

Data: First released on 13/March, 2007

Document reference:	STEVAL-ISC002V1	Resonant LCC 90W Notebook Adapter
Company:	STMicroelectronics	

Index	Quantity	Reference	Value / Generic Part Number	Package (Footprint)	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	1	Printed Circuit Board (PCB)	mssc00207v1	double side 94V0	-	mssc00207v1	-	
2	1	BD1	D2SB60A	2S (SIL-4)	SHINDENGEN	D2SB60A	SAI	
3	1	CN1	Connector 3 PIN	MKDSN1.5 3P 5.08				
4	1	CN2	Connector 2 PIN	MKDSN1.5 2P 5.08				
5	2	CR202,CR201	STPS20L60CT	TO-220	STMicroelectronics		ST	
6	2	CX1,CX2	470nF/250V	XCAP				
7	1	CY1	3.3nF	YCAP	Pan Overseas	AH12F332ML0	Pan Overseas	
8	1	C1	470nF/450V	18(L) x 7(W) x 10(H)mm	Philips	MKT368 450V470nF	Philips	
9	2	C2,C21	NC	C0603				
10	2	C3,C24	0.1uF	C0603	TDK	C1608X7R1E104K	TDK	
11	2	C4,C25	47uF/25V	ECAP5	CapXon	GR470H025C110	CapXon	
12	1	C5	1nF	C0603	TDK	C1608X7R1E102K	TDK	
13	1	C6	1uF/25V	C0603	TDK	C1608X7R1E105K	TDK	
14	2	C7,C9	1nF	C0603	TDK	C1608X7R1E102K	TDK	
15	1	C8	470nF	C0603	TDK	C1608X7R1E474K	TDK	
16	1	C10	100nF	C0603	TDK	C1608X7R1E104K	TDK	
17	1	C11	2.2nF	C0603	TDK	C1608X7R1E222K	TDK	
18	1	C12	NC	C1206				
19	1	C13	68uF/450V	ECAP18	CapXon	GR680H450K315	CapXon	
20	1	C14	68pF	C0603	TDK	C1608COG1E680J	TDK	
21	1	C15	2.2uF/6.3V	C0805	TDK	C2012X7R0J225K	TDK	
22	1	C16	220nF	C0603	TDK	C1608X7R1E224K	TDK	
23	1	C17	470pF NPO	C0603	TDK	C1608X7R1E471J	TDK	
24	1	C18	470nF	C0603	TDK	C1608X7R1E474K	TDK	
25	1	C19	1nF/25V	C0603	TDK	C1608X7R1E102K	TDK	
26	1	C20	4.7nF	C0603	TDK	C1608X7R1E472K	TDK	
27	1	C22	100nF X7R	C0805	TDK	C2012X7R1E104K	TDK	
28	1	C23	100nF	C0805	TDK	C2012X7R1E104K	TDK	
29	1	C26	22nF/300VAC	16(L) x 5(W) x 10(H)mm	Philips	MKT368 300V22nF	Philips	
30	1	C27	220P/500V	CDCAP6	Pan Overseas	EM6221MH	Pan Overseas	
31	1	C28	330uF/35V	ECAP8	CapXon	GR331H035F110	CapXon	
32	2	C201,C202	470u/25V	ECAP8	CapXon	GR471H025F125	CapXon	
33	1	C204	100nF/25V	C1206	TDK	C2012X7R1E104K	TDK	
34	1	C203	100uF/25V	ECAP5	CapXon	GR101H025C7R5	CapXon	
35	1	C205	1uF/25V	C1206	TDK	C3216X7R1E105K	TDK	
36	2	C208,C206	NC	C0805				
37	1	C207	220nF	C0805	TDK	C1206X7R1E224K	TDK	
38	7	D1,D2,D4,D5,D6,D7,D8,D9	1N4148	SMD	Philips	1N4148	Philips	
39	1	D3	STTH2R06	DO41	STMicroelectronics	STTH2R06	ST	
