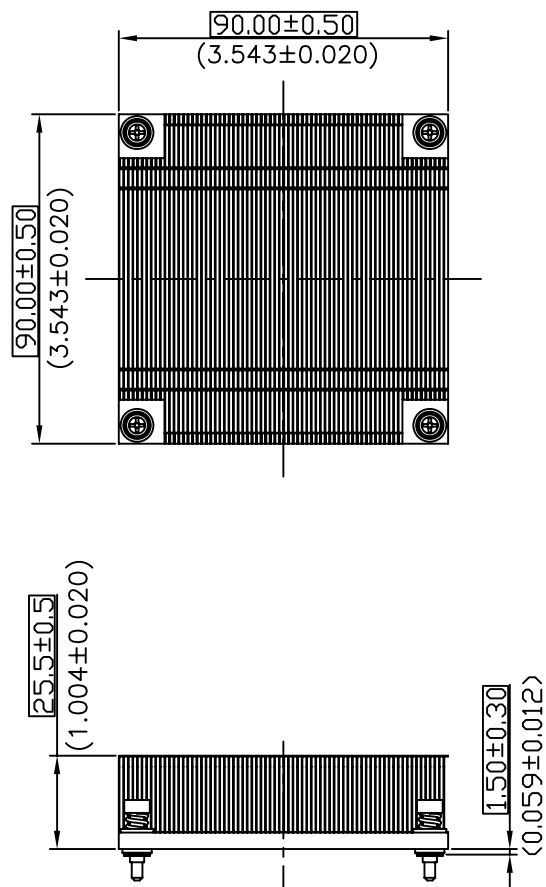
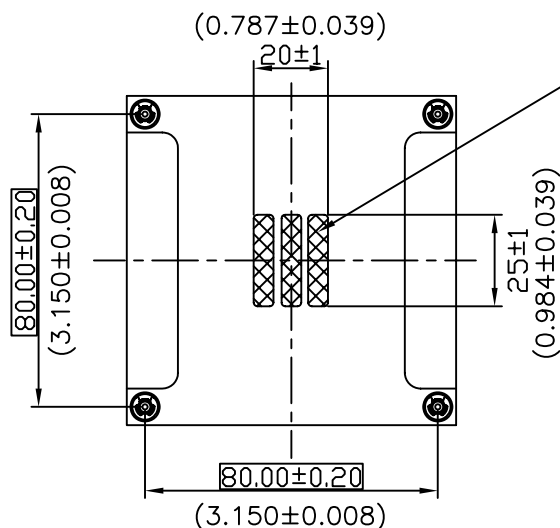
REV.

00

SHEET 1 OF 1 ISSUE DATE:

SCALE --- UNIT --- USED ON COOLER

DRAWING:



Dow Corning TC-1996 P/N:4021101500

*STENCIL THICKNESS=0.20(TYP.) 0.22(MAX.)

TIM WEIGHT ON HSK MUST BE 250mg $\pm$ 30mg

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



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 DELTA ELECTRONICS, INC.

DELTA MODEL:

DHS-B9090-44

Drawn:

Sheila

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CUSTOMER NAME:

STD

CUSTOMER P/N:

DIMENSIONAL TOLERANCES

HOLES : ± 0.05 ANGLES : $\pm 0.5^\circ$

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



Description:

PRODUCTION SPEC.
 (PHYSICAL DIMENSION)

A4
 SIZE

Part No.

DHS-B9090-44-PD

REV.

00

SHEET 1 OF 1

ISSUE DATE:

SCALE

UNIT

USED ON

COOLER



Delta Electronics Corp.

