

ACE-A140A

400 W PS/2 ATX Power Supply with ErP

ErP
5Vsb < 1W Input

CB cULUS CE FC CCC



Ordering Information

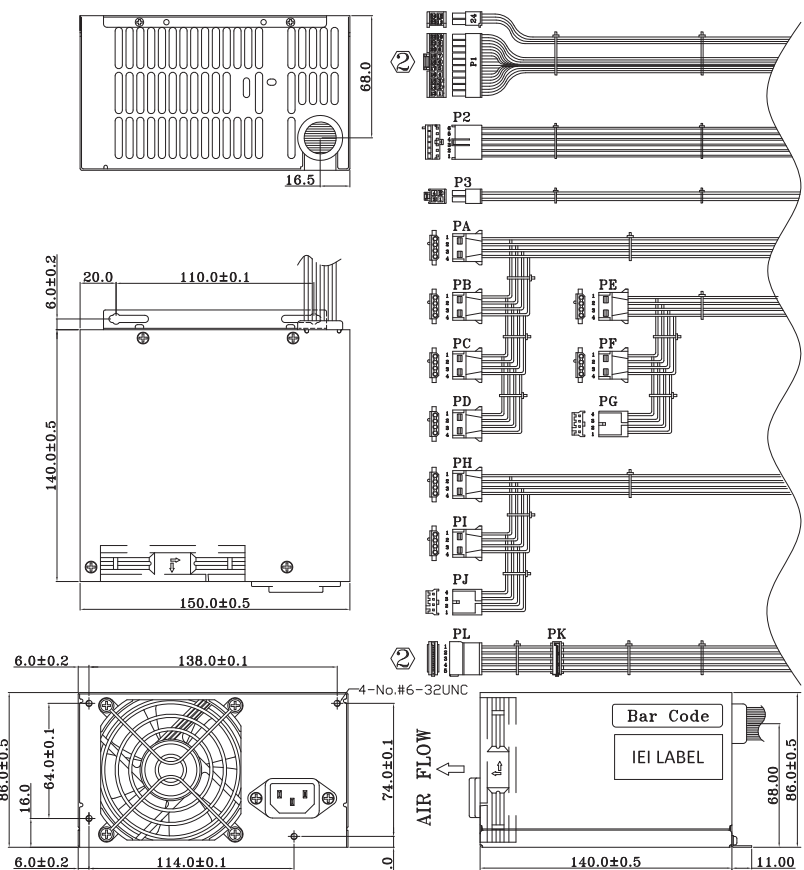
Part No.	Description
ACE-A140A-R11	400W AC-DC PS/2 ATX Power Supply with ErP, meets 80 PLUS (Bronze)

Specifications

Input	Voltage	90~264 VAC Full Range		
	Frequency	47 Hz ~ 63 Hz		
	Input Current	6A (RMS)@115VAC, 3A (RMS)@230VAC		
	Inrush Current	65A max. for 115VAC 147A max. for 230VAC		
Output	Voltage	Min. load	Max. load	Ripple & Noise
	+3.3V	0.1 A	21 A	50mV
	+5V	0.2 A	20 A	50mV
	+12V1	0.1 A	16 A	120mV
	+12V2	0.5 A	16 A	120mV
	-12V	0 A	0.5 A	120mV
	-5V	0 A	0.3 A	50mV
	+5VSB	0 A	3 A	50mV
General Specifications	The +3.3V and +5V total output shall not exceed 130 watts.			
	Total output for this power supply is 400 watts.			
	Over Voltage Protection	+3.3V: 3.5V-4.5V +5V: 5.5V-6.82V +12V1 and +12V2: 13.4V-15.6V		
	Short Circuit Protection	+3.3V, +5V, +12V or -12V shutdown and latch off		
	Watt	400W		
	PFC	Active		
	Hold-up Time	17 ms Min.		
	Efficiency	85%		
	MTBF	100000 hours		
	Temperature	Operating: -5°C ~ 50°C Storage: -20°C ~ 80°C		
	Dimensions (mm)	140 x 150 x 86		
	Output Connector	1 x 20+4-PIN ATX, 1 x 4-pin 12V CPU, 8 x HDD/CDROM, 2 x FDD, 1 x Extra +5V (P10)		

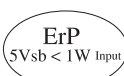
Dimensions (Unit: mm)

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1 24	1	+3.3VDC	ORANGE	18	WST P80-148002K1D+P4 or EQUIV.	600±15mm
	2	+3.3VDC	ORANGE	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PW-OK	GRAY	22		
	9	+5Vsb	PURPLE	18		
	10	+12V2	YELLOW	18		
	11	+12V2	YELLOW	18		
	12	+3.3VDC	ORANGE	18		
	13	+3.3Vsense	BROWN	22		
	14	-12VDC	BLUE	18		
P2	1	COM	BLACK	18	MOLEX 90351-0010 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+3.3VDC	ORANGE	18		
P3	1	COM	BLACK	18	MOLEX 39-01-2040 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	+12V1	Yel/Black	18		
	4	+12V1	Yel/Black	18		
PA	1	+12V2	YELLOW	18	AMP 1-480424-0 or EQUIV.	400±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
PB	1	+12V2	YELLOW	18	AMP 1-480424-0 or EQUIV.	200±10mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
PC	1	+12V2	YELLOW	18	AMP 1-480424-0 or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PD	1	+12V2	YELLOW	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PE	1	+12V1	Yel/Black	20	AMP 1-480424-0 or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PF	1	+12V1	Yel/Black	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PG	1	+12V1	Yel/Black	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PH	1	+12V1	Yel/Black	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PI	1	+12V1	Yel/Black	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PJ	1	+12V1	Yel/Black	20	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PK	1	+3.3VDC	ORANGE	20	MOLEX SD-67582-0311 or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		
PL	1	+3.3VDC	ORANGE	20	MOLEX SD-67582-0311 or EQUIV.	155±10mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		



ACE-A140A-S

400 W PS/2 ATX Power Supply with ErP



CB

cULUS

CE

FC



Ordering Information

Part No.	Description
ACE-A140A-S-R11	400W PS/2 ATX Power Supply with ErP & on/off switch, meets 80 PLUS (Bronze)

Specifications

Input	Voltage	90~264 VAC Full Range		
	Frequency	47 Hz ~ 63 Hz		
	Input Current	6A (RMS)@115VAC, 3A (RMS)@230VAC		
	Inrush Current	65A max. for 115VAC 147A max. for 230VAC		
Output	Voltage	Min. load	Max. load	Ripple & Noise
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	+12V2	0.5 A	16 A	120mV
	-12V	0 A	0.5 A	120mV
	-5V	0 A	0.3 A	50mV
	+5VSB	0 A	3 A	50mV
	The +3.3V and +5V total output shall not exceed 130 watts.			
	Total output for this power supply is 400 watts.			
General Specifications	Over Voltage Protection	+3.3V: 3.5V-4.5V +5V: 5.5V-6.82V +12V1 and +12V2: 13.4V-15.6V		
	Short Circuit Protection	+3.3V, +5V, +12V or -12V shutdown and latch off		
	Watt	400W		
	PFC	Active		
	Hold-up Time	17 ms Min.		
	Efficiency	85%		
	MTBF	100000 hours		
	Temperature	Operating: -5°C ~ 50°C Storage: -20°C ~ 80°C		
	Dimensions (mm)	140 x 150 x 86		
	Output Connector	1 x 20+4-PIN ATX, 1 x 4-pin 12V CPU, 8 x HDD/CDROM, 2 x FDD, 1 x Extra +5V (P10)		

Dimensions (Unit: mm)

