

Document reference:		PCB reference:			Date:			
STMPE821 Capacitive Touch Demo tool		Base Board: STEVAL-PCC009V3			22/09/2009			
Company:								
STMicroelectronics								
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Quantity
ST Devices	1	U1	ESDALC6V1M3	SOT883	ST	ESDALC6V1M3	ST	1
	2	U11	LD1117D33TR	SO-8	ST	LD1117D33TR	ST	1
	3	U5,U10	ST2349QTR(Not mounted)	QFN16	ST	ST2349QTR(Not Mounted)	ST	1
	4	U2	STM32F103VBT6	LQFP100	ST	STM32F103VBT6	ST	1
	5	U9	USBLC6-2P6	SOT-666	ST	USBLC6-2P6	ST	1
	6	U3,U4,U6,U7,U8	ESDALC6V1M6	uQFN16	ST	ESDALC6V1M6	ST	5
NON ST Devices								
Crystal and Oscillator	7	Y2	8MHz	11.35 x 4.5 mm crystal	ECS Inc	X1094-ND		1
	8	Y1	32.768Khz	Through Hole	Abracon	AB38T-32.768KHZ		1
Connectors and jumpers	9	J1	SPI_CON10A	Header 2x5 pin, 2.54mmx2.54mm Pitch	Protectron	P9403-10-21	Protectron	1
	10	J2	JTAG_20PIN(not mounted)	Header 2x10 pin, 2.54mmx2.54mm Pitch	Protectron		Protectron	1
	11	J3	USB-B	USB Mini B-Type	Samtec	Any	Samtec	1
	12	J4,J7	30 pin connector	Support	Protectron	P9105-30-21	Protectron	
	13	J5	Powe Selection Jumper	Jumper 1x3 pin, 2.54mm Pitch	Any	Any	Any	1

	14	J6	Mode Selection Jumper	Jumper 1x2 pin, 2.54mm Pitch	Any	Any	Any	
	16	SW2	RESET Switch	Push Button(Not Mounted)	Any	Any	Any	1
<b>LEDs</b>	17	D1	LED	3 mm SMD LED	Lite-On Inc	160-1176-1-ND	Digikey	1
<b>Capacitors</b>	18	C1,C2	10pF	SMD0805	Any	N.A.	Any	2
	19	C3,C11,C12,C13,C14,C15,C16,C	100nF	SMD0805	Any	N.A.	Any	1
	20	C4,C5	22pF	SMD0805	Any	N.A.	Any	2
	21	C6,C7,C17,C18	0.1uF	SMD0805	Any	N.A.	Any	4
	22	C9,C21	10uF	SMD0805	Taieo Yuden	587-1339-2-ND	Digikey	2
	23	C10	10nF	SMD0805	Any	N.A.	Any	1
	24	C20,C23	4.7nF	SMD0805	Any	N.A.	Any	2
	25	C8,C19	1uF	SMD1206	TDK Corporation	445-1383-2-ND	Digikey	2
	26	C24,C28	4.7uF	SMD1206	Any		Any	2
<b>Inductors</b>	27	L1	10 uH	SMD Inductor	TDK Corporation	445-1059-1-ND	Digikey	1
<b>Resistors</b>	28	R1,R7,R20,R23,R24	100k	SMD0805	Yageo	311-100KARTR-ND	Digikey	4
	29	R2,R3,R4,R6,R8,R9	0	SMD0805	Stackpole Electronics	RMCF1/100RTR-ND	Digikey	2
	30	R5,R19	1M	SMD0805	Stackpole Electronics	RMCF1/101MJRTR ND	Digikey	1
	31	R10,R14,R15,R16,R17	10k	SMD0805	Rohm Semiconductors	RHM10.0KCCTND	Digikey	1
	32	R18	1k5	SMD0805	Stackpole Electronics	RMCF1/101.5KJRT RND	Digikey	1
	33	R21	(DNM)	SMD0805	Any	N.A.	Digikey	1
	34	R22, R25	500	SMD0805	Any	N.A.	Digikey	2
	35	RN1,RN2,	0 ohm resistor array (4 resistor)	1608 matrix	Panasonic-ECG	Y9000CT-ND	Digikey	2
	36	RN3,RN5,	4.7 k resistor array (Not Mounted)	1608 matrix	Any	N.A.	Digikey	2
	37	RN7	10k reistor array (4 resistor)	1608 matrix	Panasonic-ECG	Y9103CT-ND	Digikey	1
	38	RN4,RN6	4.7k reistor array (4 resistor)	1608 matrix	Yageo	YC164J-4.7KCT-ND	Digikey	2