3. PACKING PLAN

Packing Specification

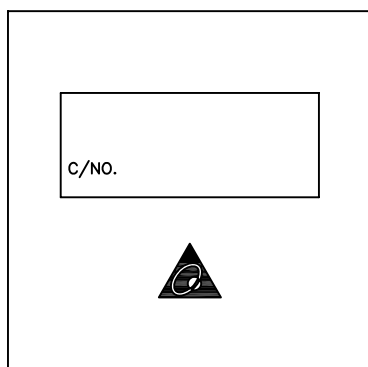
PART NO.	DHS-B9090-44																	
BASIC DATA	QUANTITY/CARTON		24PCS (3 LAYERS/CARTON, 8PCS/LAYER)															
	PRODUCTION NET WEIGHT		9.0kg (REF.)															
	PRODUCTION GROSS WEIGHT		10.6kg (REF.)															
20(ft)CONTAINER ILLUSTRATE	SIZE	5.889(L)*2.352(w)*2.386(H)m		PACKING QUANTITY														
	CONTAINER	STEEL		20PALLETS/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> <p>TOP VIEW</p>				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> <p>FRONT VIEW</p>	PALLET	PALLET	PALLET	PALLET
PALLET	PALLET	PALLET	PALLET	PALLET														
PALLET	PALLET	PALLET	PALLET	PALLET														
PALLET	PALLET																	
PALLET	PALLET																	
PALLET LOADING ILLUSTRATE	SIZE	117(L)*107(w)*11(H)cm		PACKING QUANTITY														
	PALLET	PLYWOOD		40 CARTONS/PALLET														
PALLET ILLUSTRATE PALLET LOADING MATHOD																		

台達電子工業股份有限公司 DELTA ELECTRONICS, INC.		DELTA MODEL: DHS-B9090-44		Drawn: Sheila	
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		CUSTOMER P/N: - - -			
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 >100~300 :±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. (PACKING ASSMEBLY)		Part No. DHS-B9090-44-PA REV. 00	
SCALE --- UNIT --- USED ON COOLER		A4 SIZE		SHEET 1 OF 2 ISSUE DATE:	

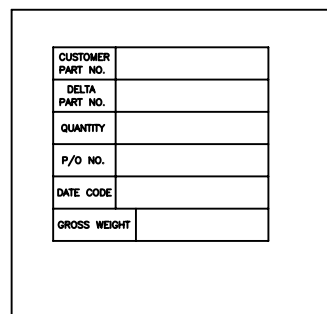
CARTON ILLUSTRATE	SIZE	498(L)*298(w)*166(H)(mm)	PACKING QUANTITY	3LAYERS/CARTON
	MATERIAL	3 LAYERS"AB" FLUTE	CARTON WEIGHT	0.8 kg (REF.)

CARTON OUTSIDE DEMONSTRATE

FRONT

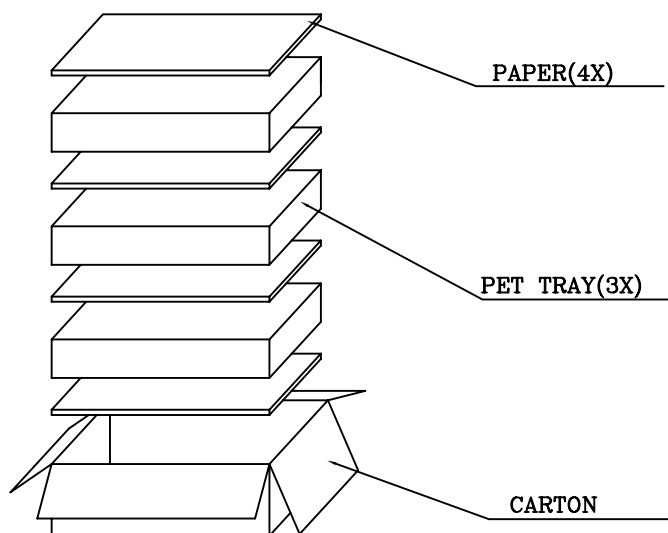


BACK



(ONE LABEL PER CARTON)

PET TRAY PACKING ILLUSTRATE	SIZE	490(L)*290(w)*41(H)(mm)	PACKING QUANTITY	8PCS/PET TRAY
	MATERIAL	PET TRAY		
	MATERIAL WEIGHT	170g (REF.)		



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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~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				

THIRD ANGLE PROJECTION	Description:	PRODUCTION SPEC.
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A4 SIZE	Part No.	DHS-B9090-44-PA	REV.
	SHEET 2 OF 2	ISSUE DATE:	00

SCALE	---	UNIT	---	USED ON	COOLER
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