

# Bill of Materials Report

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Project Name: LM20242 Demo Board

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Variant: LM20242 Demo Board

Schematic Rev: B

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Designator	CompType	Value	Footprint	Parameters	Vendor	PartNumber
C1, C2, C3	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475K
C4	Capacitor	100nF	0805	Ceramic, X7R, 100V, 10%	TDK	C2012X7R2A104K
C5	Capacitor	1uF	0603	Ceramic, X7R, 10V, 10%	MuRata	GRM188R71A105KA61D
C6, C9	Capacitor	100nF	0603	Ceramic, X7R, 50V, 10%	TDK	C1608X7R1H104K
C7	Capacitor	120pF	0603	Ceramic, C0G, 50V, 5%	TDK	C1608C0G1H121J
C8	Capacitor	2.2nF	0603	Ceramic, C0G, 50V, 5%	TDK	C1608C0G1H222J
C10	Capacitor	100uF	1210	Ceramic, X5R, 6.3V, 20%	Kemet	C1210C107M9PAC
C11	Capacitor	1uF	0805	Ceramic, X7R, 50V, 10%	MuRata	GRM21BR71H105KA12L
D1, D2	Diode		SOD-123	Vr = 40V, Io = 0.5A, Vf = 0.51V	Fairchild	MBR0540
J1, J2, J3, J4	Terminal		TURRET		Keystone	1503-2
J9, J10	Test Point		TESTPOINT		Keystone	5002
L1	Inductor	15uH	MSS1278	Shielded Drum Core, 6.5A, 0.038Ohm	Coilcraft Inc.	MSS1278-153
R1, R6, R9	Resistor	10kΩ	0603	1%, 0.1W	Vishay	CRCW06031002F
R2	Resistor	205kΩ	0603	1%, 0.1W	Vishay	CRCW06032053F
R3	Resistor	12.1kΩ	0603	1%, 0.1W	Vishay	CRCW06031212F
R4	Resistor	348Ω	0603	1%, 0.1W	Vishay	CRCW0603348RF
R5	Resistor	30.9kΩ	0603	1%, 0.1W	Vishay	CRCW06033092F
R7	Resistor	0Ω	0603	0%, 0.1W	Vishay	CRCW06030000Z0EA
R8	Resistor	49.9kΩ	0603	1%, 0.1W	Vishay	CRCW06034992F
U1	Switcher		MXA20A		National Semiconductor	LM20242