



# **SPECIFICATION FOR APPROVAL**

**Customer :** MSI

**Part No :** S93-0408120-D04 **Rev :**     

**Description :** ADAPTER

**Delta Model No :** ADP-40MH BDA **Rev :** 00

**Sample Issue Date :** April 15,2008

## **DELTA ELECTRONICS, INC.**

**3, Tung Yuan Road**

**Chungli Industrial Zone.**

**Taoyuan Hsien 320, Taiwan, R.O.C**

**Internet : <http://www.deltaww.com>**

**TEL:886-3-4526107 FAX:886-3-4343617**

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**Please send one copy of this specification back after you signed approval for production pre-arrangement.**

Approved By : \_\_\_\_\_

Date : \_\_\_\_\_

**Engineer By: Jeason Cheng M.Engineer By: Aaron Yang Approved By: Yang Sun**

# 1. Revision History



<b>DELTA P/N</b>	<b>ADP-90SB BBDU</b>	<b>SHEET 1 OF 1</b>								
<b>CONTENT</b>	<b>Revision History</b>	<b>DATE April 15.2008</b>								
<div>1.Revision History</div> <table><tr><th>REV.</th><th>DESCRIPTION</th><th>ENGINEER</th><th>DATE</th></tr><tr><td>00</td><td>ISSUE</td><td>Jeason Cheng</td><td>04/15/2008</td></tr></table>			REV.	DESCRIPTION	ENGINEER	DATE	00	ISSUE	Jeason Cheng	04/15/2008
REV.	DESCRIPTION	ENGINEER	DATE							
00	ISSUE	Jeason Cheng	04/15/2008							

## 2. Electrical Specification






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Date	Drawn	Design (EE)	Design (ME)	DOCUMENT NAME. :	REV.
09/14/2007	洪若蘭	羅日隆	楊基祥	<b>ES-40MH BDA</b>	S00

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## 1. ELECTRICAL

### 1.1 Input Characteristics:

#### 1.1.1 Nominal Voltage

It is normal for **100 ~ 240Vac** input AC voltage.

#### 1.1.2 Input Voltage Range

The Adapter shall operate from **90 ~ 264Vac**.

#### 1.1.3 Rated Frequency

It is normal for **50Hz** or **60Hz** and single phase.

#### 1.1.4 Frequency Range

The Adapter shall operate with an input frequency from **47 Hz** to **63 Hz**.

#### 1.1.5 Input Current

**1.2A** Max at **100Vac** input voltage.

#### 1.1.6 Inrush Current Limit (cold start)

(a) 110A/1msec. (Maximum at full loading when Vin=AC 90V, 50/60Hz)

(b) 220A/1msec. (Maximum at full loading when Vin=AC 180V, 50/60Hz)

#### 1.1.7 Efficiency (Warm Up)

1.1.7.1 **84 %** min. at nominal input voltage, maximum load and measured at the end of DC cable.

1.1.7.2 Active mode efficiency:

More than **83.2%** of average efficiency of **25%,50%,75%** and **100%** load tested at **115Vac** and **230Vac**. (Warm up after 30 minutes)



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### 1.1.8 No Load Power Consumption

Maximum non-load power consumption is less than **0.5W** at **115Vac/60Hz** and **230Vac/50HZ**

### 1.1.9 Small Load Power Consumption

Vin=115Vac/60Hz and 230Vac/50Hz

Output load(W)	Input power (max)
1W	1.7W
1.5W	2.4W

## 1.2 Output Characteristics:

### 1.2.1 Rated Voltage

The rated output voltage is specified at **20V**.

### 1.2.2 Voltage Range

The output voltage will be performed **19.5V~ 21.5V** when the load is **0A ~ 2A** steadily.

### 1.2.3 Current

This Adapter can work from **0A** to **2A** and output voltage is in section 1.2.2 specified range.

### 1.2.4 Output Ripple and Noise

Output ripple voltage is **350 mV** peak to peak or less.

Measured methods:

T1. Performed by **20M** Hz bandwidth in oscilloscope.

T2. Applied **0.1uF** high frequency capacitor and **47uF** electrolytic capacitor across output connector terminals.

T3. Measured at the end of DC cable.

T4. 47Hz and 63Hz tested at 90Vac and 264Vac.



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#### 1.2.5 Turn On delay time

The Adapter shall switch on in less than **2 seconds** at input voltage is 100Vac.

#### 1.2.6 Hold –up time

The output voltage shall be sustained **6mS** within regulation requirement after loss 100Vac and maximum load.

#### 1.2.7 Rise time

DC output rise time from 10% to 90% of output voltage shall be less than **40ms** at nominal line and maximum load

#### 1.2.8 Surge load:

The adapter shall support 2.5A for **60S** at 100 ~ 240Vac and **25** .

#### 1.2.9 Load transient response

The adapter must within regulation when applied a step load from 0% to 50% and 50% to 100% load at **0.5A/us** slew rate and 10mS time period.

The output voltage will be performed **19.5V~ 21.5V**.

#### 1.2.10 Protection

##### 1.2.10.1 Over Voltage Protection

The output shall be protected to latch off at over-voltage condition, maximum value can't be over **26V**.  
That might be return to normal state by AC reset, reset ≤ 2 Minutes.

##### 1.2.10.2 Over Current Protection

The maximum constant current shall be less than **4A**.

**The ADAPTOR SHALL BE AUTO-RECOVERY.**



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#### 1.2.10.3 Short Circuit protection

Output can be shorted without damage. The adaptor shall be auto-recovery. (It will enter into normal condition when the fault condition is removed.)

#### 1.2.10.4 Over Temperature Protection

No deformation and no discoloration on case and will be shut down. That will be return to normal state by ac reset, reset 2 minutes.

#### 1.2.11 Capacitance load

2200uF (5 times), No protection.

The adapter can supply 2200uF electrolytic capacitor charge current.

### 2. Environmental

#### 2.1 Temperature

##### 2.1.1 Operating

The AC Adapter shall be capable of operating at full load with an ambient temperature range of **0 to +40** .


##### 2.1.2 Shipping/Storage

The AC Adapter shall be capable of withstanding ambient temperature from **-20 to +70** .

#### 2.2 Humidity

##### 2.2.1 Operating

The AC Adapter shall be capable of operation in relative humidity of **0% to 90%** relative humidity, non-condensing.

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### 2.2.2 Shipping/storage

The AC Adapter shall be capable of withstanding ambient relative humidity of **0% to 95%** relative humidity, non-condensing.

## 2.3 Immunity

### 2.3.1 Lightning Surge Immunity

This is to follow the norm of IEC-61000-4-5 Level 3 requirements

L-N 1KV/1.2 \* 50uS 5 times No function error.

L-FG 2KV/1.2 \* 50uS 5 times No damage.

### 2.3.2 Electric Fast Transients (EFT)

This is to follow the norm of IEC-61000-4-4/1995

(EN 61000-4-4) Level 3 requirements

## 2.4 Electrostatic Discharge ( ESD )

This Adapter is capable to withstand ESD test voltage at any point around the enclosure as below.  
(Refer to IEC61000-4-2)

±15KV air discharge No damage.


±8KV contact discharge No damage.

## 2.5 Surface Temperature rise

Output 40W and ambient **25 ±3** ;input voltage 100Vac/240Vac case temperature rise **40** .

## 2.6 Dielectric Withstand Voltage ( HI – POT )

100% of line products of this Adapter shall be applied 3000Vac for 2 seconds between AC

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input terminals and output terminals. Cut off current is 3mA.

## 2.7 Leakage Current :

The AC leakage current is less than **100  $\mu$  A** when adapter is connected to **240Vac/60Hz** at normal condition.

## 2.8 Insulation Resistance

The insulation resistance shall be not less than **20M** ohms after application of **500Vdc/10mA for 1 minute**.

## 2.9 Electromagnetic Interference (EMI)

2.9.1 The adapter shall comply with the following national standards.

(a) CISPR 22 Class B

(b) VCCI Class B

## 2.10 MTBF

### 2.10.1 MTBF(Mean-Time-Between-Failures)Calculation

The calculated MTBF shall be **150,000** hours of continuous operation at **25** ,  
maximum load and normal voltage.

### 2.10.2 MTBF Verification

The MTBF shall be verified from life testing performed by factory Quality department.

The operating conditions are:**40** ambient temperature, sea level ,both nominal line voltage ranges(110VAC or 220VAC) and a minimum load of **75%** of the maximum load.



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### 3. Mechanical

3.1 Outline Dimension: **96.0\*42.0\*28.7** mm , Color : **Black**


3.2 AC Inlet type: Socket **C6** type

3.3 DC Cable Length: **1800** mm

3.4 DC Connector Dimension:

OD= **5.5** mm

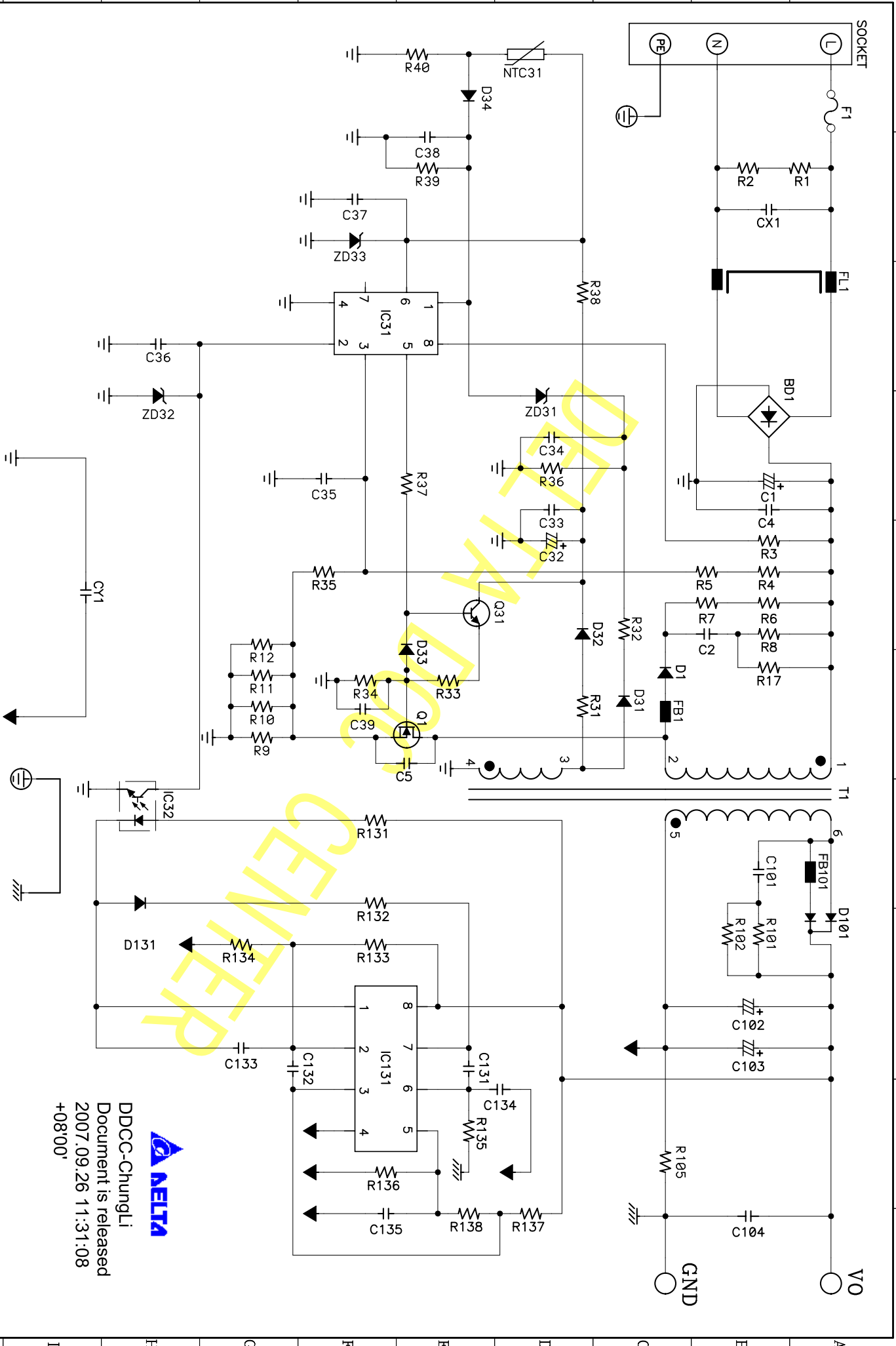
ID= **2.5** mm

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# 3. Schematic







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Date: 08/21/07	LY REV: 0/0
ADP-40MH BA	FILE NAME: SC-ADP40MH BAROCO
PWB: 2940096500	
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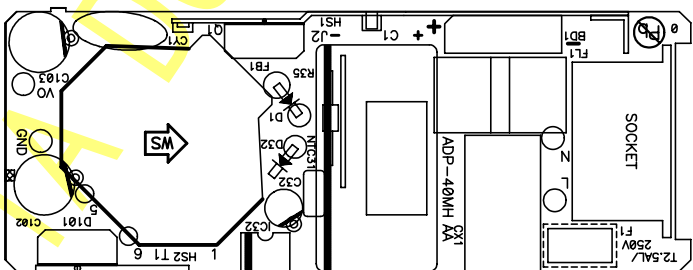
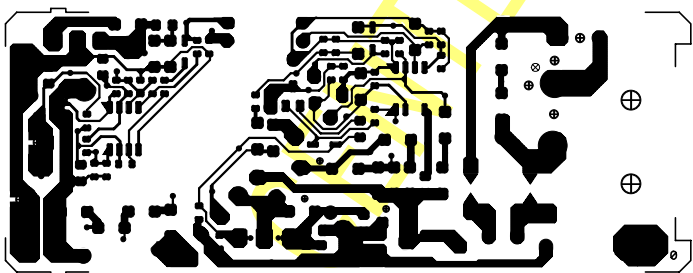
Drawn  
**VANNE**  
09/21/07

