

Bill of Materials For

MCP16331 Buck Converter Evaluation Board

ADM00519



Project: _____
 Source Data From: _____
 Engineer: _____
 Drawn By: _____

Creation Date: _____
 Print Date: 2:06:44 PM

Column=Quantity	Column=Designator	Column=Description_	Column=Manufacturer 1	Column=Manufacturer Part Number 1	Column=Supplier 1	Column=Supplier Part Number 1
2	C2, C3	CAP CER 10UF 100V X7S 2220	TDK	C5750X7S2A106M230KB	Digi-Key	445-5212-2-ND
2	C4, C5	CAP CER 10UF 50V X7S 1210	TDK Corporation	C3225X7S1H106M	Digi-Key	445-4537-1-ND
1	D1	DIODE SWITCH 75V 150MA SOD323	Micro Commercial Co	1N4148WX-TP	Digi-Key	1N4148WXTPMSTR-ND
1	D2	DIODE SCHOTTKY 100V 1A SMB	ON Semiconductor	MBRS1100T3G	Digi-Key	MBRS1100T3GOSTR-ND
1	R1	RES 0 Ohm 1206 SMD	WELWYN	WCR1206-R005JI	Digi-Key	
1	C1	CAP CER 0.1uF 50V X7R 10% 0603	TDK	C1608X7R1H104K	Digi-Key	445-1314-1-ND
1	L1	CHOKE, SMD, 15UH	WUERTH ELEKTRONIK	7447779115	Digi-Key	732-4137-1-ND
1	RT1	RES 52.3K OHM 1/10W .1% 0603 SMD	Panasonic - ECG	ERA-3AEB5232V	Digi-Key	ERA-3AEB5232V-ND
1	RB	RES 10k Ohm 1/10W 1% 0603 SMD	Panasonic - ECG	ERJ-3EKF1002V	Digi-Key	P10.0KHCT-ND
1	RT2	RES 80.6K OHM 1/10W 1% 0603 SMD	Panasonic Electronic Comp	ERJ-3EKF8062V	Digi-Key	P80.6KHCT-ND
1	JP1	MECH HW JUMPER 2.54mm 1x2 Handle Gold	TE Connectivity	881545-2	Digi-Key	A26242-ND
1	J5	CONN HDR Male .100 1x2POS VERT	FCI	77311-118-02LF	Digi-Key	609-4434-ND
4	J1, J2, J3, J4	PC TEST POINT TIN SMD	Harwin Inc	S1751-46R	Digi-Key	952-1478-1-ND
1	SW1	2.54mm SW SMD DIP	Würth Electronics Inc	418121270801	Digi-Key	

Microchip Consigned Parts listed below

1	U1	High Voltage Buck Converter	Microchip	MCP16331T-E/CH		
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Mechanical Parts to be added in the package

Do Not Populate Parts listed below

Approved	Notes