

Bill of Materials

MCP1661 Evaluation Board

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Part Number: ADM00566

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
3	C1, C3, C4	CAP CER 10UF 10V 10% X7R 0805	TDK Corporation	C2012X7R1A106K125AC	Digi-Key	445-6857-1-ND
1	C2	CAP CER 10UF 25V 20% X7R 1210	TDK Corporation	C3225X7R1E106M250AC	Digi-Key	445-1434-1-ND
1	CC	CAP CER 1UF 25V 10% X7R 0805	TDK Corporation	C2012X7R1E105K125AB	Digi-Key	445-1354-1-ND
2	D1, D2	DIODE SCHOTTKY 40V 0.5A SOD123	Micro Commercial Co	MBR0540TPMSCT-ND	Digi-Key	MBR0540TPMSCT-ND
1	L1	INDUCTOR 4.7uH 2A 20% SMD XFL4020	Coilcraft	XFL4020-472MEB	Coilcraft	XFL4020-472MEB
1	L2	COUPLED INDUCTOR SEPIC/CIK 4.7UH	Würth Electronics Inc	744878004	Digi-Key	732-2302-1-ND
1	RB	RES 120K OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-07120KL	Digi-Key	311-120KCRCT-ND
1	RT	RES 1.05M OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-071M05L	Digi-Key	311-1.05MCRCT-ND
1	RB2	RES 1.30K OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-071K3L	Digi-Key	311-1.30KCRCT-ND
1	RT2	RES 2.20K OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-072K2L	Digi-Key	311-2.20KCRCT-ND
1	REN	RES 1.00M OHM 1/8W 1% 0805 SMD	Yageo	RC0805FR-071ML	Digi-Key	311-1.00MCRCT-ND
1	SW1	SWITCH SPST 24V 25mA 418121270801 SMD	Würth Electronics Inc	418121270801	Würth Electronics	418121270801
8	J1,J2,J3,J4, J5, J6, J7, J8	PC TEST POINT TIN SMD	Harwin Inc	S1751-46R	Digi-Key	952-1478-1-ND

Microchip Parts listed below

2	U1, U2	HIGH VOLTAGE BOOST CONVERTER	Microchip	MCP1661T-E/OT	Microchip	MCP1661T-E/OT

Mechanical Parts to be added in the package

Do Not Populate Parts listed below

2	C5, C6					
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Approved	Notes					