MODEL NAME  
**ADP-40MH BDA**

REV.	SHEET
S00	01 OF 01

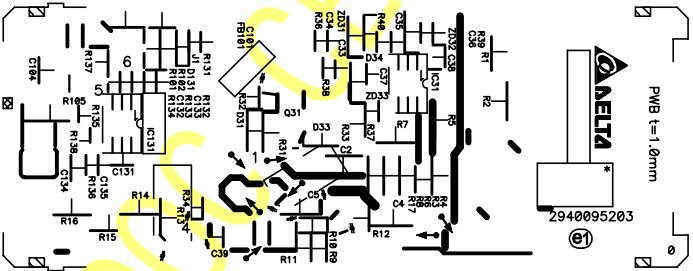
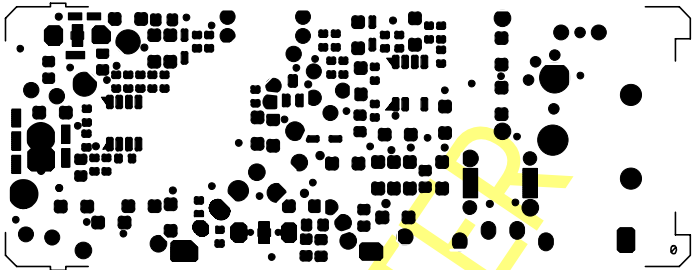
## 4. PCB Artwork





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DRAWING NO. P.T. 40MH AA REV. 3  
USED ON: ADP-40MH AA CODE: 0  
MADE BY: VANNE DATE: 9/05/07  
P/N: 2940095203  
SOLDER SIDE SIZE 1=1

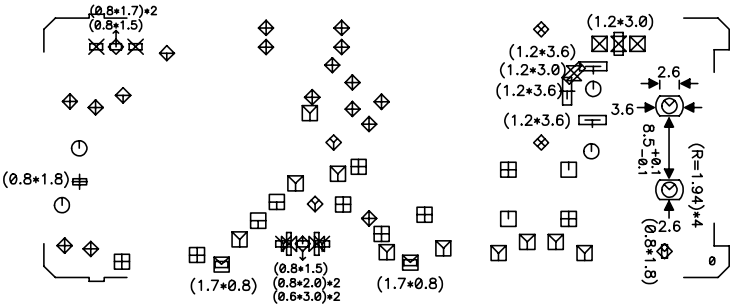
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DRAWING NO. P.T. 40MH AA REV. 3  
USED ON: ADP-40MH AA CODE: 0  
MADE BY: VANNE DATE: 9/05/07  
P/N: 2940095203  
COMPONENT SIDE SIZE 1=1



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DRAWING NO: P-R: 40MH AA REV: 3  
USED ON: ADP-40MH AA CODE: 0  
MADE BY: VANNIE DATE: 9/05/07  
P/N: 2940095203  
SOLDER SIDE SIZE: 1=1

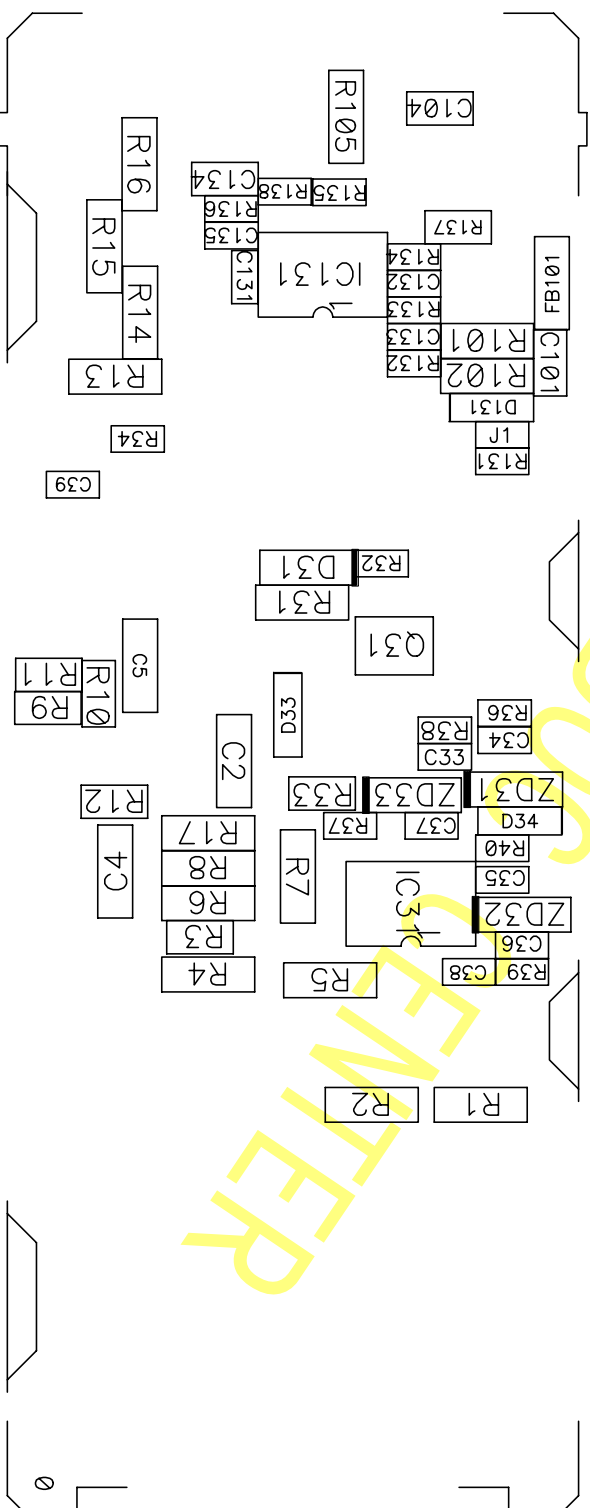
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DRAWING NO: P-W: 40MH AA REV: 3  
USED ON: ADP-40MH AA CODE: 0  
MADE BY: VANNIE DATE: 9/05/07  
P/N: 2940095203  
SOLDER SIDE SIZE: 1=1

Drill Table				
HoleDia(mm)	Symbol	Quantity	Plated	Slot
0.060	+	1	No	0.8X1.8
0.061	X	2	No	0.8X1.7
0.062	Y	2	No	0.8X2.0
0.110	T	3	No	1.2X3.6
0.290	X	2	No	1.2X3.0
0.590	X	2	No	0.6X3.0
0.700	□	2	No	
0.720	◇	2	Yes	0.8X1.5
0.770	⊠	2	Yes	1.7X0.8
0.780	◇	1	Yes	0.8X1.8
0.800	◇	15	Yes	
0.800	⊠	2	No	
0.900	⊠	8	No	
1.000	⊠	10	Yes	
1.000	◇	2	No	
1.100	◇	2	Yes	
1.200	⊠	2	Yes	
1.300	◇	2	Yes	
2.000	⊙	4	Yes	
2.590	⊙	2	No	3.6(Round Rectangle)X2.6



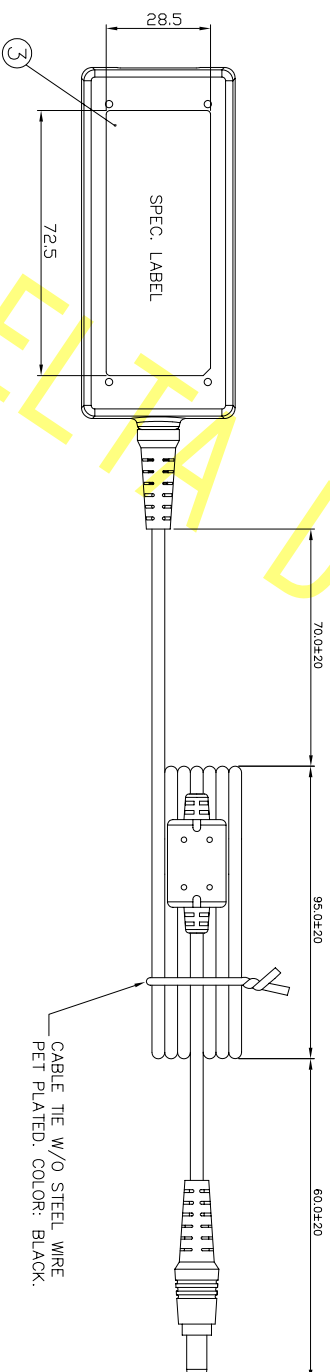
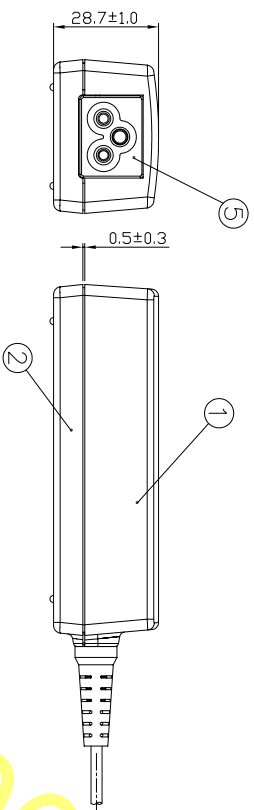
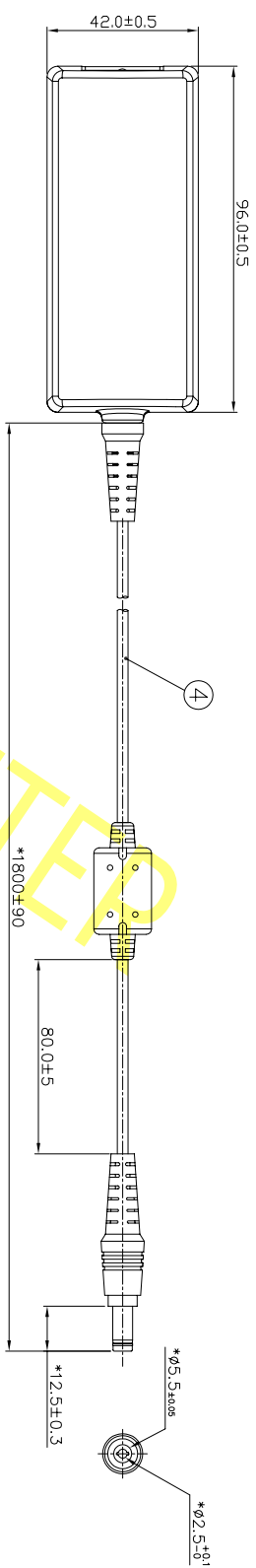
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DRAWING NO: P-H: 40MH AA REV: 3  
USED ON: ADP-40MH AA CODE: 0  
MADE BY: VANNIE DATE: 9/05/07  
P/N: 2940095203  
SOLDER SIDE SIZE: 1=1

ADP-40MH AA REV:3 CODE:0 2940095203



# 5. Physical Dimension






ITEM	PART NAME	COLOR
①	COVER	BLACK
②	CHASSIS	BLACK
③	LABEL	BLACK
④	DC CABLE	BLACK
⑤	SOCKET	BLACK

NOTES:

1. THE COLOR OF PLUG'S INSULATOR: BLACK
2. PLUG'S TYPE:TUNING FORK.
3. MARKED \* MARK MUST BE INSPECTED AND CONTROLLED STRICTLY BY QA

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DIMENSIONAL TOLERANCES: <i>Notes: ±0.05      <b>±0.07</b></i>			
<table border="0"> <tr> <td>           &lt;30            30-60            60-90            90-100            100-125            125-150            150-200            200-250            250-300            300-400            400-500            500-630            630-800            800-1000            1000-1250            1250-1600            1600-2000            2000-2500            2500-3150            3150-4000            4000-5000            5000-6300            6300-8000            8000-10000            10000-12500            12500-16000            16000-20000            20000-25000            25000-31500            31500-40000            40000-50000            50000-63000            63000-80000            80000-100000            100000-125000            125000-160000            160000-200000            200000-250000            250000-315000            315000-400000            400000-500000            500000-630000            630000-800000            800000-1000000            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250-300 300-400 400-500 500-630 630-800 800-1000 1000-1250 1250-1600 1600-2000 2000-2500 2500-3150 3150-4000 4000-5000 5000-6300 6300-8000 8000-10000 10000-12500 12500-16000 16000-20000 20000-25000 25000-31500 31500-40000 40000-50000 50000-63000 63000-80000 80000-100000 100000-125000 125000-160000 160000-200000 200000-250000 250000-315000 315000-400000 400000-500000 500000-630000 630000-800000 800000-1000000 1000000-1250000 1250000-1600000 1600000-2000000 2000000-2500000 2500000-3150000 3150000-4000000 4000000-5000000 5000000-6300000 6300000-8000000 8000000-10000000 10000000-12500000 12500000-16000000 16000000-20000000 20000000-25000000 25000000-31500000 31500000-40000000 40000000-50000000 50000000-63000000 63000000-80000000 80000000-100000000 100000000-125000000 125000000-160000000 160000000-200000000 200000000-250000000 250000000-315000000 315000000-400000000 400000000-500000000 500000000-630000000 630000000-800000000 800000000-1000000000 1000000000-1250000000 1250000000-1600000000 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<30 30-60 60-90 90-100 100-125 125-150 150-200 200-250 250-300 300-400 400-500 500-630 630-800 800-1000 1000-1250 1250-1600 1600-2000 2000-2500 2500-3150 3150-4000 4000-5000 5000-6300 6300-8000 8000-10000 10000-12500 12500-16000 16000-20000 20000-25000 25000-31500 31500-40000 40000-50000 50000-63000 63000-80000 80000-100000 100000-125000 125000-160000 160000-200000 200000-250000 250000-315000 315000-400000 400000-500000 500000-630000 630000-800000 800000-1000000 1000000-1250000 1250000-1600000 1600000-2000000 2000000-2500000 2500000-3150000 3150000-4000000 4000000-5000000 5000000-6300000 6300000-8000000 8000000-10000000 10000000-12500000 12500000-16000000 16000000-20000000 20000000-25000000 25000000-31500000 31500000-40000000 40000000-50000000 50000000-63000000 63000000-80000000 80000000-100000000 100000000-125000000 125000000-160000000 160000000-200000000 200000000-250000000 250000000-315000000 315000000-400000000 400000000-500000000 500000000-630000000 630000000-800000000 800000000-1000000000 1000000000-1250000000 1250000000-1600000000 1600000000-2000000000 2000000000-2500000000 2500000000-3150000000 3150000000-4000000000 4000000000-5000000000 5000000000-6300000000 6300000000-8000000000 8000000000-10000000000 10000000000-12500000000 12500000000-16000000000 16000000000-20000000000 20000000000-25000000000 25000000000-31500000000 31500000000-40000000000 40000000000-50000000000 50000000000-63000000000 63000000000-80000000000 80000000000-100000000000 100000000000-125000000000 125000000000-160000000000 160000000000-200000000000 200000000000-250000000000 250000000000-315000000000 315000000000-400000000000 400000000000-500000000000 500000000000-630000000000 630000000000-800000000000 800000000000-1000000000000 1000000000000-1250000000000 1250000000000-1600000000000 1600000000000-2000000000000 2000000000000-2500000000000 2500000000000-3150000000000 3150000000000-4000000000000 4000000000000-5000000000000 5000000000000-6300000000000 6300000000000-8000000000000 8000000000000-10000000000000 10000000000000-12500000000000 12500000000000-16000000000000 16000000000000-20000000000000 20000000000000-25000000000000 25000000000000-31500000000000 31500000000000-40000000000000 40000000000000-50000000000000 50000000000000-63000000000000 63000000000000-80000000000000 80000000000000-100000000000000 100000000000000-125000000000000 125000000000000-160000000000000 160000000000000-200000000000000 200000000000000-250000000000000 250000000000000-315000000000000 315000000000000-400000000000000 400000000000000-500000000000000 500000000000000-630000000000000 630000000000000-800000000000000 800000000000000-1000000000000000 1000000000000000-1250000000000000 1250000000000000-1600000000000000 1600000000000000-2000000000000000 2000000000000000-2500000000000000 2500000000000000-3150000000000000 3150000000000000-4000000000000000 4000000000000000-5000000000000000 5000000000000000-6300000000000000 6300000000000000-8000000000000000 8000000000000000-10000000000000000 10000000000000000-12500000000000000 12500000000000000-16000000000000000 16000000000000000-20000000000000000 20000000000000000-25000000000000000 25000000000000000-31500000000000000 31500000000000000-40000000000000000 40000000000000			