40	1	D11	1N4007	DO41	Philips	1N4007	Philips	
41	1	FL1	8mH 1.7Ampares	mssc00207_OTC19.pdf	Yujing Technology Co.,	FOTC1905500800A	Yujing	
42	1	F1	T4A/250VAC	FUSE8 5L4.5T8.0H				
43	1	IC201	TL431 CZ	TO92	STMicroelectronics	TL431 CZ	ST	
44	1	L1	QP-25A02	mssc00207_QP25-A02	Yujing Technology Co.,	QP-2520V (8pin) 450uH	Yujing	
45	1	L201	2uH (4φ x 20mm)	pitch= 8mm; hole= 1mm	Yujing Technology Co.,		Yujing	
46	1	NTC1	SCK2R55A	NTC7.5X2.5 5.0	Murata	SCK2R55A	Murata	
47	4	NTC2,R36,R208,R209	NC	R0805				
48	1	Q1	STD1NK60-1	IPAK	STMicroelectronics	STD1NK60-1	ST	
49	2	Q4,Q2	MMBT2222A	SOT23	Philips	MMBT2222A	Philips	
50	1	Q3	STP12NM50	TO-220	STMicroelectronics	STP12NM50	ST	
51	2	Q5,Q6	STP9NK50ZFP	TO-220FP	STMicroelectronics	STP9NK50ZFP	ST	
52	1	Q7	2N3904	TO92	STMicroelectronics	2N3904	ST	
53	3	R1,R2,R3	680K	R1206	TY-OHM	RMC1206 1/4W 680KJ	TY-OHM	
54	3	R4,R23,R24	1M	R1206	TY-OHM	RMC1206 1/4W 1MJ	TY-OHM	
55	1	R5	1.5MF	R1206	TY-OHM	RMC1206 1/4W 1.5MJ	TY-OHM	
56	2	R28,R6	3MF	R1206	TY-OHM	RMC1206 1/4W 3MJ	TY-OHM	
57	2	R27,R7	2MF	R1206	TY-OHM	RMC1206 1/4W 2MJ	TY-OHM	
58	4	R8,R21,R44,R46	100K	R0805	TY-OHM	RMC0805 1/8W 100KJ	TY-OHM	
59	1	R9	6.8K	R0805	TY-OHM	RMC0805 1/8W 6.8KJ	TY-OHM	
60	1	R10	10K	R1206	TY-OHM	RMC1206 1/4W 10KJ	TY-OHM	
61	1	R11	62K	R0805	TY-OHM	RMC0805 1/8W 62KJ	TY-OHM	
62	1	R12	56K	R0805	TY-OHM	RMC0805 1/8W 56KJ	TY-OHM	
63	2	R18	22K	R0805	TY-OHM	RMC0805 1/8W 22KJ	TY-OHM	
64	2	R13	20K	R0805	TY-OHM	RMC0805 1/8W 20KJ	TY-OHM	
65	1	R14	150KF	R0805	TY-OHM	RMC0805 1/8W 150KJ	TY-OHM	
66	1	R15	240KF	R0805	TY-OHM	RMC0805 1/8W 240KJ	TY-OHM	
67	4	R16,R34,R42,R207	0	R0805	TY-OHM	RMC0805 1/8W 0J	TY-OHM	
68	1	R17	1.5ohm	R0805	TY-OHM	RMC0805 1/8W 1.5J	TY-OHM	
69	1	R19	1K	R0805	TY-OHM	RMC0805 1/8W 1KJ	TY-OHM	
70	1	R20	0.27ohm 2W	DIP	TY-OHM	RSN 2W 0.27ohmJ	TY-OHM	
71	1	R22	6.8K	R0805	TY-OHM	RMC0805 1/8W 6.8KJ	TY-OHM	
72	2	R25	15K	R0805	TY-OHM	RMC0805 1/8W 15KJ	TY-OHM	
73	1	R26	82K	R0805	TY-OHM	RMC0805 1/8W 82KJ	TY-OHM	
74	1	R29	5.6KF	R0805	TY-OHM	RMC0805 1/8W 5.6KJ	TY-OHM	
75	1	R30	22KF	R0805	TY-OHM	RMC0805 1/8W 22KJ	TY-OHM	
76	1	R31	39 ohm	R0805	TY-OHM	RMC0805 1/8W 39J	TY-OHM	
77	1	R32	1M	R0805	TY-OHM	RMC0805 1/8W 1MJ	TY-OHM	
78	1	R33	2K7	R0805	TY-OHM	RMC0805 1/8W 2.7KJ	TY-OHM	
