

EVALMODST8500-1 - Rev 421

BILL OF MATERIALS



Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	23	C100,C104,C105,C107,C111,C112,C115,C118,C119,C123,C128,C130,C133,C134,C136,C139,C140,C141,C143,C145,C200,C206,C207	100NF	50V	CER	15%	0402	N.A.	100NF_50V_X5R_0402
2	1	C102	4.7UF	6.3V	CER	15%	0402	N.A.	4.7UF_6V3_X5R_0402
3	2	C106,C109	18PF	50V	CER	5%	0402	N.A.	18PF_50V_COG_0402
4	3	C108,C129,C131	1UF	16V	CER	10%	402	N.A.	1UF_16V_X5R_0402
5	2	C110,C214	4.7UF	25V	CER	15%	603	N.A.	4.7UF_25V_X7R_0603
6	2	C113,C121	CLOSE		CER		603	N.A.	C_CLOSE_0603
7	2	C114,C122	1NF	50V	CER	15%	0603	N.A.	1NF_50V_X5R_0603
8	1	C117	2.2NF	50V	CER	15%	0603	N.A.	2.2NF_50V_X7R_0603
9	2	C124,C147	100NF	50V	CER	15%	0603	N.A.	100NF_50V_X7R_0603
10	2	C125,C148	10UF	25V	CER	10%	0805	N.A.	10UF_25V_X7R_0805
11	2	C126,C149	4.7PF	50V	CER	5%	402	N.A.	4.7PF_50V_COG_0402
12	2	C127,C150	27PF	50V	CER	5%	402	N.A.	27PF_50V_COG_0402
13	2	C132,C135	1UF	25V	CER	10%	805	N.A.	1UF_25V_X5R_0805
14	2	C137,C144	6.8PF	50V	CER	5%	402	N.A.	6.8PF_50V_COG_0402
15	2	C138,C142	22UF	25V	CER	10%	1206	N.A.	22UF_25V_X5R_1206
16	2	C146,C215	22UF	25V	CER	20%	805	N.A.	22UF_25V_X5R_0805
17	2	C151,C201	NP		CER		402	N.A.	C_NP_0402
18	1	C152	1NF	25V	CER	15%	402	N.A.	1NF_25V_X5R_0402
19	2	C204,C205	4.7UF	6.3V	CER	15%	603	N.A.	4.7UF_6V3_X5R_0603
20	1	C209	470NF	330VAC	FILM	20%	L26.5_W10.5_H16.5 P22.5	EPCOS	B32913A3474M
21	1	D100	SMAJ6.5CA		TVS		SMA	STMICROELECTRONICS	SMAJ6.5CA
22	4	D101,D102,D103,D104	STPS1L30A		SCHOTTKY		SMA	STMICROELECTRONICS	STPS1L30A
23	2	D200,D201	GREEN		LED		603	WURTH ELEKTRONIK	150060VS75000
24	3	D202,D203,D204	YELLOW		LED		0603	WURTH ELEKTRONIK	150060YS75000
25	1	D205	STTH1L06A		RECTIFIER		SMA	STMICROELECTRONICS	STTH1L06A
26	1	D206	SM6T15CA		TVS		SMB	STMICROELECTRONICS	SM6T15CA
27	2	D208,D209	SM6T10CA		TVS		SMB	STMICROELECTRONICS	SM6T10CA
28	1	D210	NP		ZENER		SOD323	FAIRCHILD	MM3Z3V0C
29	4	J102,J103,J104,J105	61300211121		HEADER			WURTH ELEKTRONIK	61300211121
30	1	J200	61302821121		HEADER			WURTH ELEKTRONIK	61302821121
31	1	J201	61300821121		HEADER			WURTH ELEKTRONIK	61300821121
32	1	J205	20021311-00010T4LF		HEADER			AMPHENOL	20021311-00010T4LF
33	1	L101	1K	0.2A	FERRITE	25%	0402	WURTH ELEKTRONIK	742792796

