Bill of Materials

Bill of Materials for Project [PowerConverter Daughter Board PCB]

Source Data From:

PowerConverter Daughter Board.PrjPcb

Project:

PowerConverter Daughter Board.PrjPcb

Variant:

None

 Creation Date:
 15/05/2020
 09:03

 Print Date:
 15-May-20
 9:04:03 PM

Col. Col. Col. Col. Col. Col. Col. Col.	Item Number	Designator	Part Number	Footprint	Description	Manufacturer	Alternative	Quantity
Color	1	C4, C5, C6		8.3mmx8.3mm	47 uF, +/- 20%, 63 V	Panasonic	None	
C11_C17_C17_0 C10_C17_0	2			1210 (3225 Metric)	100 V,1210 (3225 Metric), RoHS,	TDK		
Company Comp	3	· ·	12101C105KAT2A	1210 (3225 Metric)	1210 (3225 Metric)	AVX		
10 0.0805_CH_3HATEA, 0.005_CL_1 Kentric) 10 0.0805_CH_3HATEA, 0.005_CL_1 Kentric) 0.0805_CH_3HATEA, 0.005_CL_1 Kentric) 0.0805_CH_3HATEA, 0.005_CL_1 Kentric) 0.0805_CH_3HATEA, 0.005_CH_3HATEA, 0.0805_CH_3HATEA, 0.0805_	4		08055C104JAT2A	0805 (2012 Metric)	V, 0805 (2012 Metric)	AVX	Any with similar spec	:
Oct Oct	5	C14	0805ZD475KAT2A	0805 (2012 Metric)		AVX Interconnect / Elco	Any with similar spec	
S	6	C15	08055C474JAT2A	0805 (2012 Metric)		AVX Interconnect / Elco		
9 D1 15080RS75000 805 (2012 Metric)	7	C16	DNF	DNF	DNF	DNF		
10	8	C19	08055C103JAT2A	0805 (2012 Metric)		AVX Interconnect / Elco	Any with similar spec	
11	9	D1	150080RS75000	0805 (2012 Metric)	LED Red, 2V	Wurth Elektronik	Any with similar spec	
11	10	L1	7443631000	Nonstandard		Wurth Elektronik	None	
12	11			Through Hole	Header, 4-Pin, Dual row - Gold	Samtec Inc	None	1
13 R1	12	Q1, Q2, Q3,		PG-TDSON-8-1		Infineon	None	
15 R3 ERJ-6GEY1133V 0805 (2012 Metric) 0805 0805 (2012 Metric) 0805 0805 (2012 Metric) 0805 (2012 Metric) Resistor 13K OHM 5% 1/8W Panasonic Any with similar spec	13	R1	ERJ-MS4HF10MU			Panasonic	None	
16 R4 ERJ-6ENF1693V 0805 (2012 Metric) Resistor 169K OHM 1% 1/8W Panasonic Any with similar spec 17 R5 ERJ-6GEYJ333V 0805 (2012 Metric) Resistor 3/8 OHM 5% 1/8W Panasonic Any with similar spec 18 R6 ERJ-MS4SF4M0U 2512 Resistor 4 mOhms Panasonic None 19 R7 ERA-6AEB103V 0805 (2012 Metric) Resistor 10K OHM 0.1% 1/8W Panasonic Any with similar spec 20 R8 ERJ-6ENF8251V 0805 (2012 Metric) Resistor 8.25K OHM 1/8 1/8W Panasonic Any with similar spec 21 R9, R10, R12 ERJ-6GEY0R00V 0805 (2012 Metric) Resistor 0 OHM 1/8W Panasonic Any with similar spec 22 R11 CRCW0805390RFK 0805 (2012 Metric) Resistor 390 OHM 1/8 1/8W Vishay Dale Any with similar spec 23 R13, R15 DNF DNF DNF DNF 24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17<	14	R2	ERJ-6ENF1503V	0805 (2012 Metric)		Panasonic	Any with similar spec	
17	15	R3	ERJ-6GEYJ133V	0805 (2012 Metric)	Resistor 13K OHM 5% 1/8W	Panasonic	Any with similar spec	
18 R6 ERJ-MS4SF4MOU 2512 Resistor 4 mOhms Panasonic None 19 R7 ERA-6AEB103V 0805 (2012 Metric) Resistor 10K OHM 0.1% 1/8W Panasonic Any with similar spec 20 R8 ERJ-6ENF8251V 0805 (2012 Metric) Resistor 8.25K OHM 1% 1/8W Panasonic Any with similar spec 21 R9, R10, R12 ERJ-6GEY0R00V 0805 (2012 Metric) Resistor 0 OHM 1/8W Panasonic Any with similar spec 22 R11 CRCW0805390RFK EA 0805 (2012 Metric) Resistor 390 OHM 1% 1/8W Vishay Dale Any with similar spec 23 R13, R15 DNF DNF DNF DNF 24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17 ERA6AEB22V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120- 29N DC-DC Switching Controller Linear Technology/Analog Devices None	16	R4	ERJ-6ENF1693V	0805 (2012 Metric)	Resistor 169K OHM 1% 1/8W	Panasonic	Any with similar spec	