79	1	R35	18K	R0805	TY-OHM	RMC0805 1/8W 18KJ	TY-OHM	
80	1	R37	150ohm	R0805	TY-OHM	RMC0805 1/8W 150J	TY-OHM	

81	1	R38	0	R0805	TY-OHM	RMC0805 1/8W 0J	TY-OHM	
82	1	R39	10K	R0805	TY-OHM	RMC0805 1/8W 10KJ	TY-OHM	
83	1	R40	100ohm	R0805	TY-OHM	RMC0805 1/8W 100J	TY-OHM	
84	1	R41	3.9K	R0805	TY-OHM	RMC0805 1/8W 3.9KJ	TY-OHM	
85	2	R45,R43	47ohm	R0805	TY-OHM	RMC0805 1/8W 47J	TY-OHM	
86	1	R47	105ohm	R1206	TY-OHM	RMC1206 1/4W 150J	TY-OHM	
87	1	R48	6.8ohm 1/4W	DIP	TY-OHM	RSN 0.25W 6.8ohmJ	TY-OHM	
88	1	R49	4.7K	R0805	TY-OHM	RMC0805 1/8W 4.7KJ	TY-OHM	
89	6	R50,R51,R52,R53,R201, R202	NC	R1206				
90	1	R203	NC	R1206				
91	1	R204	100ohm	R0805	TY-OHM	RMC0805 1/8W 100J	TY-OHM	
92	1	R205	5.6K	R0805	TY-OHM	RMC0805 1/8W 5.6KJ	TY-OHM	
93	1	R206	39K 1%	R0805	TY-OHM	RMC0805 1/8W 39KJ	TY-OHM	
94	1	R209	1K	R0805	TY-OHM	RMC0805 1/8W 1KJ	TY-OHM	
95	1	R210	2.2K	R0805	TY-OHM	RMC0805 1/8W 2.2KJ	TY-OHM	
96	1	R211	120K	R0805	TY-OHM	RMC0805 1/8W 120KJ	TY-OHM	
97	1	R212	6K2F	R0805	TY-OHM	RMC0805 1/8W 6.2KJ	TY-OHM	
98	1	T1	LP-29A02	mssc00207_LP29-A02	Yujing Technology Co.,	LP-2920H (12P) 750uH	Yujing	
99	1	U1	L6563	SO-14	STMicroelectronics	L6563	ST	
100	1	U2	L6599D	SO-16N	STMicroelectronics	L6599D	ST	
101	1	U3	PC817B	DIP-4	Sharp	PC817B	Sharp	
102	1	ZD1	BZV55-C15	SMD				
103	1	ZD2	BZV55-B27	SMD				
104	1	ZD3	15V	SMD				
105	1	ZD4	BZV55C15	SMD				
106	3	J4,J11,J12	0ohm	R1206	TY-OHM	RMC1206 1/4W 0J	TY-OHM	
107	1	J1	Jumper wire	0.6 Φ x 20mm				
108	1	J2	Jumper wire	0.6 Φ x 22mm				
109	1	J5	Jumper wire	0.6 Φ x 35mm				
110	1	J6	Jumper wire	0.6 Φ x 7.5mm				
111	1	J7	Jumper wire	0.6 Φ x 10mm				
112	1	J8	Jumper wire	0.6 Φ x 35.5mm				
113	1	J9	Jumper wire	0.6 Φ x 10mm				
114	1	J10	Jumper wire	0.6 Φ x 10mm				
115	1	J13	Jumper wire	0.6 Φ x 35mm				
116	1	J14	Jumper wire	0.6 Φ x 7.5mm				
117	1	J15	Jumper wire	0.6 Φ x 7.5mm				
118	1	HS1	Heatsink HS1-A	mssc00207_HS1-A				
119	1	HS2	Heatsink HS2-A	mssc00207_HS2-A				
120	1	HS3	Heatsink HS3-A	mssc00207_HS3-A				
121	2	insulator layer for TO220	Mica Sheet	~	BERCQUIST	Sil-Pad 900S	BERCQUIST	
122	5	Screw bolt for TO220	3 Φ x 6mm	ISO				
123	5	Screw nut for TO220	3 Φ	ISO				
124	2	screw bolt for TO220 (CR201, CR202)	3 Φ x 6mm	ISO				