## 6. Label Drawing










SCALE 1:1



SCALE 2:1

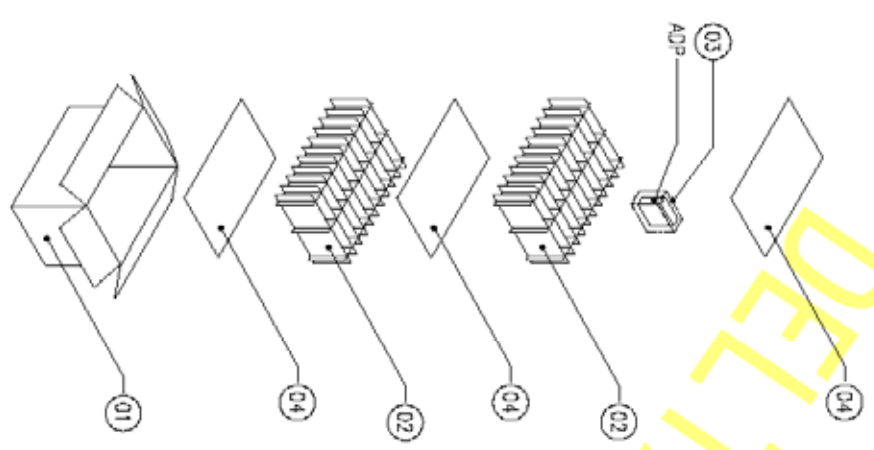
The mark " ~ " is the label vendor code of DELTA who registered at CSA or UL :  
CM-2 : CymMetrik  
MMC : Yongta

 台達電子工業股份有限公司 DELTA ELECTRONICS, INC.	Drawn: <i>ligi</i> 12/11'07		Design: <i>Akor</i> 12/11'07	
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.	 Description: <b>LABEL</b>			
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		Holes : ±0.05 ANGLES : ±0.5°		
SCALE -- UNIT mm USED ON ADP-40MH BDA 		A4 SIZE		
		Part No. 3268008353		REV. 03
		SHEET 4 OF 4		ISSUE DATE: 12/11'07

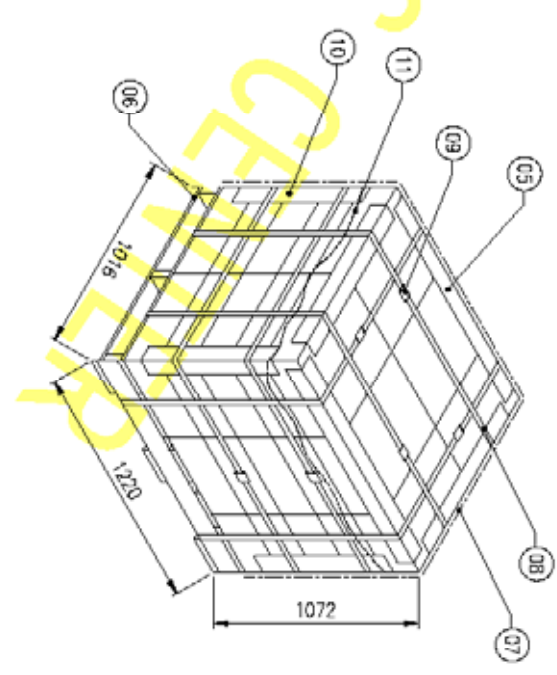
# 7.Packing



- NOTES:
1. UNITS: MM
  2. 40PCS/CARTON\*2\*3CARTONS/LAYER\*5LAYERS=1200PCS/PALLET
  3. ALL THE PACKING MATERIAL SHOULD MEET DELTA 10000-0162 SPEC.



ITEM	PART NO.	NAME	OUTSIDE DIM.(mm)	Q'TY	EXPLAIN
01	3612309000	CARTON	515X360X190	1/40	
02	3613014401	PARTITION	498X344X78X20	2/40	
03	3601384200	PE BAG	500X150X0.05	1/1	
04	3610652000	PAD PAPER	498X344X8	3/40	
05	36101B0100	ANGLE PAPER	1100X55X55	2/1200	
06	3620034100	PALLET	1220X1016X122	1/1200	
07	3620082400	PE FILM	t=0.02mm	1/1200	
08	3620142700	PLASTIC STRIP		27/1200	
09	3620142800	STAPLE WIRE	1.72X0.8	6/1200	
10	36101B0200	ANGLE PAPER	900X55X55	6/1200	
11	3620089900	PE SHEET	1300X1500X0.1	1/1200	



**DELTA** 台灣電子工業股份有限公司  
DELTA ELECTRONICS, INC.

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**REVISIONS**

REV.	DATE	DESCRIPTION
01	07/16/07	PACKING ASS'Y

**Part No.** 3621227900

**SIZE** A3

**SHRST** 3.0F.3

**DATE** 07/16/07

**REV.** 01

## 8. BOM (Part list)



## &lt; ADP-40MH BDA CUSTOMER BOM LIST &gt;

DATE: 04/14/2008

REV: 00

DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
RES CF 1/4W 2.2Kohm J SMALL	KAMAYA		0	1.000	PCE	R35	
	ROYAL						
	TY-OHM						
	YAGEO						
RES CF 1/4W 2.2Kohm J SMALL	TZAI YUAN ENTERPRISE CO., LTD.	CF 1/4WS 2K2 J T52	100	1.000	PCE	R35	
FUSE T S 2.5A 250V L	BEL FUSE LIMITED	RST 2.5	0	1.000	PCE	F1	
FUSE T S 2.5A 250VAC L	WICKMANN ASIA LTD.	392-2.5A	0	1.000	PCE	F1	
FUSE T S 2.5A 250V L	CONQUER ELEC.CO.,LTD	MST2.5	100	1.000	PCE	F1	
RES NTC 470Kohm J 5200K +/-7%	UPPERMOST ELECTRONIC INDUSTRIES CO	TDC05D447J(TDC05D447)-5m	0	1.000	PCE	NTC31	
RES NTC 470Kohm J 5200K +/-7%	THINKING ELECTRONIC INDUSTRIAL CO.,	TTC05474JSY751(TTC474)	100	1.000	PCE	NTC31	
CAP Y1/X1 CD 250VAC 1000pF M Z5U VI10	TDK Corporation	CD70-ZU2GA102MYGK	100	1.000	PCE	CY1	
CAP Y1/X1 CD 250VAC 1000pF M E VI10	WALSIN TECHNOLOGY CORPORATION	AH08E102MD0L-S	0	1.000	PCE	CY1	
CAP Y1/X1 CD 250VAC 1000pF M E TP VI10	MURATA MANUFACTURING CO.LTD	DE1E3KX102MN4AL01/A5	0	1.000	PCE	CY1	
CAP AL LD 25V 330uF M 8*15 P3.5	NICHICON CORPORATION	UHD1E331MPD1CV	0	1.000	PCE	C102	
CAP AL LD 25V 330uF M 8*15 P3.5	NICHICON CORPORATION	UHD1E331MPD1CV	0	1.000	PCE	C103	
CAP AL LD 25V 330uF M 8*15 P3.5	TAICON CORPORATION	THD1E331MK08150CK3	100	1.000	PCE	C102	
CAP AL LD 25V 330uF M 8*15 P3.5	TAICON CORPORATION	THD1E331MK08150CK3	100	1.000	PCE	C103	
CAP AL LD 25V 330uF M 8*16 P3.5	RUBYCON CORPORATION	25ZL330MEFCC8*16	0	1.000	PCE	C102	
CAP AL LD 25V 330uF M 8*16 P3.5	RUBYCON CORPORATION	25ZL330MEFCC8*16	0	1.000	PCE	C103	
CAP AL LD 35V 33uF M 5*11 TP P5	NICHICON CORPORATION	UPW1V330MDD1TA	0	1.000	PCE	C32	
CAP AL LD 35V 33uF M 5*11 TP P5	TAICON CORPORATION	TPW1V330MK05110TC1	0	1.000	PCE	C32	
CAP AL LD 35V 33uF M 5*11 TP P5	LUMINOUS TOWN ELECTRIC CO., LTD.	ZGD1VM330D11A	100	1.000	PCE	C32	
CAP AL LD 35V 33uF M 5*11 TP P5	RUBYCON CORPORATION	35YXG33MEFCTA5*11	0	1.000	PCE	C32	
CAP AL LD 35V 33uF M 5*11 TP P5	NIPPON CHEMI-CON CORPORATION	EKY-350ETC330ME11D	0	1.000	PCE	C32	
CAP AL 400V 100uF M 16*30 P7.5	NIPPON CHEMI-CON CORPORATION	KMG400VB100M16*30E1	0	1.000	PCE	C1	
CAP AL 400V 100uF M 16*31.5 P7.5	NICHICON CORPORATION	UPT2G101MHDADT	100	1.000	PCE	C1	
CAP AL 400V 100uF M 16*30 P7.5	LUMINOUS TOWN ELECTRIC CO., LTD.	TYD2GM101K300	0	1.000	PCE	C1	
CAP X2 MP PC 275VAC 0.33uF K P15	HUA JUNG COMPONENTS CO., LTD.	MKP-334K0275AB1151	100	1.000	PCE	CX1	
CAP X2 MP PC 275VAC 0.33uF M P15	ARCOTRONICS ITALIA SPA	R46K1333045M	0	1.000	PCE	CX1	
CAP X2 MP PC 275VAC 0.33uF K P15	OKAYA HONG KONG TRADING LTD.	LE334	0	1.000	PCE	CX1	
DIO BRD 2A 800V D3K-4P	SHINDENGEN ELECTRIC MANUFACTURING	UD2KB80-7000	100	1.000	PCE	BD1	
DIO BRD 2A 800V KBPM-4P	VISHAY SEMICONDUCTOR	2KBP08M-E4/51	0	1.000	PCE	BD1	
DIO BRD 2A 800V KBP-4P	GULF SEMICONDUCTOR LIMITED	KBP08G-47L	0	1.000	PCE	BD1	
DIO BRD 2A 800V 2K-4P	Tianjin Zhong-Huan Semiconductor	T2KB80	0	1.000	PCE	BD1	
DIO FRD 1A 1000V DO-41-2P 500nS	FAGOR ELECTRONICA, S. COOP	RGP10MAMP	0	1.000	PCE	D1	
DIO FRD 1A 1000V DO-41-2P 500nS	VISHAY SEMICONDUCTOR	RGP10M-E3/73	0	1.000	PCE	D1	
DIO FRD 1A 1000V DO-41-2P 500nS	PAN JIT INTERNATIONAL INC.	PG1010R T/B	100	1.000	PCE	D1	
DIO FRD 1A 1KV DO-41-2P 500nS	GULF SEMICONDUCTOR LIMITED	RGP10M-47L	0	1.000	PCE	D1	
DIO FRD 1A 1KV DO-41-2P 500nS	Tianjin Zhong-Huan Semiconductor	TRGP10M-B5	0	1.000	PCE	D1	
DIO SBD 10A 100V TO-220AB-3P C.C.	STMicroelectronics Asia Pacific Pte	STPS10H100CT	100	1.000	PCE	D101	
DIO SBD 10A 100V TO-220AB-3P C.C.	VISHAY SEMICONDUCTOR	MBR10H100CT-E3/45	0	1.000	PCE	D101	
DIO SBD 10A 100V TO-220AB-3P C.C.	ON	MBR10H100CTG	0	1.000	PCE	D101	
DIO SBD 10A 100V TO-220AB-3P C.C.	DIODES	SBR10100CT	0	1.000	PCE	D101	
DIO SBD 10A 100V TO-220AB-3P C.C.	PAN JIT	MBR10100CT	0	1.000	PCE	D101	
DIO SI 1A 1KV DO-41-2P	ON Semiconductor Corporation	1N4007RLG	0	1.000	PCE	D32	
DIO SI 1A 1KV DO-204AL-2P	VISHAY SEMICONDUCTOR	1N4007-E3/73	0	1.000	PCE	D32	
DIO SI 1A 1KV DO-41-2P	PAN JIT INTERNATIONAL INC.	1N4007 T/B	100	1.000	PCE	D32	
DIO SI 1A 1KV DO-41-2P	Tianjin Zhong-Huan Semiconductor	T1N4007	0	1.000	PCE	D32	
DIO SI 1A 1KV DO-41-2P	GULF SEMICONDUCTOR LIMITED	1N4007-47L	0	1.000	PCE	D32	
DIO SI 1A 1KV DO-41-2P	FAIRCHILD SEMICONDUCTOR HK LTD.	1N4007	0	1.000	PCE	D32	
PHOTO TR 50mA 80V DIP-4P 150-300%	COSMO ELECTRONICS CORPORATION	K10103G	0	1.000	PCE	IC32	
PHOTO TR 60mA 70V DIP-4P 160-320%	VISHAY SEMICONDUCTOR	TCET1114G	0	1.000	PCE	IC32	
PHOTO TR 40mA 80V 4P 150-300% 10.16mm	NEC CORPORATION	PS2561BL1-1-V(G)	100	1.000	PCE	IC32	
PHOTO TR 50mA 70V DIP-4P 160-300%	SHARP ELECTRONIC COMPONENTS(TAIWAN)	PC123Y92FZ0F	0	1.000	PCE	IC32	
FET 600V 6A 1.2ohm TO-220FP-3P	STMicroelectronics Asia Pacific Pte	STP6NK60ZFP	100	1.000	PCE	Q1	
FET 600V 6A 1.25ohm TO-220F-3P	TOSHIBA CORP.	2SK3562(Q)	0	1.000	PCE	Q1	
FET 600V 6A 1.1ohm TO-220FI(LS)-3P	SANYO ELECTRONIC CO.,LTD.	2SK2628LS	0	1.000	PCE	Q1	
FET 600V 7A 1.2ohm TO-220F-3P	AUK CORPORATION	STK0760F	0	1.000	PCE	Q1	
TRANSFORMER MAIN RM10 800uH +/-5%	DELTA ELECTRONICS,INC.	MV-NB7291		1.000	PCE	T1	
LINE FILTER T14 10.3mH MIN	DELTA ELECTRONICS,INC.	HFV-NB7103		1.000	PCE	FL1	
CORE BEAD 3.5*1.2*6*3.5*3.5 40ohm W5	TAI-TECH ADVANCED ELECTRONICS CO,LT	BRH3.5*6*1.2		1.000	PCE	FB1	
RES SMD 1/4W 100ohm J 1206	KAMAYA		100	1.000	PCE	R101	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 100ohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X101 JTL	0	1.000	PCE	R101	
RES SMD 1/4W 100ohm J 1206	KAMAYA		100	1.000	PCE	R102	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 100ohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X101 JTL	0	1.000	PCE	R102	
RES SMD 1/4W 100ohm J 1206	KAMAYA		100	1.000	PCE	R17	
	ROYAL						

