

	Document reference: USB Li-Ion Battery Charger			PCB reference: STEVAL-ISB005V1			Date:	9-Sep-08	
	Company: STMicroelectronics								
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity
ST Devices	1	U2	Battery Charger L6924	VFQFPN16	ST	L6924D013TR			1
	2	U4	Microcontroller ST72F63	SO-34	ST	ST72F63BK6M1			1
	3	U3	ESD Protection Device USBLC6	SOT23-6L	ST	USBLC6-2SC6			1
	4	U1	RESET Supervisor STM1001	SOT23-3	ST	STM1001MWX6F			1
	5	D7,D8	Power Schottky Diode STPS1L30	SMB	ST	STPS1L30U			2
Crystal and Oscillator	6	Y1	Q12.0-SS4-30-30/30	11.35mmx4.35mm, SS4	Jauch	Q12.0-SS4-30-30/30			1
Connectors and jumpers	7	J11	BATTERY CONN	Terminal Block-3pin, 3.5mm Pitch, Screw connection	Any				1
	8	J13	BATTERY CONN	HEADER1*3, 2.54mm Pitch, Vertical Friction Lock	Any				1
	9	SW1	Push Button Switch	(6mm X 6mm) push button	Any				1
	10	J1	ICC HEADER	Box Header 2x5pin, 2.54mmx2.54mm Pitch	Any				1
	11	J2	POWER JACK 2.5MM	POWER JACK- 14.17 * 8.96 mm	CUI	PJ-102B			1
	12	USB_CONN 1	SMD USB Mini-B type connector	SMD USB Mini-B type connector	Kycon	KMBX-SMT-5S-S-30TR			1
	13	TP1	TEST POINT	Berg-Stick Pin					1

LEDs	14	D6	Green LED	SMD0805	LITEON	LTST-C170GKT				1	
	15	D2,D3,D4	Yellow LED	SMD0805	LITEON	LTST-C170YKT				3	
Capacitors	16	C3	10uF/25V Tantalum/Electrolytic	EIA 3528-21/ Size A	Any					1	
	17	C5,C6	1uF/25V Tantalum/Electrolytic	EIA 3528-21/ Size A	Any					2	
	18	C1,C2	10nF	SMD0805	Any					2	
	19	C4	1nF	SMD0805	Any					1	
	20	C7,C10,C13	100nF	SMD0805	Any					3	
	21	C8	8.8nF	SMD0805	Any					1	
	22	C11	47nF	SMD0805	Any					1	
	23	C12,C14	33pF	SMD0805	Any					2	
	24	C17	4.7nF	SMD0805	Any					1	
	Resistors	25	R1	4.7k	SMD0805	Any					1
26		R2,R11,R15, R18,R21,R22 ,R25,R26,R2 7,R28	10k	SMD0805	Any					9	
27		R3,R29	1M	SMD0805	Any					2	
28		R4	1k	SMD0805	Any					1	
29		R5,R6,R12,R 14,R19	560	SMD0805	Any					5	
30		R7,R8	22	SMD0805	Any					2	
31		R9	30k	SMD0805	Any					1	
32		R10	3.6k	SMD0805	Any					1	
33		R17	1.5k	SMD0805	Any					1	
34		R24,R16	0	SMD0805	Any					2	
35		R23	20k	SMD0805	Any					1	
36		R20	14k	SMD0805	Any					1	
Notes :		1. R11,R21, R20,R22,R16 : Not mounted.									
		2. U1 : Not mounted.									
		3. The term 'equivalent' has been used where the exact part number from the mentioned vendor may not have been used.									
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