

		Document reference: STMPE321 Capacitive Touch Demo tool		PCB reference: STEVAL-ICB007V1				
		Company: STMicroelectronics						
Category	S. No.	Reference	Component Description	Package	Manufacturer	Manufacturer's	Supplier	Qty
ST Devices	1	U1	STMPE321	QFN12	ST	STMPE321QTR	ST	1
	2	U2	LD2985BM18R	SOT23-5L	ST	LD2985BM18R	ST	1
Connectors and jumpers	3	CN1	HEADER 5X2 (Interface connector)	Double row 10 pin	Protectron	P9105-10-121	Protectron	1
	4	CN2,CN3	CON30 (Support Connectors)	Double Row 30 pin	Protectron	P9403-30-21	Protectron	2
LEDs	5	D1,D2,D3,D4	LED	805	Lite-On Inc	160-1176-1-ND	Digikey	4
Capacitors	6	C1, C2	22pF DNM	SMD0805	Any	Any	Any	2
	7	C3,C4,C5	5pF DNM	805	Any	Any	Any	3
	8	C6	10uF	1206		1213794	Farnell	1
	9	C7	1uf	1206	Phillips	445-1383-2-ND	Digikey	1
	10	C8	100nF	805	Any	Any	Any	1
	11	C9	100nF	805	Phillips	PCC2452TR-ND	Digikey	2
	12	C10	10nF	SMD0805	Any	Any	Any	1
	13	CREF	5pF	805	Any	Any	Any	1
Resistors	14	R1, R5	4.7K	805	Panasonic-ECG	P4.7KACT-ND	Digikey	2
	15	R2, R3, R7, R11, R12	10k	805	Rohm Semiconductor	RHM10.0KCCTND	Digikey	5
	16	R4, R8, R9, R10	220	805	Any	1646159	Farnell	4
	17	R6	1K	805	Any	Any	Any	1
	18	R13	0 DNM	SMD0805	Stackpole Electronics	RMCF1/100RTR-ND	Digikey	1
MISC	19	Button A, Button B, Button C	CON1 (touch pads)	N.A.	N.A.	N.A.	N.A.	N.A.