## &lt; ADP-40MH BDA CUSTOMER BOM LIST &gt;

DATE: 04/14/2008

REV: 00

DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
	TA-I						
	YAGEO						
RES SMD 1/4W 100ohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X101 JTL	0	1.000	PCE	R17	
RES SMD 1/4W 100ohm J 1206	KAMAYA		100	1.000	PCE	R8	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 100ohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X101 JTL	0	1.000	PCE	R8	
RES SMD 1/4W 1.8Mohm J 1206	KAMAYA		100	1.000	PCE	R1	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 1.8Mohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X185 JTL	0	1.000	PCE	R1	
RES SMD 1/4W 1.8Mohm J 1206	KAMAYA		100	1.000	PCE	R2	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 1.8Mohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X185 JTL	0	1.000	PCE	R2	
RES SMD 1/4W 2.2Mohm J 1206	KAMAYA		0	1.000	PCE	R4	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 2.2Mohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X225 JTL	100	1.000	PCE	R4	
RES SMD 1/4W 2.2Mohm J 1206	KAMAYA		0	1.000	PCE	R5	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 2.2Mohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X225 JTL	100	1.000	PCE	R5	
RES SMD 1/4W 3.3ohm J 1206	KAMAYA		0	1.000	PCE	R31	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 3.3ohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X3R3 JTL	100	1.000	PCE	R31	
RES SMD 1/4W 47Kohm J 1206	KAMAYA		0	1.000	PCE	R6	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 47Kohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X473 JTL	100	1.000	PCE	R6	
RES SMD 1/4W 47Kohm J 1206	KAMAYA		0	1.000	PCE	R7	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/4W 47Kohm J 1206	WALSIN TECHNOLOGY CORPORATION	WR12X473 JTL	100	1.000	PCE	R7	
RES SMD 1/2W 10mohm F 1206	CYNTEC CO.,LTD.	RL1632L R010 FN	100	1.000	PCE	R105	
RES SMD 1/10W 1K~2kohm F 0603	KAMAYA		100	1.000	PCE	R136	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 1K~2kohm F 0603 (TYPICAL RES SMD 1/10W 1.5Kohm F 0603)	WALSIN TECHNOLOGY CORPORATION	WR06X1501FTL	0	1.000	PCE	R136	
RES SMD 1/10W 10Kohm F 0603	KAMAYA		0	1.000	PCE	R134	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 10Kohm F 0603	WALSIN TECHNOLOGY CORPORATION	WR06X1002FTL	100	1.000	PCE	R134	
RES SMD 1/10W 71.5Kohm F 0603	KAMAYA		0	1.000	PCE	R133	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 71.5Kohm F 0603	WALSIN TECHNOLOGY CORPORATION	WR06X7152FTL	100	1.000	PCE	R133	
RES CH 1/10W 3.92K F 0603	KAMAYA		0	1.000	PCE	R40	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 3.92Kohm F 0603	WALSIN TECHNOLOGY CORPORATION	WR06X3921FTL	100	1.000	PCE	R40	
RES SMD 1/10W 30.1ohm F 0603	KAMAYA		0	1.000	PCE	R132	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 30.1ohm F 0603	WALSIN TECHNOLOGY CORPORATION	WR06X30R1FTL	100	1.000	PCE	R132	
RES SMD 1/10W 113Kohm F 0603	KAMAYA		0	1.000	PCE	R138	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 113Kohm F 0603	WALSIN TECHNOLOGY CORPORATION	WR06X1133FTL	100	1.000	PCE	R138	
RES SMD 1/10W 0ohm J 0603	KAMAYA		0	1.000	PCE	J1	
	ROYAL						

## &lt; ADP-40MH BDA CUSTOMER BOM LIST &gt;

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DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
	TA-I						
	YAGEO						
RES SMD 1/10W 0ohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X000 PTL	100	1.000	PCE	J1	
RES SMD 1/10W 10ohm J 0603	KAMAYA		0	1.000	PCE	R37	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 10ohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X100 JTL	100	1.000	PCE	R37	
RES SMD 1/8W 100ohm J 0805	KAMAYA		0	1.000	PCE	R33	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 100ohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X101 JTL	100	1.000	PCE	R33	
RES SMD 1/10W 100Kohm J 0603	KAMAYA		100	1.000	PCE	R34	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 100Kohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X104 JTL	0	1.000	PCE	R34	
RES SMD 1/8W 15Kohm J 0805	KAMAYA		0	1.000	PCE	R137	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 15Kohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X153 JTL	100	1.000	PCE	R137	
RES SMD 1/8W 1.8ohm J 0805	KAMAYA		100	1.000	PCE	R10	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 1.8ohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X1R8 JTL	0	1.000	PCE	R10	
RES SMD 1/8W 1.8ohm J 0805	KAMAYA		100	1.000	PCE	R11	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 1.8ohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X1R8 JTL	0	1.000	PCE	R11	
RES SMD 1/8W 1.8ohm J 0805	KAMAYA		100	1.000	PCE	R9	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 1.8ohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X1R8 JTL	0	1.000	PCE	R9	
RES SMD 1/8W 2.2Kohm J 0805	KAMAYA		0	1.000	PCE	R3	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 2.2Kohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X222 JTL	100	1.000	PCE	R3	
RES SMD 1/10W 24Kohm J 0603	KAMAYA		0	1.000	PCE	R36	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 24Kohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X243 JTL	100	1.000	PCE	R36	
RES SMD 1/10W 300ohm J 0603	KAMAYA		0	1.000	PCE	R32	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 300ohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X301 JTL	100	1.000	PCE	R32	
RES SMD 1/10W 330ohm J 0603	KAMAYA		0	1.000	PCE	R131	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 330ohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X331 JTL	100	1.000	PCE	R131	
RES SMD 1/8W 3.3ohm J 0805	KAMAYA		100	1.000	PCE	R12	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/8W 3.3ohm J 0805	WALSIN TECHNOLOGY CORPORATION	WR08X3R3 JTL	0	1.000	PCE	R12	
RES SMD 1/10W 510ohm J 0603	KAMAYA		0	1.000	PCE	R38	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 510ohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X511 JTL	100	1.000	PCE	R38	
RES SMD 1/10W 5.1Kohm J 0603	KAMAYA		0	1.000	PCE	R135	
	ROYAL						
	TA-I						
	YAGEO						
RES SMD 1/10W 5.1Kohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X512 JTL	100	1.000	PCE	R135	
RES SMD 1/10W 56Kohm J 0603	KAMAYA		0	1.000	PCE	R39	
	ROYAL						
	TA-I						
	YAGEO						

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DATE: 04/14/2008

REV: 00

DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
RES SMD 1/10W 56Kohm J 0603	WALSIN TECHNOLOGY CORPORATION	WR06X563 JTL	100	1.000	PCE	R39	
CAP MC SMD 50V 100pF J C0G 0603	AVX		0	1.000	PCE	C35	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 100pF J C0G 0603	WALSIN TECHNOLOGY CORPORATION	0603N101J500LT	100	1.000	PCE	C35	
CAP MC SMD 50V 560pF J C0G 0603	AVX		0	1.000	PCE	C131	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 560pF J C0G 0603	WALSIN TECHNOLOGY CORPORATION	0603N561J500LT	100	1.000	PCE	C131	
CAP MC SMD 50V 680pF J C0G 0603	AVX		0	1.000	PCE	C132	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 680pF J C0G 0603	WALSIN TECHNOLOGY CORPORATION	0603N681J500LT	100	1.000	PCE	C132	
CAP MC SMD 50V 1000pF K X7R 0603	AVX		0	1.000	PCE	C36	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 1000pF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B102K500CT	100	1.000	PCE	C36	
CAP MC SMD 50V 1000pF K X7R 0603	AVX		0	1.000	PCE	C39	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 1000pF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B102K500CT	100	1.000	PCE	C39	
CAP MC SMD 50V 0.1uF K X7R 0603	AVX			1.000	PCE	C133	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0603	AVX		0	1.000	PCE	C33	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B104K500CT	100	1.000	PCE	C33	
CAP MC SMD 50V 0.1uF K X7R 0603	AVX		0	1.000	PCE	C34	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B104K500CT	100	1.000	PCE	C34	
CAP MC SMD 50V 0.1uF K X7R 0603	AVX		0	1.000	PCE	C37	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B104K500CT	100	1.000	PCE	C37	
CAP MC SMD 50V 0.1uF K X7R 0603	AVX		0	1.000	PCE	C38	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0603	WALSIN TECHNOLOGY CORPORATION	0603B104K500CT	100	1.000	PCE	C38	
CAP MC SMD 50V 0.1uF K X7R 0805	AVX		0	1.000	PCE	C104	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 50V 0.1uF K X7R 0805	WALSIN TECHNOLOGY CORPORATION	0805B104K500CT	100	1.000	PCE	C104	
CAP MC SMD 200V 680pF K X7R 0805	AVX			1.000	PCE	C101	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 16V 0.1uF K X7R 0603	AVX		100	1.000	PCE	C135	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 16V 1uF K X7R 0805	AVX		100	1.000	PCE	C134	
	KEMET						



