

					Capture CIS Standard Bill Of Materials - Standard Report						
						Report Created on Wednesday May 17 16:48:50 2023					
STEP-DOWN SILENT SWITCHER 2											
SKU# = EVAL-LT8646SA-AZ											
IC NO. = LT8646SA											
PCA BOM = 700-EVAL-LT8646SA-AZ_REV01											
PCA ASS'Y DWG = 705-EVAL-LT8646SA-AZ_REV01											
PCA SCHEMATIC = EVAL-LT8646SA-AZ_REV 1											
Item Number	Quantity	Part Reference	Description	Manufacturer	Manufacturer PN	MFR PN Status	Value	PART_NUMBER	BOM Notes		
1	1	C1	CAP.,22uF,ALUM,100V,20%,8x10.2mm,SMD,RADIAL,AEC-Q200,CE-BS	SUN ELECTRONIC INDUSTRIES	100CE22B5	Y	22uF	150-0327			
2	4	C2,C4,C8,C12	CAP.,0.1uF,X7S,100V,10%,0603,AEC-Q200	TDK	CGA3E3X7S2A104K080AB	Y	0.1uF	150-2322			
3	2	C3,C10	CAP.,2.2uF,X7R,100V,10%,1210	MURATA AVX MURATA NIC TDK	GRM32ER72A225KA35L 12101C225KAT2A GRM32ER72A225KA35K NMC1210X7R225K100TRP LPF C3225X7R2A225K230AB	S Y S Y Y	2.2uF	150-3049			
4	4	C6,C9,C19,C20	CAP.,10uF,X7S,100V,10%,1210	MURATA	GRM32EC72A106KE05L	Y	10uF	150-2537			
5	1	C14	CAP.,0.1uF,X5R,100V,10%,0402,NO SUBS. ALLOWED	MURATA	GRM155R62A104KE14D	Y	0.1uF	150-2279			
6	1	C16	CAP.,4.7pF,C0G/NP0,50V,+/-0.25pF,0603	MURATA NIC AVX	GRM1885C1H4R7CA01D NMC0603NP04R7C50TRPF 06035A4R7CAT2A	S Y Y	4.7pF	150-2223			
7	1	C17	CAP.,4.7uF,X7S,100V,10%,1210	SAMSUNG TDK TDK MURATA	CL32Y475KCVZW6E C3225X7S2A475K200AB C3225X7S2A475K200AE GRM32DC72A475KE01L	Y Y Y S	4.7uF	150-2270			
8	0	C18,C21,C25	CAP., OPTION, 0603				OPT	150-3038		NO STUFF	
9	0	C22	CAP., OPTION, 0805				OPT	150-3036		NO STUFF	
10	1	C23	CAP.,330pF,C0G/NP0,50V,10%,0603,AEC-Q200	AVX	06035A331K4T2A	Y	330pF	150-1000			
11	1	C24	CAP.,1uF,X7R,100V,10%,0805,AEC-Q200	AVX	08051C105K4T2A	Y	1uF	150-0903			
12	9	E1,E5,E6,E7,E8,E9,E11,E14	TEST POINT,TURRET,0.094" MTG. HOLE,PCB 0.062" THK	MILL-MAX	2501-2-00-80-00-00-07-C	Y		TEST POINT	260-0003		
13	6	E2,E10,E12,E13,E15,E16	TEST POINT,TURRET,0.064" MTG. HOLE,PCB 0.062" THK	MILL-MAX	2308-2-00-80-00-00-07-C	Y		TEST POINT	260-0004		
14	1	FB1	IND.,100 OHMS@100MHz,FERRITE BEAD,25%,8A,6mOHMS,1812	WURTH ELEKTRONIK	74279226101	Y	100 OHMS@100MHz	200-0280			
15	4	J1,J2,J3,J4	CONN.,BANANA JACK,FEMALE,THT,NON-INSULATED,SWAGE,0.218"	KEYSTONE	575-4	Y		BANANA JACK	250-0428		
16	1	JP1	CONN.,HDR,MALE,2x4,2mm,VERT,STR,THT	WURTH ELEKTRONIK	62000821121	Y		HDR	250-0581		
17	1	L1	IND.,2.2uH,PWR,SHIELDED,20%,10A,13.97mOhms,6.56mmX6.36mm,AEC-Q200	COILCRAFT COILCRAFT	XEL6030-222MEB XEL6030-222MEC	Y Y	2.2uH	200-0673			
18	4	MP1,MP2,MP3,MP4	STANDOFF,NYLON,SNAP-ON,0.50"	KEYSTONE	8833	Y	STANDOFF	763-0007			
19	1	R1	RES.,100k OHMS,5%,1/10W,0603,AEC-Q200	NIC PANASONIC VISHAY	NRC06J104TRF ERJ3GEYJ104V CRCW0603100KJNEA	Y Y Y	100k	100-0312			
20	1	R2	RES.,17.8k OHMS,1%,1/10W,0603,AEC-Q200	NIC PANASONIC VISHAY	NRC06F1782TRF ERJ3EKF1782 CRCW060317K8FKEA	Y Y Y	17.8k	100-0867			
21	1	R3	RES.,243k OHMS,1%,1/10W,0603	VISHAY YAGEO	CRCW0603243KFKEA RC0603FR-07243KL	Y Y	243k	100-2672			
22	1	R5	RES.,100k OHMS,1%,1/10W,0603,AEC-Q200	VISHAY NIC PANASONIC YAGEO	CRCW0603100KFKEA NRC06F1003TRF ERJ3EKF1003V RC0603FR-07100KL	Y Y Y Y	100k	100-0343			
23	0	R6	RES., OPTION, 0603				OPT	100-2374		NO STUFF	
24	1	R7	RES.,1M OHM,1%,1/10W,0603,AEC-Q200	NIC PANASONIC VISHAY STACKPOLE ELECTRONICS, INC.	NRC06F1004TRF ERJ3EKF1004V CRCW06031M00FKEA RMCF0603F11M00	Y Y Y Y	1M	100-0119			
25	2	R8,R9	RES.,0 OHM,1/10W,0603,AEC-Q200	PANASONIC VISHAY	ERJ3GEYR00V CRCW06030000Z0EA	Y Y		0	100-0204		
26	1	R11	RES.,7.5k OHMS,1%,1/10W,0603,AEC-Q200	NIC PANASONIC VISHAY	NRC06F7501TRF ERJ3EKF7501V CRCW06037K50FKEA	Y Y Y	7.5k	100-1007			
27	1	U1	IC., 65V, 8A Synchronous Step-Down Silent Switcher 2	ANALOG DEVICES	LT8646SAEV#PBF		LT8646SAEV#PBF	LT8646SAEV#PBF-LOCAL			
28	1	XJP1	CONN.,SHUNT,FEMALE,2 POS,2mm	Wurth Elektronik	60800213421	Y	SHUNT	250-0485			