

		Document reference:	PCB reference: STEVAL-PCC017V1			Date: 30/Jul/2013			
		ESICOM entry for STM32 based UniversalUSB to Serial Communication Interface for Motor Control Applications							
		Company: STMicroelectronics							
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier Ordering Code	Quantity
ST Devices	1	U1	STM32F103RBT6	LQFP64	ST	STM32F103RBT6			1
	2	U1	USBLC6-2P6	SOT-666	ST	USBLC6-2P6			1
	3	U3	LD1117D33TR	SO-8	ST	LD1117D33TR			1
NON ST Devices	4	U4,U5,U6,U7,U8,U9,U10,U11,U12,U13,U14,U15	ACPL-072L	SO8	Avago Tech	ACPL-072L	Digikey	516-1732-5-ND	12
	5	U16	ADUM1250SRZ	SO8	Analog Devices	ADUM1250SRZ	Digikey	ADUM1250ARZ-ND	1
Crystal and Oscillator	6	Y1	CRYSTAL 8.000 MHZ SER 49US	11.35 x 4.5 mm crystal	Abracon Corporation	ABLS2-8.000MHZ-D4Y-T	Digikey	535-9864-1-ND	1
Connectors and jumpers	7	J3	CON16A 90 degree	Header 2x5 pin, 2.54mmx2.54mm Pitch	Sullins Connector Solutions	SBH11-PBPC-D05-RA-BK	Digikey	S9177-ND	1
	8	J1	JTAG connector 90 degree	Header 2x10 pin, 2.54mmx2.54mm Pitch	3M	30320-5002HB	Digikey	3M15454-ND	1
	9	J2	Mini USB B-Type	USB Mini B-Type	Hirose Electric Co Ltd	UX60-MB-5ST	Digikey	H2959CT-ND	1
	10	SW1	Push Button Switch	SMD	MULTICOMP	DTSM-32S-B	Newark	96K8956	1
	11	SW2	SPDT Switch		EAO	09.10290.01	Newark	52F519	1
LEDs	12	D1	LED GREEN CLEAR THIN 0805	SMD LED	Lite-On Inc	LTST-C171GKT	Digikey	160-1423-1-ND	1
	13	D2	LED RED CLEAR 0805 SMD	SMD LED	Lite-On Inc	LTST-C170CKT	Digikey	160-1176-1-ND	1
Inductors	14	L1 (Replaced with 0 Ohm)	INDUCTOR MULTILAYER 10UH	SMD Inductor	Any				1
Capacitor	15	C1,C2	22pF	SMD0805	Johanson Dielectrics Inc	500R15N220JV4T	Digikey	709-1172-1-ND	2
	16	C3,C6,C7,C8,C9,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C41,C44,C46	CAP .10UF 50V CERAMIC X7R 0805	SMD0805	Panasonic Electronic Components	ECJ-2FB1H104K	Digikey	PCC2452TR-ND	34
	17	C4,C43	10uF	SMD0805	Panasonic Electronic Components	ECJ-HVB1C106M	Digikey	PCC2417CT-ND	2
	18	C40	10nF	SMD0805	Kemet	C0805C103K1RACT	Digikey	399-1159-1-ND	1
	19	C42	4.7nF	SMD0805	Kemet	C0805C472K5RACTU	Digikey	399-1155-1-ND	2
	20	C10,C11,C12,C13	CAP 1.0UF 50V CERAMIC F 1206	SMD1206	Panasonic Electronic Components	ECJ-3FF1H105Z	Digikey	PCC2234TR-ND	4
	21	C28	4.7uF	SMD1206	Panasonic Electronic Components	ECJ-3YB1E475K	Digikey	PCC2297CT-ND	1
Resistors	22	R1,R2	RES 100K OHM 1/8W 5% 0805	SMD0805	Rohm Semiconductor	MCR10EZHZJ104	Digikey	RHM100KATR-ND	2
	23	R5,R6,R9	RES 0.0 OHM 1/8W 0805 SMD	SMD0805	Stackpole Electronics Inc	RMCF0805ZT0R00	Digikey	RMCF0805ZT0R00TR-ND	3
	24	(R3 ,R4)(DNM)	RES 0.0 OHM 1/8W 0805 SMD	SMD0805	Stackpole Electronics Inc	RMCF0805ZT0R00	Digikey	RMCF0805ZT0R00TR-ND	2
	25	R7,R22	RES 1M OHM 1/8W 5% 0805 SMD	SMD0805	Stackpole Electronics Inc	RMCF0805JT1M00	Digikey	RMCF0805JT1M00TR-ND	2
	26	R8,R11,R12,R13,R14,R16,R17,R18,R19,R20	10k	SMD0805	Panasonic Electronic Components	ERJ-P06J103V	Digikey	P10KADTR-ND	10
	27	R21	RES 1.5K OHM 1/8W 5% 0805	SMD0805	Panasonic Electronic Components	ERJ-6GEYJ152V	Digikey	P1.5KACT-ND	1
	28	R10,R23	360 OHM 1/8W 1% 0805 SMD	SMD0805	Panasonic Electronic Components	ERJ-6ENF3600V	Digikey	P360CTR-ND	2
	29	R15	RES 100 OHM 1/8W 5% 0805 SMD	SMD0805	Panasonic Electronic Components	ERJ-6GEYJ101V	Digikey	P100ATR-ND	1
	30	R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35	RES 47 OHM 1/8W 5% 0805 SMD	SMD0805	Panasonic Electronic Components	ERJ-6GEYJ470V	Digikey	P47ATR-ND	12
31	R36,R37,R38,R39	RES 4.7K OHM 1/8W 5% 0805 SMD	SMD0805	Panasonic Electronic Components	ERJ-6GEYJ472V	Digikey	P4.7KATR-ND	4	

			The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.			

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