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DATE: 04/14/2008

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DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 500V 1000pF K X7R 1206	AVX		100	1.000	PCE	C2	
	KEMET						
	MURATA						
	PHYCOMP						
	TDK						
CAP MC SMD 500V 1000pF K X7R 1206	WALSIN TECHNOLOGY CORPORATION	1206B102K501CT	0	1.000	PCE	C2	
CAP MC SMD 1KV 33pF~100pF J C0G 1206	KEMET ELECTRONICS CORPORATION	C1206C560JDGAC	100	1.000	PCE	C5	
CAP MC SMD 1KV 33pF~100pF J C0G 1206	HOLY STONE ENTERPRISE CO LTD	CG1206N560J102T	0	1.000	PCE	C5	
(TYPICAL CAP MC SMD 1KV 56pF J C0G 1206)							
DIO ZEN 500mW 11.44-12.03V MINIMELF-2P	VISHAY SEMICONDUCTOR	TLZ12B-GS08	0	1.000	PCE	ZD31	
DIO ZEN 500mW 11.44-12.03V LLDS-2P SMD	ROHM CO.,LTD.	RLZ TE-11 12B	100	1.000	PCE	ZD31	
DIO ZEN 500mW 11.74-12.35V MINIMELF-2P	VISHAY SEMICONDUCTOR	TLZ12C-GS08	100	1.000	PCE	ZD31	
DIO ZEN 500mW 11.74-12.35V MINIMELF-2P	ROHM CO.,LTD.	RLZ TE-11 12C	0	1.000	PCE	ZD31	
(TYPICAL DIO ZEN 500mW 11.44-12.03V LLDS-2P SMD)							
DIO ZEN 500mW 11.74-12.35V MINIMELF-2P	VISHAY SEMICONDUCTOR	TLZ12C-GS08	100	1.000	PCE	ZD32	
DIO ZEN 500mW 11.74-12.35V MINIMELF-2P	ROHM CO.,LTD.	RLZ TE-11 12C	0	1.000	PCE	ZD32	
DIO ZEN 500mW 14.35-15.09V MINIMELF-2P	VISHAY SEMICONDUCTOR	TLZ15C-GS08	0	1.000	PCE	ZD33	
DIO ZEN 500mW 14.35-15.09V MINIMELF-2P	ROHM CO.,LTD.	RLZ TE-11 15C	100	1.000	PCE	ZD33	
DIO SW 200mA 250V MINIMELF-2P SMD	ROHM CO.,LTD.	RLS245 TE-11	0	1.000	PCE	D31	
DIO SW 250mA 250V SOD80C-2P SMD	NXP Semiconductors	BAV103,135	0	1.000	PCE	D31	
DIO SW 250mA 250V MINIMELF-2P SMD	VISHAY SEMICONDUCTOR	BAV103-GS08	100	1.000	PCE	D31	
DIO SW 250mA 85V SOD-323-2P SMD	NXP Semiconductors	BAS316	100	1.000	PCE	D131	
DIO SW 250mA 85V SOD-323-2P SMD	NXP Semiconductors	BAS316	100	1.000	PCE	D33	
DIO SW 250mA 85V SOD-323-2P SMD	NXP Semiconductors	BAS316	100	1.000	PCE	D34	
DIO SW 225mA 90V SOD-323-2P SMD	ROHM CO.,LTD.	1SS355 TE-17	0	1.000	PCE	D131	
DIO SW 225mA 90V SOD-323-2P SMD	ROHM CO.,LTD.	1SS355 TE-17	0	1.000	PCE	D33	
DIO SW 225mA 90V SOD-323-2P SMD	ROHM CO.,LTD.	1SS355 TE-17	0	1.000	PCE	D34	
DIO SW 200mA 100V SOD-323-2P SMD	ON Semiconductor Corporation	MMDL914T1G	0	1.000	PCE	D131	
DIO SW 200mA 100V SOD-323-2P SMD	ON Semiconductor Corporation	MMDL914T1G	0	1.000	PCE	D33	
DIO SW 200mA 100V SOD-323-2P SMD	ON Semiconductor Corporation	MMDL914T1G	0	1.000	PCE	D34	
TR 40V 600mA SOT-23-3P 100-300 SMD	ON Semiconductor Corporation	MMBT4401LT1G	100	1.000	PCE	Q31	
TR 40V 600mA SOT-23-3P 100-300 SMD	NXP Semiconductors	PMBT4401,215	0	1.000	PCE	Q31	
TR 40V 600mA SOT-23-3P 100-300 SMD	KEC ELECTRONICS CO.,LTD	KN4401S RTK/P	0	1.000	PCE	Q31	
EOL IC ASIC DUAL OP+VOL REF SOIC-8P SMD	TEXAS INSTRUMENTS	DAS01A	0	1.000	PCE	IC131	
IC ASIC DUAL OP+VOL REF SOIC-8P SMD	STMicroelectronics Asia Pacific Pte	DAS01A	100	1.000	PCE	IC131	
IC ASIC PWM SO-8P SMD	ON Semiconductor Corporation	DAP008ADR2G		1.000	PCE	IC31	
BEAD CH 31ohm 6A 1206	CHILISIN ELECTRONICS CORP.	UPB321611T-310Y-NA	0	1.000	PCE	FB101	
BEAD CH 31ohm 6A 1206	TAI-TECH ADVANCED ELECTRONICS CO,LT	HCB3216KF-310T60	100	1.000	PCE	FB101	
PWB S 0 E2 CEM-1 90.8*35.4*1	AE			1.000	PCE	PWB	
	BRITE PLUS						
	DRACO						
	GLORY FAITH						
	HSIANG KUO						
	KEENRICH						
	SHENG KHUANG						
	SHYE FENG						
	TECHNI						
	WANNIENFU						
SOCKET C6 SK-1024M 1.2 #20	DELTA			1.000	PCE		
DC POWER CORD PLUG L1800 BLK	ASLINK (2007/10/09)			1.000	PCE		
	CAROL						
	FOXCONN						
	JI-HAW						
	WENTAI						
SCREW M M3*0.5*7 FF C S18C ZN	LIANYING			1.000	PCE		FOR HS1
	SCREWTECH						
NUT HEXH M3*0.5*2.4 S17C ZN	LIANYING			1.000	PCE		FOR HS1
	SCREWTECH						
LABEL PACKING ART PAPER 75*105 T0.125	CYMMETRIK			0.025	PCE		FOR PSE REQUIREMENT
	YONG TA						
TAPE POLYESTER 14mm 1L #44 YEL	Minnesota Mining Manufacture Co.,	#44 W=14	100	20.000	MMT		FOR C1
TAPE PET 14mm 1L WF-2902 YEL	YAHUA STICKING TAPE CO LTD	WF-2902 W=14	0	20.000	MMT		FOR C1
TAPE POLYESTER 10mm 1L #1350F-1 YEL	Minnesota Mining Manufacture Co.,	#1350F-1 W=10	100	60.000	MMT		FOR SHIELD
TAPE POLYESTER 10mm 1L CT-280 LIGHT YEL	YAHUA STICKING TAPE CO LTD	CT-280 W=10	0	60.000	MMT		FOR SHIELD
TAPE POLYESTER 32mm 3L #1350F-1 YEL	Minnesota Mining Manufacture Co.,	#1350F-1 W=32 3L		0.022	MTR		FOR HS2
TAPE PET 12mm 3L #1350F-1 YEL	Minnesota Mining Manufacture Co.,	#1350F-1 W=12 3L		30.000	MMT		FOR HSK2

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DATE: 04/14/2008

REV: 00

DESCRIPTION	MFG NAME	MFG PART	%	QPA	UNIT	DESIGN NO	Item text 1
TAPE PET 12mm 3L #1350F-1 YEL	Minnesota Mining Manufacture Co.,	#1350F-1 W=12 3L		14.000	MMT		FOR HSK2
TAPE POLYESTER 15mm 3L #1350F-1 YEL	Minnesota Mining Manufacture Co.,	#1350F-1 W=15 3L		17.000	MMT		FOR HSK1
TAPE POLYESTER 20mm #1350T-3 YEL	Minnesota Mining Manufacture Co.,	#1350T-3 W=20		0.012	MTR		FOR INSULATOR
TUBE HS POLYOLEFIN 8*0.25 BLK	LONGWELL	LHS-125FR		11.000	MMT		FOR F1
	SANLIAN	S-901					
	SUMITOMO	SUMITUBE F32					
	TYCO(RAYCHEM)	VERSAFIT/VERSAFIT V2					
TUBE TEFLON 0.71 #22 TW CLEAR				14.000	MMT		FOR NTC2
TUBE TEFLON 0.71 #22 TW CLEAR				14.000	MMT		FOR NTC2
TUBE TEFLON 20*0.3 #20 TW CLEAR				16.000	MMT		FOR C1
	MARKEL	TFE-200C-150V					
	MARKEL	TFE-200C-300V					
	MARKEL	TFE-200C-600V					
	ZEUS	TFE-SW-600					
	ZEUS	TFE-TW-300					
	ZEUS	TFE-LW-150					
INSULATOR PP 26*10*6*0.45 BLK	ITW FORMEX	FORMEX GK-17		1.000	PCE		
	ITW FORMEX	FORMEX-18					
	SABIC	FR25A					
	SABIC	FR700					
INSULATOR CR RUBBER 10*3 T2.5				1.000	PCE		
INSULATOR CR RUBBER 8*3 T2.5				3.000	PCE		
PAD RUBBER 94V0 16*3*2.4 BLK				1.000	PCE		
INSULATOR PC 94V0 17*17*0.43 BLK	ITW FORMEX	FORMEX-18		1.000	PCE		
	ITW FORMEX	FORMEX GK-17					
	SABIC	FR700					
	SABIC	FR25A					
LABEL PACKING PAPER 30*20 T0.075 ADP-90S				0.025	PCE		FOR RoHS
LABEL PACKING PAPER 100*70 T0.1 ADP-90SB				0.025	PCE		FOR CARTON
LABEL BARCODE POLYESTER 55*9 T0.05				1.000	PCE		BARCODE
LABEL BARCODE ART PAPER 145*165 T0.05				0.025	PCE		FOR ECS
LABEL SPEC POLYESTER 72*28 T0.1 ADP-40MH				1.000	PCE		CARTON LABEL
	CYMMETRIK						FOR SPEC
	YONG TA						
CASE CHASSIS PC 94V0 96*42 BLK			100	1.000	PCE		FOR 6485
CASE COVER PC 94V0 96*42*20.2 BLK			100	1.000	PCE		FOR 6485
CASE CHASSIS PC 94V0 96*42 BLK			0	1.000	PCE		FOR 945
CASE COVER PC 94V0 96*42*20.2 BLK			0	1.000	PCE		FOR 945
	BAYER	MAKROLON 6485					
	SABIC	LEXAN 945					
HSK STAMP SPTE 26.5*16.5 T0.5 TIN PLATED				1.000	PCE		HSK2
HSK STAMP SPTE 60.5*16.5 T0.5 TIN PLATED				1.000	PCE		HSK1
	HENG YU						
	HOO THAI						
	WANCHENG (2008/01/10)						
	WEIDI						
	WEISHENG						
JUMP WIRE TEFLON 1330 #22 17.5*4 CLEAR				1.000	PCE	J2	
SHIELD AL 69*37.2*22.2*0.2				1.000	PCE		
SHIELD ASSY ADP-40MH BA	CHON YANG			1.000	PCE		
	HOO THAI						

REPORTED BY	MATERIAL GROUP	DESIGN ENG	APPROVED BY
Jolan.Hung			

# 9.Safety License







# 中国国家强制性产品认证证书

证书编号: 2007010907253995

## 申请人名称及地址

台达电子工业股份有限公司  
台湾省 桃园县 中坜工业区东园路 3 号

商标: Delta

## 制造商名称及地址

台达电子工业股份有限公司  
台湾省 桃园县 中坜工业区东园路 3 号

## 生产企业名称及地址

中达电子(江苏)有限公司  
215200 中国江苏省吴江市吴江开发区江兴东路1688号

## 产品名称和系列、规格、型号

电源适配器

ADP-40MH BX (X可以是 A, B, C, D 分别代表不同输出) 输入: AC 100-240V, 50-60Hz, 1.2A  
Class I; ADP-40MH BA 输出: DC 18.5V/2.15A, ADP-40MH BB 输出: DC 19V/2.1A, ADP-40MH BC  
输出: DC 19.5V/2.05A, ADP-40MH BD 输出: DC 20V/2A (产品销售时不配备电源线)

## 产品标准和技术要求

GB4943-2001, GB9254-1998, GB17625.1-2003

上述产品符合强制性产品认证实施规则的要求, 特发此证。

发证日期: 2007年11月06日

本证书的有效期依据发证机构的定期监督获得保持。



主任:

李怀林

中国质量认证中心

中国·北京·南四环西路188号9区 100070

网址: [www.cqc.com.cn](http://www.cqc.com.cn)







# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2007010907253995

## NAME AND ADDRESS OF THE APPLICANT

Delta Electronics, Inc.  
3, Tung Yuan Road, Chungli Industrial Zone, Taoyuan Shien 320, Taiwan

TRADE MARK: Delta

## NAME AND ADDRESS OF THE MANUFACTURER

Delta Electronics, Inc.  
3, Tung Yuan Road, Chungli Industrial Zone, Taoyuan Shien 320, Taiwan

## NAME AND ADDRESS OF THE FACTORY

Delta Electronics (Jiang Su), Ltd.  
No. 1688, Jiangxing East Road, Wujiang Economic Development Zone, Wujiang City, Jiang  
Su Province, 215200, P.R. China

## NAME, MODEL AND SPECIFICATION

AC/DC ADAPTER

ADP-40MH BX (X可以是 A, 3, C, D 分别代表不同输出) 输入: AC 100-240V, 50-60Hz, 1.2A,  
Class I; ADP-40MH BA 输出: DC 18.5V/2.16A, ADP-40MH BB 输出: DC 19V/2.1A, ADP-40MH BC  
输出: DC 19.5V/2.05A, ADP-40MH BD 输出: DC 20V/2A (产品附带的个配套电源线)

## THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB4943-2001, GB9254-1998, GB17625.1-2003

THIS IS TO CERTIFY THAT THE ABOVE MENTIONED PRODUCTS HAVE QUALIFIED FOR THE  
REQUIREMENTS OF IMPLEMENTATION RULES FOR COMPULSORY CERTIFICATION

ISSUED DATE: Nov. 06, 2007

THE VALIDITY OF THE CERTIFICATE DEPEND ON THE FOLLOW UP INSPECTION BY THE  
CERTIFICATION BODY AT REGULAR INTERVALS



President:

李怀林

Li Huailin

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R. China





СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р  
ГОССТАНДАРТ РОССИИ



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС СНА.АЯ46.В69149

Срок действия с 30.10.2007

по 29.10.2010

7655450

ОРГАН ПО СЕРТИФИКАЦИИ рег. № РОСС RU.0001.11АЯ46  
ПРОМЫШЛЕННОЙ ПРОДУКЦИИ "РОСТЕСТ-МОСКВА"

Юридический адрес: 119049, г. Москва, ул. Житная, д. 14, стр. 1

Почтовый адрес: 117418, г. Москва, Нахимовский пр., д. 31, тел. 129-26-00, факс 332-99-11

ПРОДУКЦИЯ Адаптеры торговой марки "DELTA", модель ADP-40MH BX, где  
"X" буква А, В, С или D  
Серийный выпуск

код ОК 005 (ОКП):  
40 2520

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

ГОСТ Р МЭК 60950-2002, ГОСТ Р 51318.22-99, ГОСТ Р 51317.3.2-99, ГОСТ Р  
51317.3.3-99

код ТН ВЭД России:  
8473 30 000 0

ИЗГОТОВИТЕЛЬ Фирма "Delta Electronics, Inc."

