

Bill of Materials

MCP16311 .5 sync Buck Eval Bd. (00467)

Project: MCP16311 MSOP+DFN.PrjPCB

Source Data F:\ALTIUM_WORK\projects\MCP16311 MSOP+DFN\MCP16311 MSOP+DFN.PrjPCB

Engineer: SCH Engineer Name

Drawn By: DrawnBy



MICROCHIP

Creation Date: 2:22:33 PM

Print Date: 3:09:19 PM

Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
2	C1, C12	CAP CER 0.1uF 50V X7R 10% 0603	TDK	C1608X7R1H104K	Digi-Key	445-1314-1-ND
4	C2, C3, C7, C8	CAP CER 10UF 50V X7S 1210	TDK Corporation	C3225X7S1H106M	Digi-Key	445-4537-1-ND
4	C5, C6, C10, C11	CAPACITOR, 1206, X7R, 16V, 10UF	TDK	C3216X7R1C106K	Digi-Key	445-4042-1-ND
2	CVCC, CVCC2	CAP CER 1uF 16V 10% X7R 0603	TDK Corporation	C1608X7R1C105K	Digi-Key	445-1604-1-ND
8	J1, J2, J3, J4, J5, J6, J7, J8	PC TEST POINT TIN SMD	Harwin Inc	S1751-46R	Digi-Key	952-1478-1-ND
1	L1	CHOKE, SMD, 15UH	WUERTH ELEKTRONIK	7447779115	Digi-Key	732-4137-1-ND
1	L2	CHOKE, SMD, 22UH	WUERTH ELEKTRONIK	7447779122	Digi-Key	732-1194-1-ND
2	RB, RB2	RES 10k Ohm 1/10W 1% 0603 SMD	Panasonic - ECG	ERJ-3EKF1002V	Digi-Key	P10.0KHCT-ND
2	REN, REN2	RES 1M Ohm 1/10W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ105V	Digi-Key	P1.0MGCT-ND
1	RT	RES 30.9K OHM 1/10W 1% 0603	Stackpole Electronics Inc	RMCF0603FT30K9	Digi-Key	RMCF0603FT30K9CT-ND
1	RT2	RES 52.3K OHM 1/10W 1% 0603 SMD	Panasonic - ECG	ERJ-3EKF5232V	Digi-Key	P52.3KHCT-ND

Microchip Consigned Parts listed below

1	U1	30V SYNCHRONOUS BUCK VOLTAGE REGULATOR	Microchip	MCP16311T-E/MS		
1	U2	30V SYNCHRONOUS BUCK VOLTAGE REGULATOR	Microchip	MCP16312T-E/MNY		

Mechanical Parts to be added in the package

Do Not Populate Parts listed below

Approved **Notes**

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