

Bill of Materials

MCP1642B Evaluation Board

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Part Number: ADM00460

Revision: 1

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Drawn By: Stefan Ponova



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Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
4	CIN1, CIN2, COUT1, COUT2	CAP CER 10uF 10V 10% X7R SMD 0805	TDK	C2012X7R1A106K125AC	Digi-Key	445-6857-1-ND
8	J1, J2, J3, J4, J5, J6, J7, J8	CON TP LOOP Tin SMD	Harwin Inc	S1751-46R	Digi-Key	952-1478-1-ND
2	J9, J10	CON HDR-2.54 Male 1x3 Gold 5.84MH TH VERT	FCI	68000-103HLF	Digi-Key	609-3461-ND
2	L1, L2	INDUCTOR 4.7uH 2A 20% SMD XFL4020	Coilcraft	XFL4020-472MEB	Coilcraft	XFL4020-472MEB
1	R3	RES TKF 5.1k 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF5101V	Digi-Key	P5.10KHCT-ND
1	RB	RES TKF 309k 1% 1/10W SMD 0603	Yageo	RC0603FR-07309KL	Digi-Key	311-309KHRCT-ND
1	RT	RES TKF 976k 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF9763V	Digi-Key	P976KHCT-ND

Microchip Parts listed below

1	U1	MCHP ANALOG SWITCHER BOOST 3.3V MCP1642D-33I/MC DFN-8	Microchip	MCP1642D-33I/MC	Microchip	MCP1642D-33I/MC
1	U2	MCHP ANALOG SWITCHER BOOST 1.8V to 5.5V MCP1642B-ADJI/MS MSOP-8	Microchip	MCP1642B-ADJI/MS	Microchip	MCP1642B-ADJI/MS

Mechanical Parts to be added in the package

2	JP1, JP2	MECH HW JUMPER 2.54mm 1x2 Handle	TE Connectivity	881545-2	Digi-Key	A26242-ND

Do Not Populate Parts listed below						
Approved	Notes					