

PCB reference: <b>mssc00707v1</b>	Document reference: <b>STEVAL-ILD002V1</b>
Company: <b>STMicroelectronics</b>	

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	mssc00707v1		~	mssc00707v1	~	
2	1	L1 (note 1)	2.8 mH (AWG34 * 200T)	2.8mH (AWG34, 200T, with 0.3mm air gap) Part number: PC40EE16Z 2.8mH (Manufacturer is TDK) Bobbin type: BE16-116CPFR	TDK	PC40EE16Z 2.8mh		
3	1	Lr (note 1)	2.8 mH (AWG34 * 200T)	2.8mH (AWG34, 200T, with 0.3mm air gap) Part number: PC40EE16Z 2.8mH (Manufacturer is TDK) Bobbin type: BE16-116CPFR	TDK	PC40EE16Z 2.8mh		
4	1	R1	470k Ohm, 0.5W	TRH				
5	1	R2	560 Ohm	TRH				
6	1	R3	5.1k Ohm	TRH				
7	1	R4	10k Ohm	SMD(0805)				
8	1	R5	100k Ohm	SMD(0805)				
9	1	R6	68k Ohm	SMD(0805)				
10	1	R7	68 Ohm	SMD(1206)				
11	1	R8	180k Ohm, 0.5W	TRH				
12	1	R9	2 Ohm, 0.5W	TRH				
13	1	R10	22 Ohm	TRH				
14	1	R11	22 Ohm	TRH				
15	1	R12	75k Ohm	SMD(0805)				
16	1	R14	10k Ohm	SMD(0805)				
17	1	Rin	10 Ohm-0.5w	TRH				
18	1	C1	10 uF, 450V, Electrolytic	TRH				
19	1	C2	22 uF, 25V, Electrolytic	TRH				
20	1	C3	100 nF	SMD(0805)				
21	1	C4	8.2 nF	SMD(0805)				
22	1	C5	100 nF	SMD(0805)				
23	1	C6	680 pF	SMD(1206)	TDK	C3216C0G2J681J		
24	1	C7	100 nF	SMD(0805)				
25	1	C8	150 nF	SMD(0805)				
26	1	C9	470 pF	SMD(0805)				
27	1	C10	22 uF, 25V, Electrolytic	TRH				
28	2	Cf1, Cf2	33 nF, 400V, CBB	TRH				
29	1	Cb	100 nF, 400V, CBB	TRH				
30	1	Cr	5.6 nF, 1 kV, Ceramic	TRH				
31	1	Lin	4.7 mH	TRH	TDK	TSL1112-472JR21		
32	4	D1, D2, D3, D4	1N4007	-DO41				
33	2	D5, D6	1N4148	SMD				
34	2	Db1, Db2	STTH1L06	DO-41	<a href="#">STMicroelectronics</a>			
35	1	ZD1	15V-DL4744A	Surface Mont MELF	<a href="#">RECTRON Semiconductor</a>			
36	2	Q1, Q2	STD4NK50	IPAK	<a href="#">STMicroelectronics</a>			
37	1	IC1	L6574D	SO16N	<a href="#">STMicroelectronics</a>			

* note 1	Core	PC40EE16-Z or equivalent
	Bobbin	BE16-116CPFR
	Winding	AWG34 * 200 turns
	Air Gap	~ 0.3mm on each leg for the inductance of 2.8mH