

Document reference:		PCB reference:							
UM0468/ STMPE1601 Demo Board User Manual		STEVAL-TCS004V1							
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	LD1117S30TR	SOT-223	ST	LD1117S30TR			1
	2	U2	LD1117S18TR	SOT-223	ST	LD1117S18TR			1
	3	U3,U6,U7	ST2378ETTR	TSSOP20	ST	ST2378ETTR			3
	4	U4	ST72F63BK6M1	SO-34	ST	ST72F63BK6M1			1
	5	U5	USBLC6-2SC6	SOT-23-6L	ST	USBLC6-2SC6			1
	6	U9	STMPE1601	µTFBGA25	ST	STMPE1601TBR			1
	7	Q1,Q3	2STR1215	SOT-23	ST	2STR1215			2
	8	Q2	STN4NF03L	SOT-223	ST	STN4NF03L			1
Other Devices									
Crystal and Oscillator	9	Y1	Crystal 12MHz	11.35 x 4.5 mm crystal	Any				1
	10	Y2	Crystal 32.768kHz	8x3 mm crystal	Any				1
Connectors and jumpers	11	SF1,DK1,1,SF2,DK2,2,DK3(NM),3,DK4(NM),4,5,6,7,8,9,0,*,#	PUSH BUTTON	Push Button	Any				18
	12	CON1	HEADER 5X2	IDC-10B	Any				1
	13	CON2	ROTATOR	SIP3	Any				1
	14	EXTERNAL I2C HOST1	CON8 BERG 2WAY	2 x SIP4	Any				1
	15	J1	Jumper 2pin , 2.54mm Pitch	SIP2	Any				1
	16	J2	Jumper 2pin , 2.54mm Pitch	2 x SIP4	Any				1
	17	J3,J4,J5,J6	Berg Stick	Header 9pin , 2.54mm Pitch	Any				4
	18	LCD CON1	Berg Stick double line	Header 2x9pin, 2.54mmx2.54mm Pitch	Any				1
	19	S1	RESET	Push Button	Any				1
	20	USB CONN1	USB-B	USB Mini B-Type	Any				1

LEDs	21	D1	LED	3 mm through hole	Any					1
Capacitors	22	C3,C13,C20	Tantalum Cap 1uF/ 10 V	SMD Size A	Any					3
	23	C5,C7	Tantalum Cap 10uF/ 10 V	SMD Size B	Any					2
	24	C1,C2,C4,C6,C8,C12,C14,C16, C19,C21(NM),C22(NM),C23,C24, C25,C26, C27,C28	100nF	SMD0805	Any					17
	25	C9,C10	33pF	SMD0805	Any					2
	26	C11,C18	15pF	SMD0805	Any					2
	27	C15	10nF	SMD0805	Any					1
	28	C17	4.7nF	SMD0805	Any					1
	29	C29,C30	22pF	SMD0805	Any					2
Inductors										
Resistors	30	R1,R10,R14,R15	100	SMD0805	Any					4
	31	R2,R4	4k7	SMD0805	Any					2
	32	R3	1k	SMD0805						1
	33	R5	220	SMD0805						1
	34	R6	18k	SMD0805						1
	35	R7	5k	SMD0805						1
	36	R8,R11	22	SMD0805						2
	37	R9,R16	10k	SMD0805						2
	38	R12	1M	SMD0805						1
	39	R13	1k5	SMD0805						1
	40	R17	2k	SMD0805						1
	41	R18,R19	2k2	SMD0805						2
	42	R20	5k1	SMD0805						1
	43	R21	100k	SMD0805						1
Misc Components	44	LS1	BUZZER	AXIAL	Any					1
	45	Mounted on LCD con1	64X128MONO BERG 2 WAY	Mono Chrome LCD	Displaytech Ltd	64128E Series	SM Electronic Technologies P. Ltd.	64128E FC BW-3LP		1