

TITLE: Bill of Materials EVAL-LTC7065-AZ_REV B
DESIGN: 02_073689b_top

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
1	1	PCB			Analog Devices Supplied	08_073689b	
2	2	CAP CER 0.22uF 50V 10% X7R 0603 AEC-Q200	0.22uF	C1, C3	MURATA	GCM188R71H224KA64D	
3	1	CAP CER 4.7uF 25V 10% X5R 0603 AEC-Q200	4.7uF	C2	MURATA	GRT188R61E475KE13D	
7	1	DIO SCHOTTKY 100V 1A SOD123HE AEC-Q101	S110FP	D1	ONSEMI	S110FP	
8	1	CONN-PCB 3POS UNSHROUDED HDR SINGLE ROW ST, 5.84MM POST HEIGHT, 2.54MM SOLDER TAIL, 2.54MM PITCH	TSW-103-07-F-S	JP1	SAMTEC INC.	TSW-103-07-F-S	
10	2	TRAN N-CHANNEL MOSFET 100V 80A 8LD TDSO N	BSC070N10NS5ATMA1	Q1, Q2	INFINEON TECHNOLOGIES	BSC070N10NS5ATMA1	
11	1	RES SMD 100K Ohm 1% 1/10W 0603 AEC-Q200	100K	R1	VISHAY	CRCW0603100KFKEA	
12	1	RES SMD 10 Ohm 1% 1/10W 0603 AEC-Q200	10	R2	PANASONIC	ERJ-3EKF10R0V	
13	5	CONN-PCB SOLDER TERMINAL TEST POINT TURRET 0.094" MTG. HOLE PCB 0.062 INCH THK	2501-2-00-80-00-00-07-0	TP1, TP2, TP3, TP4, TP5	MILL-MAX	2501-2-00-80-00-00-07-0	
14	4	CONN-PCB BANANA JACK	575-4	TP9, TP10, TP11, TP12	KEYSTONE ELECTRONICS	575-4	
15	3	CONN-PCB TEST POINT COMPACT MINI	5019	TP6, TP7, TP8	KEYSTONE ELECTRONICS	5019	
16	1	IC-ADI 100V HALF-BRIDGE DRIVER WITH RNADAPTIVE SHOOT-THROUGH PROTECTION	LTC7065RMSE	U1	ANALOG DEVICES	LTC7065RMSE#TRPBF	

Mechanical Parts

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
2	1	SHUNT 2 (2X1) POS CONNECTOR BLACK 2.54MM			SAMTEC INC.	SNT-100-BK-T	
3	4	STANDOFF, BRD SPT SNAP FIT 12.7MM LENGTH			KEYSTONE	8833	

The following components are part of the PCB or are NOT to be installed

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
4	1	CAP FILM 10UF 250V 10% 31X15.9MM, 27.5MM	10UF	C4	PANASONIC	ECQE2106KF	DNI
5	4	CAP CER 10UF 100V 10% X7S 1210	10UF	C5, C7, C8, C9	MURATA	GRM32EC72A106KE05L	DNI
6	1	CAP CER 0.1UF 100V 10% X7R 1210 AEC-Q200	0.1UF	C6	AVX CORPORATION	12101C104K4T2A	DNI
9	1	IND POWER SHIELDED WIREWOUND 10UH 10% 500KHZ 30A 0.00205 OHM DCR AEC-Q200	10UH	L1	COILCRAFT INC.	SER2915H-103KL	DNI