3, Tung Yuan Road, Chungli Ind. Zone, Taoyuan Hsien 320 Taiwan; заводы-изготовители по приложению, бланк  
№ 1772359, Китай

СЕРТИФИКАТ ВЫДАН Фирма "Delta Electronics, Inc."

3, Tung Yuan Road, Chungli Ind. Zone, Taoyuan Hsien 320 Taiwan, Тайвань (Китай)

НА ОСНОВАНИИ Протокол испытания № 1229/07 от 25.10.2007 ИЛ по требованиям ЭМС

"РОСТЕСТ-Москва" (рег. № РОСС.0001.21МЭ19 от 10.07.2006 г.)

Сертификат СВ TEST JPTUV-020624 от 19.10.2007 г. НСО по сертификации "TUV Rheinland Japan", Япония

Протокол испытаний № 11011639 001 от 18.10.2007 г., "TUV Rheinland Taiwan Ltd.", Тайвань

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема сертификации 3.



Руководитель органа

*[Signature]*  
подпись

Н.Н. Герман

инициалы, фамилия

Эксперт

*[Signature]*  
подпись

Б.П. Чумаков

инициалы, фамилия

Сертификат имеет юридическую силу на всей территории Российской Федерации

# СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р ГОССТАНДАРТ РОССИИ

1772359

## ПРИЛОЖЕНИЕ

К сертификату соответствия № РОСС CN.АЯ46.В69149

**Перечень конкретной продукции, на которую распространяется  
действие сертификата соответствия**

код ОК 005 (ОКП)	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, — по которой выпускается продукция
код ТН ВЭД СНГ		

ИЗГОТОВИТЕЛЬ: Фирма "Delta Electronics,  
Inc."  
3, Tung Yuan Road, Chungli Ind. Zone,  
Taoyuan Hsien 320 Taiwan;

заводы-изготовители:

"Delta Electronics (Thailand) Public  
Co., Ltd."  
909 Soi 9, Moo 4, Bangpoo Ind. Estate  
(E.P.Z), Pattana 1 Road, Tambol Phraksa,  
Amphur Muang, Samutprakarn 10280,  
Thailand

"Delta Electronics (Jiang Su), Ltd."  
No. 1688, Jiangxing East Road, Wujiang  
Economic Development Zone, Wujiang City,  
Jiang Su 215200, P.R. China



Руководитель органа

подпись

Н. Н. Герман  
инициалы, фамилия

Эксперт

подпись

Б. П. Чумаков  
инициалы, фамилия



## DECLARATION OF CONFORMITY

Ref# : SE97092003

Page 1 of 1

### Manufacturer:

Name: Delta Electronics, Inc.

Address: 3 Tung Yuan Road, Chungli Industrial Zone,

Taoyuan County 32063, Taiwan

Tel: 886- 3- 4526107

Fax: 886 -3- 4527314

### Importer:

Name: Delta Electronics Europe Ltd.

Address: 1 Redwood Court Peel Park Campus

East Kilbride, G74 5PF, Scotland, UK.

Tel: 44-0-1355-588888

Fax: 44-0-1355-588889

### Declares that:

Product Name: Power Adaptor

Type Designation: ADP-40MH AX, ADP-40MH BX (X=A, B, C, D)

Input Rating: 100-240V/1.2A, 50-60Hz

Output Rating: For ADP-40MH AA/ADP-40MH BA: DC +18.5V/2.16A, ADP-40MH AB/ADP-40MH BB:DC +19V/2.1A, ADP-40MH AC/ADP-40MH BC: DC +19.5V/2.05A, ADP-40MH AD/ADP-40MH BD: DC +20V/2A

### Compliance with the Following:

Standards	Directives	Tested by	Test Report No. (Certificate No.)
IEC 60950-1: 2001	2006/95/EC (Low Voltage Directive)	TUV	11011638 001, 11011639 001 (JPTUV-020625, JPTUV-020624)
EN 60950-1: 2001+A1: 2004			
EN 55022: 2006,class B	2004/108/EC (EMC Directive)	Sporton	EC7O1617
EN 61000-3-2: 2000		International Inc.	
EN 61000-3-3: 1995/A1:2001			
EN 55024: 1998/A1:2001/A2:2003			
IEC 61000-4-2: Edition1.2: 2001-04			
IEC 61000-4-3: 2002/A1: 2002			
IEC 61000-4-4: 2004			
IEC 61000-4-5: Edition1.1: 2001-04			
IEC 61000-4-6: Edition2.1: 2004-11			
IEC 61000-4-8: Edition1.1: 2001-03			
IEC 61000-4-11: Second Edition-2004-03			

Signed:

Amy Lin

Engineer

Regulatory & Reliability Engineering

Power System Business Group I

Delta Electronics, Inc.

Place: Taiwan

Date: 2007/10/26

Signed:

Jackie Chang

General Manager

Delta European Operation

Delta Electronics Europe Ltd.

Place: UK

Date: 2007/10/26





## QQGQ.E131881

### Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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### Power Supplies, Information Technology Equipment Including Electrical Business Equipment

[See General Information for Power Supplies, Information Technology Equipment Including Electrical Business Equipment](#)

#### DELTA ELECTRONICS INC

E131881

3 TUNG YUAN RD  
CHUNGLI INDUSTRIAL ZONE  
TAOYUAN HSIEN, 320 TAIWAN

**AC Adapter**, Model(s) 42T5276, 92P1153, 92P1154, 92P1155, 92P1156, 92P1189, 92P1191, A1097, A1172, A1188, A411 B, AC1202, ADP-120TB A, ADP-180FB A, ADP-180GB B, ADP-180HB B, PA3546E-1AC3, ADP-36EH A, PC-AP8100, ADP-64CB B, VGP-AC16V9, ADP-65HB AB, ADP-65HB AX (a1), SADP-65KB CX(a), ADP-65YB B, ADP-90JH A, ADP-90NB B, ADP-90NB C, ADP-90NB D, D220P-01, SADP-220DB B, DA230PS0-00, DA65NS4-00, DA90PS1-00, DA90PS2-00, DPSN-168CB XX@, EA-RD1V, EADP-108AB A, EADP-10CB A, FCLSD-0604, EADP-12CB B, EADP-15DB A, EADP-15HB A, EADP-15MB A, EADP-15MB B, EADP-15NB A, EADP-15PB A, EADP-15PB C, EADP-18FB B, EADP-20EB B, EADP-220AB B, EADP-150DB B, EADP-24DB A, EADP-24EB B, EADP-24FB A, EADP-24HB B, EADP-24KB B, EADP-5CB A, EADP-5CB AB, EADP-15DB A, K30266, PA3241U-2ACA, PA3282U-2ACA, PA3377E-2ACA, PA3282U-2ACA, PA3377E-2ACA, PA3378E-2ACA, PCGA-AC19V7, PCS-AC19V6A, PPP009D, SADP-65KB DX(a), ADP-65HB BX(a1), PPP014D-S, SADP-65NB AX, SADP-65NB BX(a), SADP-75PB A, PA3283U-5ACA, SADP-75PB B, PA3378E-3AC3, SADP-90FH A, SADP-90FH B, VGP-AC19V17, ADP-150NB C, VGP-AC19V19, VGP-AC19V21, VGP-AC19V22, VGP-AC19V23 and VGP-AC19V24, VGP-AC19V25, VGP-AC19V26.

**AC Adaptor**, Model(s) 1AV4U11B30200, 42T5274, A1071, A1184, A1222, AC-380, ADP-100FB XX, ADP-120UB B, ADP-120VB B, ADP-17FB A, ADP-180EB B, ADP-180EB D, ADP-36CH A, ADP-36CH B, ADP-36EH B, ADP-40FH A, ADP69, ADP-45AD A, ADP-48HB B, ADP-50UH A, ADP-64CB, ADP-65HB AX, ADP-65HB BX, PPP0009D(#), ADP-75RB A, ADP-75SB AX (a), ADP-75SB BX (a), ADP-80NB A, ADP-90NB A, ADP-90YB C, ADP83, DA65NS0-00, DA90PS0-00, DPSN-24GB AX, DW7187, EA-TX1V, EA-TX2V and SADP-220DB A, EADP-12BB B, EADP-15BB A, EADP-15JB B, EADP-20DB A, EADP-24CB B, EADP-25AB A, EADP-25CB B, EADP-25CB A, EADP-30BB A, EADP-30BB B, EADP-42BB A, EADP-45AB B(.), EADP-45BB B, EADP-48BB A, EADP-48BB B, EADP-50AB B, EADP-50DB B, EADP-60DB, EADP-60EB A, 1AV4U11B30100, EADP-60EB B, EADP-60FB B, EADP-90AB B, HSTNN-DA03, K30245, K30270, K30292, K30291, K30297, NL-A72J, PA2521U-3ACA, PA3507U-1ACA, ADP-120YB A, PC-AP8200, PCGA-AC19V4, PPP012D-S, SADP-120CH A, SADP-120CH B, SADP-135EB B, SADP-230AB D, SADP-60YH A, SADP-65KB C, SADP-75TB A, VGP-AC16V8.

**AC Adaptors**, Model(s) 02K7087, 02K7088, 02K7089, 02K7090, 08K8206, 08K8207, 08K8208, 08K8209, 0950-4334, 0950-4340, 0950-4401, 0950-4406, 2862, 2862A, 92P1028, 92P1029, 92P1030, 92P1031, A1021, A1096, A1036, A1070, A1102, A1105, A291B, A351H, AC-007XX, AC-DP001, ADP-120JB A, 92P1026, 92P1027, ADP-120MB, ADP-120NB A, ADP-120NB B, ADP-120SB A, ADP-120TB B, ADP-120ZB AA, ADP-120ZB AB, ADP-120ZB AC, ADP-120ZB AD, EADP-120CB A, ADP-120ZB BX(a), ADP-12CH A, ADP-12DH A, ADP-135DB AX, ADP-135DB BX, ADP-13CBA, ADP-14EB A, ADP-14EB B, ADP-150BB B, ADP-150CB A, ADP-150CB B, ADP-150EB B, ADP-150GB BA, ADP-150GB BB, ADP-15GH B, AY4321/17, ADP-15HH A, ADP-15NH A, ADP-16GB A, ADP-180AB, ADP-180BB B, ADP-180CB B, ADP-18PB, ADP-220AB B, ADP-24MB, ADP-29EB A, ADP-33AB XX\*, ADP-36DH A, ADP-4EB XX\*, ADP-50UH A, ADP-55CB B, ADP-60NH, ADP-60NH B, ADP-60RH A, ADP-60RH B, PA3282U-1ACA, PA3365U-1ACA, PA3377E-1ACA, ADP-64BB B, ADP-65JB B, ADP-65LB AX (b), ADP-65MB B, ADP-72DB B, 65P8322, 92P1018, 92P1019, ADP-72EB A, 92P1020, 92P1021, ADP-75FB BXX, ADP-75FB XX, ADP-75HB REV.B, ADP-75HBXX\*, ADP-75KB A, ADP-75KB B, ADP-80LB A, ADP-90AH B, ADP-90HB, ADP-90HBB, ADP-90SB Ax, EA-AL1V (-), PA3516U-1ACA, ADP-90YB, ADP-90YB B, D220P-01, EADP-150DB B, DPS-136AP, DPS-200TP, DPS-30NB XX, DPSN-22CB XX@, DTL-H10020, DTL-H10200, EA-AL1V, EA-CG1V, EADP-10BB REV.B, EADP-15CB A, NL-A75J, EADP-60BB B, ESRPS1 XX, F1236A#ABA, f4600a, f4814a, L1864-80001, MCS-AC1, EADP-10AB A, PA3283U-3ACA, PA3378E-1ACA, PA3507E-1AC3, ADP-120YB B, PC-AP7000, PCGA-AC19V3, PWSP0022 XY, RPS-800-1, RPS-800-2, SADP-220CB BX(a), SADP-220DB B, SADP-65KB AX, PC-AP7800, SADP-65KB BX, VGP-AC19V10, VGP-AC19V12, VGP-AC5V1.

**AC/DC Adapter**, Model(s) ADP-40MH AX, ADP-40MH BX(a1), EADP-16BB A, EADP-30FB A, EADP-32CB B, EADP-60KB B.

**AC/DC Adaptor**, Model(s) ADP-15ZB B.

**Accessory Xbox 360 Quick Charger Kit**, Model(s) DPSN-10EB XX (m).

**Accessory-Switching Power Supply**, Model(s) DPS-180KB-7 XX, DPS-220DB XX, DPS-180KB-6 XX, DPS-220DB-1 XX(&), DPS-225KB XX (\$), DPS-225KB-1 XX (\$), DPS-225LB XX (\$), DPS-225LB-1 XX (\$), DPS-310HB XX, DPS-310HB-2 XX, DPS-230JB XX, DPS-230JB-2 XX(\$).

**Auto-Air AC Adaptor**, Model(s) DA65NS3-00.

**Auto/AC Adaptor**, Model(s) S26113-E515-V55.

**Battery Back-Up Unit**, Model(s) DBBU-1238.

**Direct Plug In Adaptor**, Model(s) EADP-9BB REV.B.

**Direct Plug-In Adapter**, Model(s) PV-AC31.

**Direct plug-In adapters**, Model(s) 0950-4404, 190162-0000, AD-20, ADP-18LB B, ADP-3ZB A, ADP-4RB B, ADP-5FH B, EA-75, ADP-5ZB B, PV-AC01.

