



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.

CONTENTS

Item	Element Description	Page	Note
1	Specification	4	
2	Print	5	
3	Packing Plan	8	



Delta Electronics Corp.

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

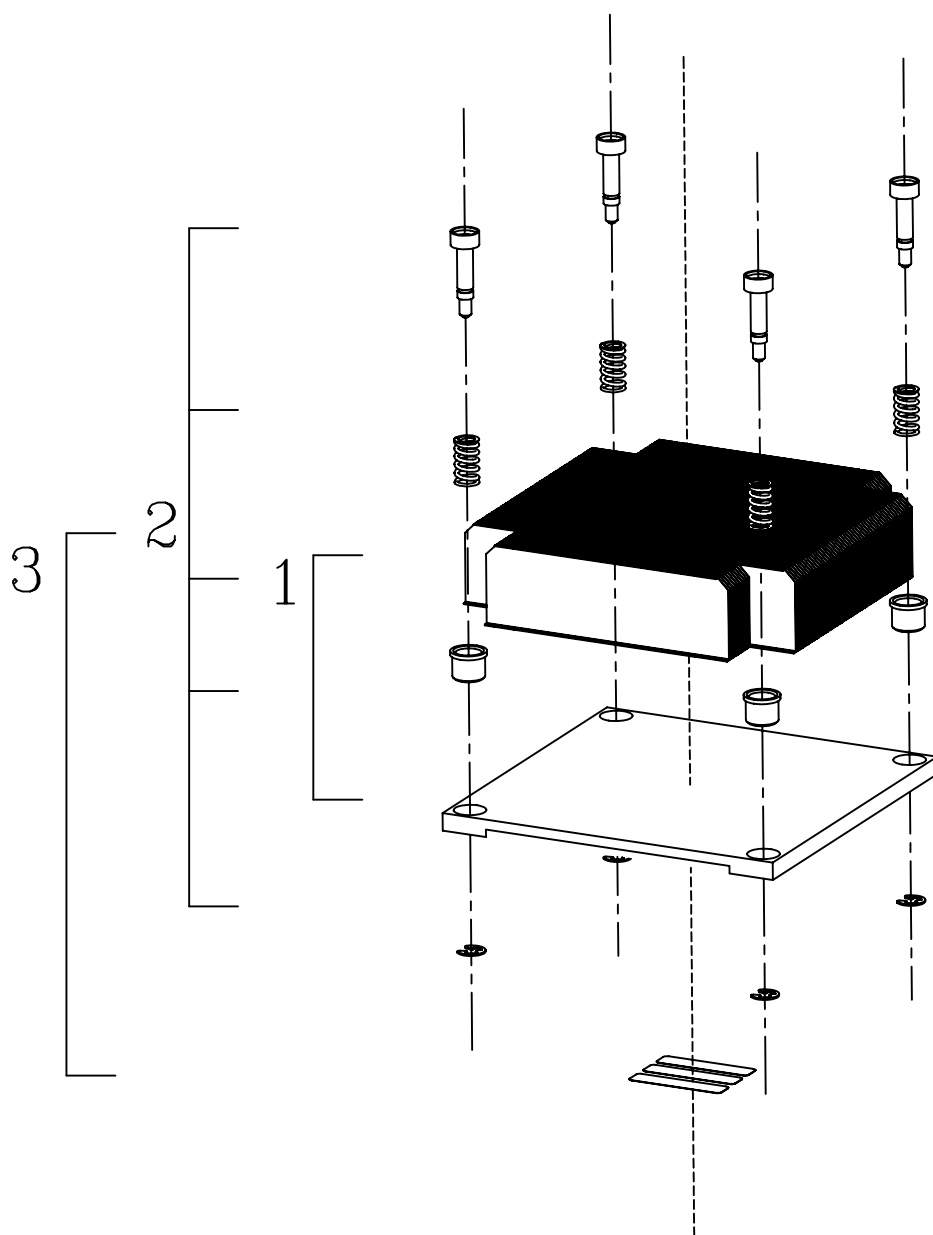
Item	Part Name	Material	Part NO.	Q'TY	Remark
1	FIN	AL1050	3346397700	1 PCE	
2	CU BASE	CU1100	3346841600	1 PCE	
3	CAP	SUS 303	3462384700	4 PCE	
4	SCREW	SUS 410	3105464700	4 PCE	
5	SPRING	MUSIC WIRE	3461809700	4 PCE	
6	E CLIP	S20C or S50C	3110262800	4 PCE	
7	GREASE	TC-1996	4021101500	0.308GRM	
8	AIR BUBBLE	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	



