

	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

<b>LEDs</b>	14	D6	Green LED	SMD0805	LITEON	LTST-C170GKT				1
	15	D2,D3,D4	Yellow LED	SMD0805	LITEON	LTST-C170YKT				3
<b>Capacitors</b>	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
<b>Resistors</b>	25	R1	4.7k	SMD0805	Any					1
	26	R2,R11,R15, R18,R21,R22 ,R25,R26,R27, 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
<b>Notes :</b>										
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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