34	1	L103	NP		INDUCTOR		2518	N.A.	L_NP_2518
35	1	L201	2.2uH	1.3A	INDUCTOR	20%	1008	WURTH ELEKTRONIK	74479787222A
36	1	L202	NP	0.3A	INDUCTOR	20%	L10_W10_H3	WURTH ELEKTRONIK	7447713102
37	1	L203	18uH	2.8A	INDUCTOR	30%	L10_W10_H3.8	WURTH ELEKTRONIK	744066180
38	1	M100	J104 : CLOSE 1-2		JUMPER			WURTH ELEKTRONIK	60900213621
39	1	M101	J102 : CLOSE 1-2		JUMPER			WURTH ELEKTRONIK	60900213621
40	1	M102	J103 : CLOSE 1-2		JUMPER			WURTH ELEKTRONIK	60900213621
41	1	M103	J105 : CLOSE 1-2		JUMPER			WURTH ELEKTRONIK	60900213621
42	5	Q200,Q201,Q202,Q203,Q204	N-MOS		CMS		SOT23	STMICROELECTRONICS	2N7002
43	2	Q205,Q206	N-MOS		CMS		SOT23-6L	STMICROELECTRONICS	STT6N3LLH6
44	2	R100,R252	0R	1/16W	RES	5%	0402	N.A.	0R_5%_0402
45	2	R102,R106	75R	1/10W	RES	1%	0603	N.A.	75R_1%_0603
46	2	R103,R104	50R	1/16W	RES	1%	402	N.A.	50R_1%_0402
47	1	R107	33R	1/16W	RES	5%	402	N.A.	33R_5%_0402
48	5	R108,R109,R117,R118,R217	10K	1/16W	RES	5%	402	N.A.	10K_5%_0402
49	2	R110,R124	6.8K	1/16W	RES	1%	402	N.A.	6.8K_1%_0402
50	2	R111,R125	2K	1/16W	RES	1%	402	N.A.	2.00K_1%_0402
51	8	R113,R114,R115,R116,R119, R121,R122,R123	47K	1/16W	RES	1%	402	N.A.	47K_1%_0402
52	1	R128	20R	1/16W	RES	1%	402	N.A.	20R_1%_0402
53	4	R129,R130,R218,R221	0R	1/10W	RES	5%	603	N.A.	0R_5%_0603
54	1	R131	31.6R	1/16W	RES	1%	402	N.A.	31.6R_1%_0402
55	2	R132,R133	1R	1/2W	RES	5%	805	PANASONIC	ERJP06J1R0V
56	2	R134,R135	CLOSE		RES		603	N.A.	SMALL TIN-DROP CLOSE
57	1	R136	150R	1/10W	RES	1%	603	N.A.	150R_1%_0603
58	2	R137,R138	OPEN		RES		603	N.A.	SMALL TIN-DROP OPEN
59	1	R200	100K	1/16W	RES	5%	402	N.A.	100K_5%_0402
60	5	R204,R205,R206,R207,R208	2.7K	1/16W	RES	5%	0402	N.A.	2.7K_5%_0402
61	1	R209	1K	1/16W	RES	5%	0402	N.A.	1K_5%_0402
62	3	R210,R212,R213	33K	1/4W	RES	5%	1206	N.A.	33K_5%_1206
63	1	R211	100K	1/8W	RES	5%	0805	N.A.	100K_5%_0805
64	1	R214	47K	1/16W	RES	5%	0402	N.A.	47K_5%_0402
65	1	R215	1M	1/16W	RES	5%	0402	N.A.	1M_5%_0402
66	1	R219	10K	1/10W	RES	1%	0603	N.A.	10.0K_1%_0603
67	1	R220	12K	1/10W	RES	1%	0603	N.A.	12K_1%_0603
68	1	R222	NP		RES		0603	N.A.	R_NP_0603
69	1	R247	10K	1/10W	RES	5%	0603	N.A.	10K_5%_0603
70	1	R248	NP	3/5W	VARISTOR	4.5KA	D15.5_W6.4_H19_P 7.5	EPCOS	B72214S0461K101
71	2	R249,R250	NP		RES		0402	N.A.	R_NP_0402
72	1	R251	OPEN		RES		2512	N.A.	TIN-DROP_2512_OPEN
73	1	T200	NP		TRANSFORMER		L14_W14_H12.7	WURTH ELEKTRONIK	750510231
74	1	T201	750510730		TRANSFORMER		L13.46_W15.72_H1 3.72	WURTH ELEKTRONIK	750510730

75	14	TP100,TP101,TP102,TP103, TP104,TP105,TP106,TP107, TP108,TP200,TP201,TP202, TP203,TP204	TP_HEIGHT_2.5		TEST POINT			Stelvio Kontek	3110346000500
76	1	TP109	TPSMD-1MM		TEST POINT			N.A.	TPSMD-1MM
77	1	U100	ST8500		CONTROLLER		QFN56	STMICROELECTRONICS	ST8500
78	1	U101	STLD1		DRIVER		VFQFN24	STMICROELECTRONICS	STLD1
79	1	U200	W25Q16JVSNIQ		MEMORY		SO8	WINBOND	W25Q16JVSNIQ
80	1	U202	TLP785		ISOLATOR		DIP4	TOSHIBA	TLP785
81	1	U204	ST1S12GR		CONVERTER		TSOT23-5	STMICROELECTRONICS	ST1S12GR
82	1	Y100	25MHz		QUARTZ		L3.2_W2.5	TXC	7M25070054