

ROHM Semiconductor			3.6kW IPFC						
		PCBA017							
		REV.A							

#	Description	Designator	Comment	PART Description	Package	Quantity	Pins	Total Pins	Manufacturer1	Manufacturer Part Number1
1.	CAP POL	C402	22uF	CAP POL,TH,Electrolytic,22uF,450V,20%, 105°C	(12.5x25x5p)	1	2	2	Nichicon	UCY2W220MHD
2.	CAP NP	C403	3.3nF	CAP NP,TH,Ceramic,3.3nF,1KV,5%,7.5x4 mm,U2J	(7.5x4 mm)	1	2	2	Murata	RDE7U3A332J4M1H03A
3.	CAP POL	C405, C407	330uF	CAP POL,TH,Electrolytic,330uF,35V,20%,105DegC	(10x12.5x5p)	2	2	4	Nichicon	UVZ1V331MPD1TD
4.	CAP POL	C409	1000uF	CAP POL,TH,Electrolytic,1000uF,25V,20%, 105°C	(10x16x5p)	1	2	2	Nichicon	UVY1E102MPD
5.	CAP POL	C411	10uF	CAP POL,TH,Electrolytic,10uF,63V,20%,105°C	(5x11xP2mm)	1	2	2	Nichicon	UVZ1J100MDD
6.	CAP NP	C412, C414, C419, C421	0.1uF	CAP NP,SMD,Ceramic,0.1uF, 25V,20%, X7R	(0805)	4	2	8	Yageo	CC0805MRX7R8BB104
7.	CAP NP	C413	1000pF	CAP NP,SMD,Ceramic,1000pF, 25V,10%,X7R	(0805)	1	2	2	Yageo	CC0805KRX7R8BB102
8.	CAP NP	C415	2.2uF	CAP NP,SMD,Ceramic,0.1uF, 25V,20%,X5R	(0805)	1	2	2	Yageo	CC0805KRX5R8BB225
9.	CAP NP	C416, C417	22uF	CAP NP,SMD,Ceramic,22 uF,10V,10%, X5R	(1206)	2	2	2	Yageo	CC1206KKX5R6BB226
10.	CAP NP	C418	47uF	CAP NP,SMD,Ceramic,47uF, 25V,20%,X5R	(1206)	1	2	2	TDK	C3216X5R1E476M160AC
11.	CAP NP	C420	100pF	CAP NP,SMD,Ceramic,100pF, 25V,10%,X7R	(0805)	1	2	2	Yageo	CC0805KRX7R8BB101
12.	CAP NP	C422	22uF	CAP NP,SMD,Ceramic,22uF, 25V,20%,X5R	(0805)	1	2	2	Yageo	CC0805MKX5R8BB226
13.	Diode	D400, D403, D404	RF302LAM2S	Diode,SMD,RECT,RF302LAM2S,200V,3A	(SOD-128)	3	2	6	ROHM	RF302LAM2S
14.	Diode	D402	US1M	Diode,SMD,RECT,US1M,1000V,1A	(SMA)	1	2	2	Diodes Inc	US1M-13-F
15.	Diode	D405	RF101LAM2S	Diode,SMD,RECT,RF101LAM2S,200V,1A	(SOD-128)	1	2	2	ROHM	RF 101LAM2S
16.	Optoisolator	ISO400	EL357N-G	Optoisolator,SMD,IC,EL357N-G,80V	(TSSOP-4)	1	4	4	Everlight	EL357N-G
17.	Connector	J400	CON_HDR_5	Connector,TH,5 positions	(2.54mm Pitch)	1	5	5	Würth	61300511021
18.	Connector	J401	CON_HDR_6	Connector,TH,6 positions	(2.54mm Pitch)	1	6	6	Würth	61300611021
19.	Diode	LD400	RED	Diode, SMD, RED, 30mA,75mW	(0805)	1	2	2	ROHM	SML-M13VTT86
20.	Resistor	R401	1K	Resistor, SMD,1K,1%,(1206),1/4 W	(1206)	1	2	2	ROHM	KTR18EZPF1001
21.	Resistor	R402	47K	Resistor, TH,DNP,5%,2W	(TH)	1	2	2	YAGEO	CFR2WSJT-52-47K
22.	Resistor	R404	3K	Resistor, SMD,3K,1%, 1/4 W	(1206)	1	2	2	ROHM	KTR18EZPF3001
23.	Resistor	R405	300R	Resistor, SMD,300R,1%, 1/4 W	(1206)	1	2	2	ROHM	KTR18EZPF3000
24.	Resistor	R406	2.2K	Resistor, SMD,2.2K,1%, 1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF2201
25.	Resistor	R407	75K	Resistor, SMD,75K,1%1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF7502
26.	Resistor	R408	1.2K	Resistor, SMD,1.2K,1%1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF1201
27.	Resistor	R409	10K	Resistor, SMD,15K,1%1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF1002
28.	Resistor	R410	15K	Resistor, SMD,15K,1% 1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF1502
29.	Resistor	R411	0R	Resistor, SMD,0R,1% 1/4 W	(1206)	1	2	2	ROHM	KTR18EZPJ000
30.	Resistor	R412, R413, R414, R415	499K	Resistor, SMD,499K,1%, 1/4 W	(1206)	4	2	8	ROHM	KTR18EZPF4993
31.	Resistor	R416	14.3K	Resistor, SMD,14.3K,1%, 1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF1432
32.	Resistor	R417	39K	Resistor, SMD,39K,1%, 1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF3902
33.	Resistor	R418	3.9K	Resistor, SMD,3.9K,1%, 1/8 W	(0805)	1	2	2	ROHM	KTR10EZPF3901
34.	Resistor	R419	100R	Resistor, SMD,100R,1%, 1/4 W	(1210)	1	2	2	ROHM	ESR25JZPF1000
35.	Resistor	RS400	1.5R	Resistor, SMD,1.5R,1%, 1 W	(2512)	1	2	2	KOA Speer	SR733ATTE1R50F
36.	Transformer	TR400	EE20, Horizontal	Transformer, TH, EE20, Horizontal,EE20,Horizontal,	(10 Pin)	1	10	10	Custom	Custom
37.	DC/DC IC	U400	BM2P063HK	DC/DC IC,SMD,IC,BM2P063HK,650V,DIP-7,-40 ~ 105 °C	(DIP-7)	1	7	7	ROHM	BM2P063HK
38.	Low Voltage Precision Adjustable Shunt Regulator	U401	TL1431CL3T	MD,TL1431CL3T, (SOT-23-3)	(SOT-23-3)	1	3	3	STMicroelectronics	L1431CL3T
39.	LDO	U402	MCP1826S/3.3V	LDO,SMD,IC,MCP1826S/3.3V,3.3V,-40°C to +125°C	(SOT-223-3)	1	4	4	Microchip	MCP1826S
40.	Diode	Z400	18V	Diode,SMD,ZENER,18V	(SOD-323-2)	1	2	2	ROHM	UDZVTE-1718B

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