**Direct Plug-In Power Adaptor**, Model(s) A391UC, PV-AC11.

**Listed Accessory AC Adaptor**, Model(s) DPSN-186CB XX, DPSN-186DB XX(\$), DPSN-186EB XX(m), DPSN-216BB XX.

**Listed Accessory-Switching Power Supply**, Model(s) DPS-280FB XX(\$).

**Power Adaptor**, Model(s) ADP-90RH B, ADP-90SB BX (a), PA3516E-1AC3.

**Power Backup Supply**, Model(s) ADP-18RB A, PB-1000.

**Power Supply**, Model(s) ADP-180EB B, ADP-60AF, ADP-58AF, ADP-60ZH A, ADP-63BB B, ADP-90AB B, ADP-90AH B, ADP-9HB A, DPS-200PB-156 XX(\$), DPS-225DB XX(=).

**Switching power supplies**, Model(s) A181B, ADP-18KB AX, ADP-30CH A, ADP-58AF, ADP-60AF, DPS-230HB XX, DPS-310CB XX.

**Switching Power Supply**, Model(s) DPS-200PB-165 XX(\$).

**Switching power supply**, Model(s) DPS-225GB XX, DPS-225HB XX (\$), DPS-225HB CX (\$), DPS-275LB XX, DPS-275LB-1 XX (\$), DPS-280GB XX (\$), DPS-280HB XX(\$).

**Switching Power Supply**, Model(s) DPS-280JB XX(\$).

**Switching power supply**, Model(s) DPS-400TB BX (\$).

**Switching Power Supply**, Model(s) DPS-650PB XX, EADP-20FB A.

**Switching power supply**, Model(s) EADP-25BB A, PA3543U-1ACA, EADP-30CB B.

**Zune AC Adapter**, Model(s) 1128.

# - X=A, B, C, D or blank

(\$)- Where X can be 0-9, A-Z or blank

(&) - Where X can be any alphanumeric character or blank

(=) - where X could be 0-9, A-Z, a-z or blank

(a) - Where X can be A, B, C, D, blank

(a1) - Where X can be A, B, C, D

(b) - Where X may be A, B, C or D for different output rating, A is for +18.5 V, B is for +19 V, C is for +19.5 V, D is for +20 V

\* - Where "X" is A-Z, 0-9, dash, dot, or blank.

@ - X=0-9, A-Z or Blank

~ - X may be A, B, C or D to denote different output rating

Last Updated on 2007-10-25

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### Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada

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#### DELTA ELECTRONICS INC

E131881

3 TUNG YUAN RD  
CHUNGLI INDUSTRIAL ZONE  
TAOYUAN HSIEN, 320 TAIWAN

**AC Adapter**, Model(s) 42T5276, 92P1153, 92P1154, 92P1155, 92P1156, 92P1189, 92P1191, A1097, A1172, A1188, A411 B, AC1202, ADP-120TB A, ADP-180FB A, ADP-180GB B, ADP-180HB B, PA3546E-1AC3, ADP-36EH A, PC-AP8100, ADP-64CB B, VGP-AC16V9, ADP-65HB AB, ADP-65HB AX (a1), SADP-65KB CX(a), ADP-65YB B, ADP-90JH A, ADP-90NB B, ADP-90NB C, ADP-90NB D, D220P-01, SADP-220DB B, DA230PS0-00, DA65NS4-00, DA90PS1-00, DA90PS2-00, DPSN-168CB XX@, EA-RD1V, EADP-108AB A, EADP-10CB A, FCLSD-0604, EADP-12CB B, EADP-15DB A, EADP-15HB A, EADP-15MB A, EADP-15MB B, EADP-15NB A, EADP-15PB A, EADP-15PB C, EADP-18FB B, EADP-20EB B, EADP-220AB B, EADP-150DB B, EADP-24DB A, EADP-24EB B, EADP-24FB A, EADP-24HB B, EADP-24KB B, EADP-5CB A, EADP-5CB AB, EAPD-15DB A, K30266, PA3241U-2ACA, PA3282U-2ACA, PA3377E-2ACA, PA3282U-2ACA, PA3377E-2ACA, PA3378E-2ACA, PCGA-AC19V7, PCS-AC19V6A, PPP009D, SADP-65KB DX(a), ADP-65HB BX(a1), PPP014D-S, SADP-65NB AX, SADP-65NB BX(a), SADP-75PB A, PA3283U-5ACA, SADP-75PB B, PA3378E-3AC3, SADP-90FH A, SADP-90FH B, VGP-AC19V17, ADP-150NB C, VGP-AC19V19, VGP-AC19V21, VGP-AC19V22, VGP-AC19V23 and VGP-AC19V24, VGP-AC19V25, VGP-AC19V26.

**AC Adaptor**, Model(s) 1AV4U11B30200, 42T5274, A1071, A1184, A1222, AC-380, ADP-100FB XX, ADP-120UB B, ADP-120VB B, ADP-17FB A, ADP-180EB B, ADP-180EB D, ADP-36CH A, ADP-36CH B, ADP-36EH B, ADP-40FH A, ADP69, ADP-45AD A, ADP-48HB B, ADP-50UH A, ADP-64CB, ADP-65HB AX, ADP-65HB BX, PPP0009D(#), ADP-75RB A, ADP-75SB AX (a), ADP-75SB BX (a), ADP-80NB A, ADP-90NB A, ADP-90YB C, ADP83, DA65NS0-00, DA90PS0-00, DPSN-24GB AX, DW7187, EA-TX1V, EA-TX22V and SADP-220DB A, EADP-12BB B, EADP-15BB A, EADP-15JB B, EADP-20DB A, EADP-24CB B, EADP-25AB A, EADP-25CB B, EADP-25CB A, EADP-30BB A, EADP-30BB B, EADP-42BB A, EADP-45AB B(.), EADP-45BB B, EADP-48BB A, EADP-48BB B, EADP-50AB B, EADP-50DB B, EADP-60DB, EADP-60EB A, 1AV4U11B30100, EADP-60EB B, EADP-60FB B, EADP-90AB B, HSTNN-DA03, K30245, K30270, K30292, K30291, K30297, NL-A72J, PA2521U-3ACA, PA3507U-1ACA, ADP-120YB A, PC-AP8200, PCGA-AC19V4, PPP012D-S, SADP-120CH A, SADP-120CH B, SADP-135EB B, SADP-230AB D, SADP-60YH A, SADP-65KB C, SADP-75TB A, VGP-AC16V8.

**AC Adaptors**, Model(s) 02K7087, 02K7088, 02K7089, 02K7090, 08K8206, 08K8207, 08K8208, 08K8209, 0950-4334, 0950-4340, 0950-4401, 0950-4406, 92P1028, 92P1029, 92P1030, 92P1031, A1021, A1096, A1036, A1070, A1102, A1105, A291B, A351H, AC-DP001, ADP-120JB A, 92P1026, 92P1027, ADP-120MB, ADP-120NB A, ADP-120NB B, ADP-120SB A, ADP-120TB B, ADP-120ZB AA, ADP-120ZB AB, ADP-120ZB AC, ADP-120ZB AD, EADP-120CB A, ADP-120ZB BX(a), ADP-12CH A, ADP-12DH A, ADP-135DB AX, ADP-135DB BX, ADP-13CBA, ADP-14EB A, ADP-14EB B, ADP-150BB B, ADP-150CB A, ADP-150CB B, ADP-150EB B, ADP-150GB BA, ADP-150GB BB, ADP-15GH B, AY4321/17, ADP-15HH A, ADP-15NH A, ADP-16GB A, ADP-180AB, ADP-180BB B, ADP-180CB B, ADP-18PB, ADP-220AB B, ADP-24MB, ADP-29EB A, ADP-33AB XX\*, ADP-36DH A, ADP-4EB XX\*, ADP-50UH A, ADP-55CB B, ADP-60NH, ADP-60NH B, ADP-60RH A, ADP-60RH B, PA3282U-1ACA, PA3365U-1ACA, PA3377E-1ACA, ADP-64BB B, ADP-65JB B, ADP-65LB AX (b), ADP-65MB B, ADP-72DB B, 65P8322, 92P1018, 92P1019, ADP-72EB A, 92P1020, 92P1021, ADP-75FB BXX, ADP-75FB XX, ADP-75HB REV.B, ADP-75HBXX\*, ADP-75KB A, ADP-75KB B, ADP-80LB A, ADP-90AH B, ADP-90HB, ADP-90HBB, ADP-90SB Ax, EA-AL1V (-), PA3516U-1ACA, ADP-90YB, ADP-90YB B, D220P-01, EADP-150DB B, DPS-136AP, DPS-200TP, DPS-30NB XX, DPSN-22CB XX@, DTL-H10020, DTL-H10200, EA-AL1V, EA-CG1V, EADP-10BB REV.B, EADP-15CB A, NL-A75J, EADP-60BB B, f4600a, f4814a, L1864-80001, MCS-AC1, EADP-10AB A, PA3283U-3ACA, PA3378E-1ACA, PA3507E-1AC3, ADP-120YB B, PC-AP7000, PCGA-AC19V3, RPS-800-1, RPS-800-2, SADP-220CB BX(a), SADP-220DB B, SADP-65KB AX, PC-AP7800, SADP-65KB BX, VGP-AC19V10, VGP-AC19V12, VGP-AC5V1.

**AC/DC Adapter**, Model(s) ADP-40MH AX, ADP-40MH BX(a1), EADP-16BB A, EADP-30FB A, EADP-32CB B, EADP-60KB B.

**AC/DC Adaptor**, Model(s) ADP-15ZB B.

**Accessory Xbox 360 Quick Charger Kit**, Model(s) DPSN-10EB XX (m).

**Accessory-Switching Power Supply**, Model(s) DPS-180KB-7 XX, DPS-220DB XX, DPS-180KB-6 XX, DPS-220DB-1 XX(&), DPS-225KB XX (\$), DPS-225KB-1 XX (\$), DPS-225LB XX (\$), DPS-225LB-1 XX (\$), DPS-310HB XX, DPS-310HB-2 XX, DPS-230JB XX, DPS-230JB-2 XX(\$).

**Auto-Air AC Adaptor**, Model(s) DA65NS3-00.

**Auto/AC Adaptor**, Model(s) S26113-E515-V55.

**Battery Back-Up Unit**, Model(s) DBBU-1238.

**Direct Plug In Adaptor**, Model(s) EADP-9BB REV.B.

**Direct Plug-In Adapter**, Model(s) PV-AC31.

**Direct plug-In adapters**, Model(s) 0950-4404, 190162-0000, AD-20, ADP-18LB B, ADP-3ZB A, ADP-4RB B, ADP-5FH B, EA-75, ADP-5ZB B, PV-AC01.

**Direct Plug-In Power Adaptor**, Model(s) A391UC, PV-AC11.

**Listed Accessory AC Adaptor**, Model(s) DPSN-186CB XX, DPSN-186DB XX(\$), DPSN-186EB XX(m), DPSN-216BB XX.

**Listed Accessory-Switching Power Supply**, Model(s) DPS-280FB XX(\$).

**Power Adaptor**, Model(s) ADP-90RH B, ADP-90SB BX (a), PA3516E-1AC3.

**Power Backup Supply**, Model(s) ADP-18RB A, PB-1000.

**Power Supply**, Model(s) ADP-180EB B, ADP-60AF, ADP-58AF, ADP-60ZH A, ADP-63BB B, ADP-90AB B, ADP-90AH B, ADP-9HB A, DPS-200PB-156 XX(\$), DPS-225DB XX(=).

**Switching power supplies**, Model(s) A181B, ADP-18KB AX, ADP-30CH A, ADP-58AF, ADP-60AF, DPS-230HB XX, DPS-310CB XX.

**Switching Power Supply**, Model(s) DPS-200PB-165 XX(\$).

**Switching power supply**, Model(s) DPS-225GB XX, DPS-225HB XX (\$), DPS-225HB CX (\$), DPS-275LB XX, DPS-275LB-1 XX (\$), DPS-280GB XX (\$), DPS-280HB XX(\$).

**Switching Power Supply**, Model(s) DPS-280JB XX(\$).

**Switching power supply**, Model(s) DPS-400TB BX (\$).

**Switching Power Supply**, Model(s) DPS-650PB XX, EADP-20FB A.

**Switching power supply**, Model(s) EADP-25BB A, PA3543U-1ACA, EADP-30CB B.

**Zune AC Adapter**, Model(s) 1128.

# - X=A, B, C, D or blank

(\$)- Where X can be 0-9, A-Z or blank

(&) - Where X can be any alphanumeric character or blank

(=) - where X could be 0-9, A-Z, a-z or blank

(a) - Where X can be A, B, C, D, blank

(a1) - Where X can be A, B, C, D

(b) - Where X may be A, B, C or D for different output rating, A is for +18.5 V, B is for +19 V, C is for +19.5 V, D is for +20 V

\* - Where "X" is A-Z, 0-9, dash, dot, or blank.

@ - X=0-9, A-Z or Blank

~ - X may be A, B, C or D to denote different output rating

Last Updated on 2007-10-25

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[Page Top](#)

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## Certificado de Producto Nuevo de Conformidad con Norma Oficial Mexicana

FR4CER2C

Certificado No.: **0702CE14712**

Normalización y Certificación Electrónica A.C. (NYCE), otorga el presente Certificado de Conformidad con Norma Oficial Mexicana con base al informe de resultados de pruebas No. **LT354907**, emitido por el laboratorio **LÁBOTECH MÉXICO SC**, con número de Acreditación y Aprobación **EE-062-046/04** en términos de la Ley Federal sobre Metrología y Normalización.