19 R7 ERA-6AEB103V 0805 (2012 Metric) Resistor 10K OHM 0.1% 1/8W Panasonic Any with similar spec	17	R5	ERJ-6GEYJ333V	0805 (2012 Metric)	Resistor 33K OHM 5% 1/8W	Panasonic	Any with similar spec	
20 R8 ERJ-6ENF8251V 0805 (2012 Metric) Resistor 8.25K OHM 1% 1/8W Panasonic Any with similar spec 21 R9, R10, R12 ERJ-6GEYOR00V 0805 (2012 Metric) Resistor 0 OHM 1/8W Panasonic Any with similar spec 22 R11 CRCW0805390RFK EA 0805 (2012 Metric) Resistor 390 OHM 1% 1/8W Vishay Dale Any with similar spec 23 R13, R15 DNF DNF DNF 24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17 ERA6AEB222V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120- 29N DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	18	R6	ERJ-MS4SF4M0U	2512	Resistor 4 mOhms	Panasonic	None	
21 R9, R10, R12 ERJ-6GEY0R00V 0805 (2012 Metric) Resistor 0 OHM 1/8W Panasonic Any with similar spec 22 R11 CRCW0805390RFK EA 0805 (2012 Metric) Resistor 390 OHM 1% 1/8W Vishay Dale Any with similar spec 23 R13, R15 DNF DNF DNF 24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17 ERA6AEB222V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120-29N DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	19	R7	ERA-6AEB103V	0805 (2012 Metric)	Resistor 10K OHM 0.1% 1/8W	Panasonic	Any with similar spec	
22 R11 CRCW0805390RFK EA 0805 (2012 Metric) Resistor 390 OHM 1% 1/8W Vishay Dale Any with similar spec 23 R13, R15 DNF DNF DNF 24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17 ERA6AEB222V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120-29N DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	20	R8	ERJ-6ENF8251V	0805 (2012 Metric)	Resistor 8.25K OHM 1% 1/8W	Panasonic	Any with similar spec	
22 R11	21	R9, R10, R12	ERJ-6GEY0R00V	0805 (2012 Metric)	Resistor 0 OHM 1/8W	Panasonic	Any with similar spec	
24 R14 ERA6AEB104V 0805 (2012 Metric) Resistor 100K OHM 0.1% 1/8W Panasonic Any with similar spec 25 R17 ERA6AEB222V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120- 29N DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	22	R11		0805 (2012 Metric)	Resistor 390 OHM 1% 1/8W	Vishay Dale	Any with similar spec	
25 R17 ERA6AEB222V 0805 (2012 Metric) Resistor 2.2K OHM 0.1% 1/8W Panasonic Any with similar spec 26 U1 LT8390EFE#PBF SOP65P640X120-29N DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	23	R13, R15	DNF	DNF	DNF	DNF		
26 U1 LT8390EFE#PBF SOP65P640X120- DC-DC Switching Controller Linear Technology/Analog Devices None Total Components	24	R14	ERA6AEB104V	0805 (2012 Metric)	Resistor 100K OHM 0.1% 1/8W	Panasonic	Any with similar spec	
26 U1 L1839UEFE#PBF 29N DC-DC Switching Controller Linear Lechnology/Analog Devices None Total Components	25	R17	ERA6AEB222V	0805 (2012 Metric)	Resistor 2.2K OHM 0.1% 1/8W	Panasonic	Any with similar spec	
Total Components	26	U1	LT8390EFE#PBF		DC-DC Switching Controller	Linear Technology/Analog Devices	None	
Approved Notes	Total Components							4:
	Approved Notes							
				<u> </u>				1

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