Delta Electronics Corp.

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

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF DELTA ELECTRONICS, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.

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

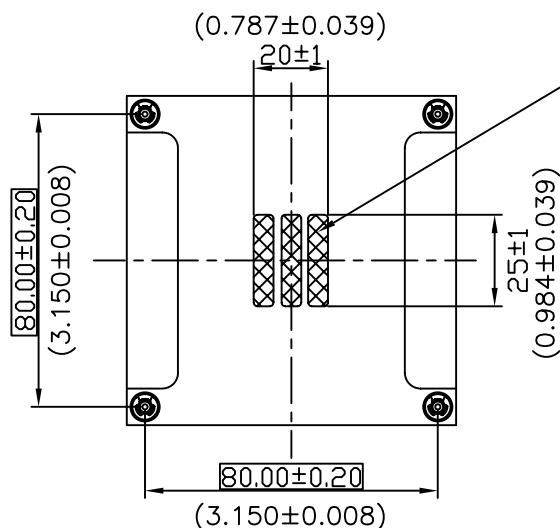
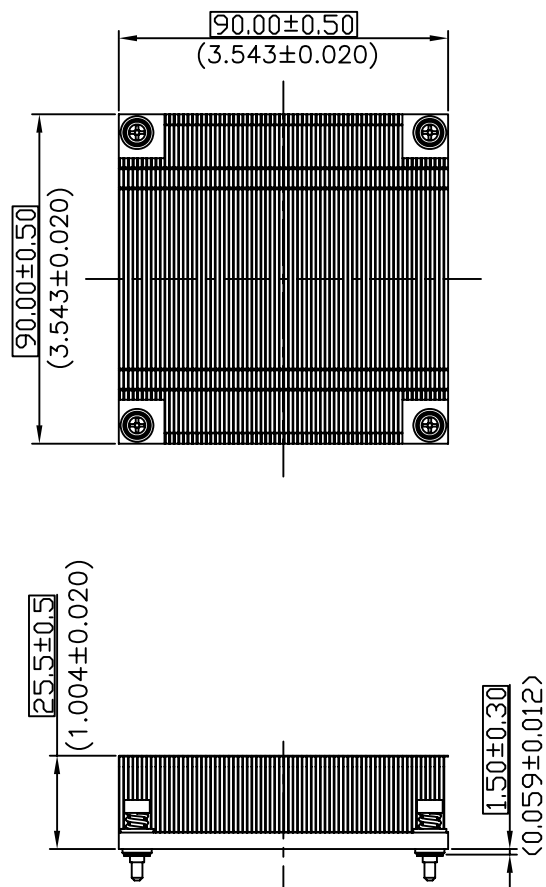
REV.

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



台達電子工業股份有限公司
 DELTA ELECTRONICS, INC.

DELTA MODEL:

DHS-B9090-44

Drawn:

Sheila

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF DELTA ELECTRONICS, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.