De acuerdo al procedimiento PCPCER4C de NYCE y a la solicitud con No. de Referencia **14814E0207**, se otorga el presente certificado con verificación mediante pruebas periódicas a la empresa:

**CABRERA RODRIGUEZ ULISES**

con domicilio en:

ADOLFO PRIETO NO 1655 INT 3 COL.:DEL VALLE  
C.P. 03100 MEXICO , DF, DELEG.:BENITO JUAREZ  
R.F.C. CARU711007MP4

del siguiente producto:

Producto: **ADAPTADOR DE ca/cc**

Marca: **DELTA ELECTRONICS, INC. ---**

Modelo (s): **ADP-40MH BD ---**

País de Origen: **CHINA; TAIWAN; TAILANDIA; JAPON; COREA DEL SUR; FILIPINAS; MALASIA; EUA; REINO UNIDO; SINGAPUR; CANADA; FRANCIA; COREA DEL NORTE ---**

De conformidad con la Norma Oficial Mexicana **NOM-001-SCFI-1993** "Aparatos Electrónicos - Aparatos electrónicos de uso doméstico alimentados por diferentes fuentes de energía eléctrica. Requisitos de seguridad y métodos de prueba para la aprobación de tipo.", publicada en el Diario Oficial de la Federación del 13 de octubre de 1993. El presente Certificado de conformidad se expide en México, D.F., el día **08-nov-2007**, con vigencia **de 1 (un) año**, para los efectos que convengan al interesado. La validez de la vigencia estará sujeta al resultado del seguimiento correspondiente.



EN CASO DE EXISTIR UNA CONTROVERSIA,  
NYCE, A.C. ÚNICAMENTE RESPALDARÁ EL  
ORIGINAL DEL CERTIFICADO

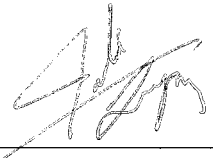
ATENTAMENTE

  
**GERMÁN FLORES Y GÓMEZ**  
DIRECTOR GENERAL

Certificó:

  
Miguel Castillo Castelán

Analizó:

  
Ana Claudia López Carbajal



# Certificado Certificate



Certificado No. *Certificate No.*      Página *Page*  
RA 2781548      01

Referencia del cliente *Client Reference*      Nuestra referencia *Our Reference*      Fecha de emisión *Date of Issue*  
00800-TWN/yy- 10021070001      29.10.2007      (day/mo/yr)

Titular de la Licencia *License Holder*  
Delta Electronics, Inc.  
3, Tung Yuan Road  
Chungli Ind. Zone  
Taoyuan Hsien 32041  
TAIWAN, R.O.C.

Establecimiento de Fabricación *Manufacturing Plant*  
Delta Electronics (Jiangsu) Ltd.  
No. 1688, Jiangxing East Road  
Wujiang Economic Development Zone  
Wujiang City, Jiang Su 215200  
P.R. CHINA

Marca de Ensayo *Test Mark*      Ensayado según *Tested acc. to*  
IEC 60950-1:2001



Producto certificado      (Identificación del Producto)      Unidades Arancel Licencia  
*Certified Product*      (*Product Identification*)      *License Fee - Unit*

FUENTE DE ALIMENTACION (AC/DC Adapter)

Designación      : 1. ADP-40MH BA  
(Type Designation)      2. ADP-40MH BB  
   3. ADP-40MH BC  
   4. ADP-40MH BD

Marca Comercial      : DELTA ELECTRONICS, INC.  
(Trademark)

Tensión Nominal      : AC 100-240V, 50-60Hz  
(Rated Voltage)

Corriente Nominal      : 1.2A  
(Rated Current)

Tipo de Protección      : I  
(Protection Class)

Continúa en Página (Continued on Page) 02



El Organismo de Certificación  
El Ingeniero Certificador

Dipl.-Ing. R. Malbranc

Este certificado está basado en nuestras Regulaciones de Ensayo y de Certificación.  
*This certificate is based on our Testing and Certification Regulation.*

TÜV Rheinland Argentina S.A., San José 83-7°,  
C1076AAA Buenos Aires, Argentina

Acreditado por el O.A.A., reconocido como Organismo para la Certificación de Productos.

# Certificado Certificate



Certificado No. *Certificate No.*      Página *Page*  
RA 2781548      02

Referencia del cliente *Client Reference*      Nuestra referencia *Our Reference*      Fecha de emisión *Date of Issue*  
00800-TWN/yy- 10021070001      29.10.2007      (day/month/year)

Titular de la Licencia *License Holder*  
Delta Electronics, Inc.  
3, Tung Yuan Road  
Chungli Ind. Zone  
Taoyuan Hsien 32041  
TAIWAN, R.O.C.

Establecimiento de Fabricación *Manufacturing Plant*  
Delta Electronics (Jiangsu) Ltd.  
No. 1688, Jiangxing East Road  
Wujiang Economic Development Zone  
Wujiang City, Jiang Su 215200  
P.R. CHINA

Marca de Ensayo *Test Mark*      Ensayado según *Tested acc. to*  
IEC 60950-1:2001



Producto certificado      (Identificación del Producto)      Unidades Arancel Licencia  
*Certified Product*      (*Product Identification*)      *License Fee - Unit*

FUENTE DE ALIMENTACION (AC/DC Adapter)

Continuación (Continuation)

Salida Nominal      : 1. DC 18.5V, 2.16A  
(Output Rating)      2. DC 19V, 2.1A  
                                 3. DC 19.5V, 2.05A  
                                 4. DC 20V, 2A

Temperatura Ambiente Máxima : 40°C  
(Maximum Ambient Temperature)

Nota 1: Este certificado no cubre la evaluación del  
cable de potencia con ficha.  
(Remark 1: This certificate does not cover the  
evaluation of the power cord set.)

Continúa en Página (Continued on Page) 03



El Organismo de Certificación  
El Ingeniero Certificador

Dipl.-Ing. R. Malbranc

Este certificado está basado en nuestras Regulaciones de Ensayo y de Certificación.  
*This certificate is based on our Testing and Certification Regulation.*

TÜV Rheinland Argentina S.A., San José 83-7°,  
C1076AAA Buenos Aires, Argentina

Acreditado por el O.A.A., reconocido como Organismo para la Certificación de Productos.

# Certificado Certificate



Certificado No. *Certificate No.*      *Página Page*  
RA 2781548      03

*Referencia del cliente Client Reference*      *Nuestra referencia Our Reference*      *Fecha de emisión Date of Issue*  
00800-TWN/yy- 10021070001      29.10.2007      (day/mo/yr)

*Titular de la Licencia License Holder*  
Delta Electronics, Inc.

3, Tung Yuan Road  
Chungli Ind. Zone  
Taoyuan Hsien 32041  
TAIWAN, R.O.C.

*Establecimiento de Fabricación Manufacturing Plant*  
Delta Electronics (Thailand)  
Public Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Industrial  
Estate (E.P.Z.), Pattana 1 Rd, Tambol  
Phraksa, Amphur Muang,  
Samutprakarn 10280  
THAILAND

*Marca de Ensayo Test Mark*      *Ensayado según Tested acc. to*  
IEC 60950-1:2001



*Producto certificado (Identificación del Producto)*      *Unidades Arancel Licencia*  
*Certified Product (Product Identification)*      *License Fee - Unit*

FUENTE DE ALIMENTACION (AC/DC Adapter)

Continuación (Continuation)

Nota 2: El equipo cumple con los requisitos de la  
cláusula 2.5 como Fuente de Potencia Limitada.  
(Remark 2: The equipment fulfills the requirements of  
clause 2.5 as a Limited Power Source.)

Adicional (Addition)

Fábrica : ver arriba  
(Factory) (see above)



El Organismo de Certificación  
El Ingeniero Certificador

Dipl.-Ing. R. Malbranc

Este certificado está basado en nuestras Regulaciones de Ensayo y de Certificación.  
*This certificate is based on our Testing and Certification Regulation.*

TÜV Rheinland Argentina S.A., San José 83-7°,  
C1076AAA Buenos Aires, Argentina

Acreditado por el O.A.A., reconocido como Organismo para la Certificación de Productos.



# Zertifikat

# Certificate



Zertifikat Nr. Certificate No.  
S 50116666

Blatt Page  
0001

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Längstens gültig bis Latest expiration date (day/mo/yr)
SE47092002	ZTW1-JCC- 10021025 001	18.10.2012

**Genehmigungsinhaber License Holder**  
Delta Electronics, Inc.  
3, Tung Yuan Road  
Chungli Ind. Zone  
Taoyuan Hsien 320  
Taiwan

**Fertigungsstätte Manufacturing Plant**  
Delta Electronics (Thailand) Public  
Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Ind.  
Estate (E.P.Z.), Pattana 1 Road  
Tambol Phraksa, Amphur Muang  
Samutprakarn 10280  
Thailand

**Prüfzeichen Test Mark**

**Geprüft nach Tested acc. to**  
EN 60950-1:2001+A11



**Zertifiziertes Produkt (Geräteidentifikation)**  
**Certified Product (Product Identification)**

**Lizenzentgelte - Einheit**  
**License Fee - Unit**

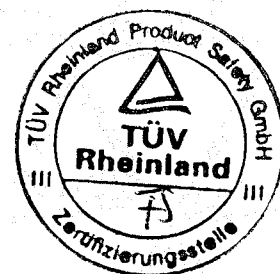
Schaltnetzteil (AC/DC ADAPTER)

Bezeichnung (Type Designation)	: ADP-40MH BX	8
X steht für (stands for)	: A, B, C, oder (or) D	1
Nennspannung (Rated Voltage)	: AC 100-240V, 50-60Hz	
Nennstrom (Rated Current)	: 1.2A	
Ausgang (Output)	: DC 18.5V/2.16A (X=A) DC 19V/2.1A (X=B) DC 19.5V/2.05A (X=C) DC 20V/2A (X=D)	

Max. Umgebungstemperatur (Max. Ambient Temperature)

Schutzklasse (Protection Class) : I

Hinweis: Dieses Netzgerät ist geprüft und erfüllt die Anforderungen nach Abschnitt 2.5 als Stromquelle mit begrenzter Leistung. (Remark: The equipment is also tested and complies with sub-clause 2.5 as limited power source.)



9

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes.

This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.

**TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

**Zertifizierungsstelle**

Dipl.-Ing. F. Stöbelzel

**Ausstellungsdatum Date of Issue : 19.10.2007 (day/mo/yr)**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
S 50116666

Blatt *Page*  
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Längstens gültig bis <i>Latest expiration date</i> (day/mo/yr)
SE47092002	ZTW1-JCC- 10021025 001	18.10.2012

**Genehmigungsinhaber *License Holder***  
Delta Electronics, Inc.  
3, Tung Yuan Road  
Chungli Ind. Zone  
Taoyuan Hsien 320  
Taiwan

**Fertigungsstätte *Manufacturing Plant***  
Delta Electronics (Jiang Su), Ltd.  
No. 1688, Jiangxing East Road  
Wujiang Economic Development Zone  
Wujiang City, Jiang Su 215200  
P.R. China

**Prüfzeichen *Test Mark***

**Geprüft nach *Tested acc. to***  
EN 60950-1:2001+A11



**Zertifiziertes Produkt *(Geräteidentifikation)***  
***Certified Product (Product Identification)***

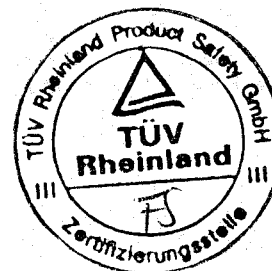
**Lizenzentgelte - Einheit**  
***License Fee - Unit***

Schaltnetzteil (AC/DC ADAPTER)

wie Blatt (as page) 01

Ergänzung  
(Addition)

Fertigungsstätte : siehe oben  
(Factory) (see above)



ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes.

*This certificate is based on our Testing and Certification Regulation.  
Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the  
German Equipment and Product Safety Law.*

**TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

**Zertifizierungsstelle**

Dipl.-Ing. F. Stöelzel

**Ausstellungsdatum *Date of Issue* : 19.10.2007 (day/mo/yr)**





ДЕРЖАВНИЙ КОМПІТЕТ УКРАЇНИ З ПИТАНЬ ТЕХНІЧНОГО РЕГУЛЮВАННЯ  
ТА СПОЖИВЧОЇ ПОЛІТИКИ  
ДЕРЖАВНА СИСТЕМА СЕРТИФІКАЦІЇ УкрСЕПРО

№ 925104

Серія ВБ

# СЕРТИФІКАТ ВІДПОВІДНОСТІ

Зареєстровано в Реєстрі за № **UA 1.003.0149776-07**  
*Зарегистрирован в Реестре*

Термін дії з **07.11.2007** до **19.10.2010**  
*Срок действия с*

Продукція **блоки мережного живлення (для ПК)**  
*Продукция* **торгівельної марки DELTA модель ADP-40MH BX**  
**(замість позначки X можуть бути літери A, B, C, D)**

**8504**  
код УКТ ЗЕД ТН ЗЕД

код ДКПТ ЕКП

Відповідає вимогам **ДСТУ 4467-1:2005 (IEC 60950-1:2001, MOD), ГОСТ 29216-91 (р.2)**  
*Соответствует требованиям*

Виробник продукції **"Delta Electronics, Inc.",**  
*Изготовитель продукции* **№ 3 Tung Yuan Road, Chungli Industrial Zone, Taoyuan Hsien 320, Тайвань,**  
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*На основании* **та протокола УкрТЕСТ №4021CB1-07 від 06.11.2007 (атестат акредитації №2Н635 від 29.06.06)**

Керівник органу з сертифікації  
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**СЕРТИФИКАТ** Бр. RS0907027100  
**CERTIFICATE** No.



Производ AC/DC ISPRAVLJAČ, ADP-40MH BX  
Product

Произвођач DELTA ELECTRONICS INC.  
Manufacturer KINA

Подносилац захтева Delta Electronics Inc  
Applicant 320 Taoyuan Hsien, Taiwan  
No. 3, Tung Yuan Road, Chungli Industrial Zone

Датум производње 2007.  
Date of production

Извештај о испитивању Бр. 090701602  
Test Report No.

Рок важења сертификата 2012.11.08.  
Certificate validity

Овим се потврђује да карактеристике производа одговарају захтевима следећих прописа или стандарда

It is certified hereby that the product characteristics are in conformity to the requirements of the following regulations of standards

- Наредба о обавезном атестирању електронских апарата за домаћинство ("Службени лист СФРЈ" број 8/87)
- SRPS IEC 950/91

Место и датум  
Place and date

Ниш, 2007.11.08



Потпис овлашћеног лица

Signature of authorized person

Богољуб Симоновић, дипл.инж.