

Document reference:	PCB reference:	Date: Nov 16, 2007
BOM USB02E LS DEMO	STEVAL-PCC004V1	

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code	Comments
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Devices

1	1	U1	Microcontroller	PSDIP32	ST	ST72F63BK4B1			
2	2	U2,U3	Decoder/ Demultiplexer	SO-16	ST	74LCX139MTR			
3	1	U4	Voltage Regulator	SOT23-5L	ST	LD2985BM33R			
4	1	U5	USB transceiver	QFN16	ST	STUSB02EQR			
5	1	Q1	PNP Transistor	SOT-23	ST	2STR2215			

LEDs

1	4	D1,D2,D3,D4	LED	3 mm Red, Through hole	Any				
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Crystals and Oscillator

1	1	XT1	Quartz Crystal 12MHz	SS4 (HC49/U4H), 11.35mm * 4.65mm	Jauch	Q 12.0-SS4-22-30/30			
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Connectors and Jumpers

1	1	CON1	HEADER 5X2	2.54mm *	Any				
2	2	J1,J2	HEADER 1X16	2.54mm Pitch	Any				Not Mounted
3	1	J3	HEADER 1X4	2.54mm Pitch	Any				
4	8	J4,J11,J12,J13,J14,J15,J16,J17	HEADER 1X3	2.54mm Pitch	Any				
5	2	J5,J6	HEADER 1X8	2.54mm Pitch	Any				Not Mounted

6	9	J8,JP1,JP2,JP3,JP4,JP5,JP6,J9,J10	2 PIN HDR	2.54mm Pitch	Any				
7	1	J7	USB_MINIB	B-TYPE MINI	KYCON Inc.	30TR			

Passive Components

1	4	R1,R2,R3,R4	470	SMD0805	Any				
2	10	R9,R10,R11,R12,R16,R5,R18,R19,R20,R21	10k	SMD0805	Any				
3	2	R13,R14	20	SMD0805	Any				
4	1	R15	1.5k	SMD0805	Any				
5	1	R17	1k	SMD0805	Any				
6	1	R22	4.7k	SMD0805	Any				
7	3	R6,R7,R8	47k	SMD0805	Any				
8	1	(VR1) POT	10k	3/8" Square, Top Adjust, Triangular Pattern pins	Bourns	3386K-1-103			
9	5	C1,C8,C6,C12,C13	100nF	SMD0805	Any				
10	1	C2	4.7uF/25V Tantalum	EIA 3528-21/ Size B	Any				
11	2	C3,C4	22pf or 33pF	SMD0805	Any				
12	3	C7,C9,C10	1uF Tantalum	EIA 3216-18/ Size A	Any				
13	2	C11,C5	2.2uF Tantalum	EIA 3528-21/ Size B	Any				

Switches

1	4	SW1,SW2,SW3,SW4	2 PIN SWITCH	TACT SWITCH	Any				
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End of List