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

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

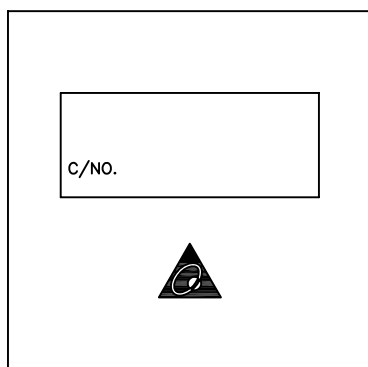
PART NO.	DHS-B9090-44																	
BASIC DATA	QUANTITY/CARTON		24PCS (3 LAYERS/CARTON, 8PCS/LAYER)															
	PRODUCTION NET WEIGHT		9.0kg (REF.)															
	PRODUCTION GROSS WEIGHT		10.6kg (REF.)															
20(ft)CONTAINER ILLUSTRATE	SIZE	5.889(L)*2.352(w)*2.386(H)m		PACKING QUANTITY														
	CONTAINER	STEEL		20PALLETS/CONTAINER														
CONTAINER FORM CONTAINER LOADING MATHOD <table border="1" style="text-align: center;"> <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> ← <table border="1" style="text-align: center;"> <tr><td>PALLET</td><td>PALLET</td></tr> <tr><td>PALLET</td><td>PALLET</td></tr> </table> TOP VIEW FRONT VIEW				PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	PALLET	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																																							
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF DELTA ELECTRONICS, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.																																									
DIMENSIONAL TOLERANCES () () () () <table border="0" style="font-size: 0.8em;"> <tr> <td><30</td><td>±0.25</td><td>DECIMALS</td><td>UP-100</td><td>±0.2</td><td>250-300</td><td>±0.4</td><td>UP-600</td><td>±1.5</td> </tr> <tr> <td>>30-100</td><td>±0.35</td><td>X</td><td>±0.3</td><td>100-150</td><td>±0.25</td><td>300-350</td><td>±0.45</td><td>600-900</td><td>±2.4</td> </tr> <tr> <td>>100-300</td><td>±0.5</td><td>XX</td><td>±0.2</td><td>150-200</td><td>±0.3</td><td>350-400</td><td>±0.5</td><td>900-OVER</td><td>±3.1</td> </tr> <tr> <td>ABOVE 300</td><td>±0.6</td><td>XXX</td><td>±0.1</td><td>200-250</td><td>±0.35</td><td></td><td></td><td></td><td></td> </tr> </table>		<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	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)	
		<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	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																																					
SCALE --- UNIT --- USED ON COOLER		Part No. DHS-B9090-44-PA		REV. 00																																						
		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

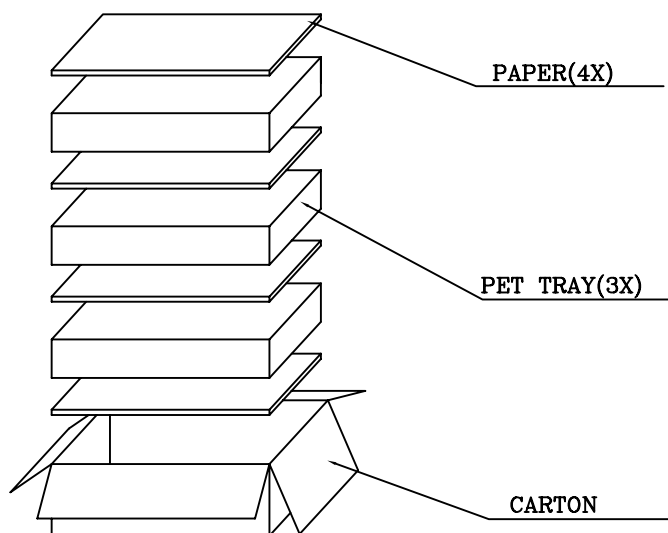


BACK

CUSTOMER PART NO.	
DELTA PART NO.	
QUANTITY	
P/O NO.	
DATE CODE	
GROSS WEIGHT	

(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.)		



台達電子工業股份有限公司
DELTA ELECTRONICS, INC.

DELTA MODEL:

DHS-B9090-44

Drawn:

Sheila

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF DELTA ELECTRONICS, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.

CUSTOMER NAME:

STD

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	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



THIRD ANGLE PROJECTION

Description:

PRODUCTION SPEC.

A4

SIZE

Part No.

DHS-B9090-44-PA

REV.

00

SHEET 2 OF 2

ISSUE DATE:

SCALE

UNIT

USED ON

COOLER