

# Control [PCB\_3.6kW\_Boost\_IPFC-PCBA018] BOM



<b>ROHM Semiconductor</b>			<b>3.6kW IPFC</b>							
<b>PCBA018</b>										
<b>REV.A</b>										

#	Description	Designator	Comment	PART Description	Package	Quantity	Pins	Total Pins	Manufacturer 1	Manufacturer Part Number 1
1.	CAP NP	C700, C702, C705, C707	0.01uF	CAP NP,SMD,Ceramic,0.01uF,25V,5%,X7R	(C0603)	4	2	8	Yageo	AC0603JRX7R8BB103
2.	CAP NP	C703	1uF	CAP NP,SMD,Ceramic,1uF,25V,10%,X5R	(C0603)	1	2	2	Yageo	CC0603KRX5R8BB105
3.	CAP NP	C708, C711, C712, C714, C715, C716, C801, C803, C808	0.1uF	CAP NP,SMD,Ceramic,0.1uF,25V,10%,X7R	(C0603)	9	2	18	Yageo	CC0603KRX7R8BB104
4.	CAP NP	C824	1000pF	CAP NP,SMD,Ceramic,1000pF,25V,10%,X7R	(C0603)	1	2	2	Yageo	CC0603KRX7R8BB102
5.	Connector	J700	1759546-1	Connector, SMD, PCI Express,1759546-1	(SMD-52)	1	54	54	TE-Connectivity	1759546-1
6.	Connector	J701	CON_HDR_4	Connector,TH#,4 postions,CON_HDR_4	(2.54mm Pitch)	1	4	4	Würth	61300411121
7.	Connector	J702	CON_HDR_5	Connector,TH#,5 postions,CON_HDR_5	(2.54mm Pitch)	1	5	5	Würth	61300511121
8.	Diode	LD700	Green	Diode, SMD, Yellow, Green,20mA81mW	(L0805)	1	2	2	ROHM	SML-M13MTT86
9.	Resistor	R606, R702	1K	Resistor,SMD,1K,5%,300 mW	(R0603)	2	2	4	ROHM	SDR03EZPJ102
10.	Resistor	R700	4.7K	Resistor,SMD,4.7K,5%,300 mW	(R0603)	1	2	2	ROHM	SDR03EZPJ472
11.	Resistor	R701, R801, R805, R811, R813, R816, R818, R821, R823	100R	Resistor,SMD,100R,5%,300 mW	(R0603)	9	2	18	ROHM	SDR03EZPJ1000
12.	Resistor	R800, R807, R810, R814, R815, R819, R820, R824	18K	Resistor,SMD,18K,5%,300 mW	(R0603)	8	2	16	ROHM	SDR03EZPJ183
13.	Resistor	R802	15K	Resistor,SMD,15K,5%,300 mW	(R0603)	1	2	2	ROHM	ESR03EZPJ153
14.	Resistor	R803, R812, R817, R822	0R	Resistor,SMD,0R,5%,1/8 W	(R0603)	4	2	8	ROHM	SFR03EZPJ000
15.	Resistor	R804	470R	Resistor,SMD,470R,5%,300 mW	(R0603)	1	2	2	ROHM	SDR03EZPJ471
16.	Resistor	R808	47K	Resistor,SMD,47K,5%,300 mW	(R0603)	1	2	2	ROHM	SDR03EZPJ473
17.	Resistor	R809	1M	Resistor,SMD,1M,5%,1/4 W	(R0603)	1	2	2	ROHM	ESR03EZPJ105
18.	MCU	U700	dsPIC33CK64MC105	MCU,SMD,MCU,dsPIC33CK64MC105,3.3V	(TQFP- 48)	1	48	48	Microchip	dsPIC33CK64MC105
19.	Opamp	U800	MCP6024-I/ST	SMD, OpAMP Quad,MCP6024-I/ST	(TSSOP-14)	1	14	14	Microchip	MCP6024-I/ST
20.	Comparator	U801	MCP6541	Comparator,SMD,MCP6541,1.6 V ~ 5.5 V	(SOT23-5)	1	5	5	Microchip	MCP6541T-I/OT
21.	MEMS_Oscillator	XTAL700	DSC6011JI2B	MEMS_OscillatorSMDICDSC6011JI2B-20ppm	(SSOP-5)	1	4	4	Microchip	DSC6011JI2B

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