

# BILL OF MATERIALS

## ADP2230CP-EVALZ (adjustable VOUT)

Qty	Reference Designator	Description	Manufacturer	Part Number <sup>1</sup>	
1	U1	ADP2230 Dual, Synchronous, 2MHz Buck	Analog Devices, Inc.	ADP2230ACPZ-R7	
3	C1, C2, C3, C6	Capacitor, 10 $\mu$ F, 16V, 0805	Murata	GRM21BR61C106KE15	
-	C4, C5	Capacitor		open	
2	L1, L2	Inductor, 2.2 $\mu$ H, 1.35 A	Coil Craft	XFL3012-222MEB	
1	R1	Resistor, 499 k $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW0603499KFKEA	VOUT = 1.2V
1	R2	Resistor, 1 M $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW06031M00FKEA	
1	R3	Resistor, 432 k $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW0603432KFKEA	VOUT = 3.3V
1	R4	Resistor, 137 k $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW0603137KFKEA	
1	R5	Resistor, 1.82 M $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW06031M82FKEA	
1	R6	Resistor, 10 M $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	CRCW060310M0FKEA	
1	R7	Resistor, 0 $\Omega$ , $\pm$ 1%, 0603	Vishay Dale	WSL0603R0100FEA	
-	R8	Resistor		open	
3	EN1, EN2, SYNC	Headers, 0.100 in, single, straight, 3-pin	Sullins Connector Solutions	PBC03SAAN <sup>2</sup>	
2	SW1, SW2	Headers, 0.100 in, single, straight, 1-pin	Sullins Connector Solutions	PBC01SAAN <sup>2</sup>	
4	VIN, GNDx3, VOUT1, VOUT2	Test point loop connectors	Aavid Thermalloy	125800D00000G	

[1] [Equivalent substitutions may be made for all resistors and capacitors.](#)

[2] [Alternatively, PBC36SAAN can be purchased and cut as necessary.](#)

V <sub>OUT</sub> (V)	R1 (k $\Omega$ )	R2 (k $\Omega$ )
0.8	0	empty
1.1	412	1100
1.2	499	1000
1.8	187	150
2.5	255	121
3.0	499	182
3.3	432	137
5.0	887	169
6.0	1000	154