

<b>Document / Project reference: Esicom Entry of Daughter Cards for M41T82-M41T83 RTC with analog calibration</b>			<b>PCB reference: STEVAL-IFR002V1</b>			<b>Date:</b>	<b>10/5/2010</b>		
<b>Company: STMicroelectronics</b>									
<b>Category</b>	<b>S. No.</b>	<b>Reference Designator</b>	<b>Component Description</b>	<b>Package</b>	<b>Manufacturer</b>	<b>Manufacturer's ordering code / Orderable Part Number</b>	<b>Supplier</b>	<b>Supplier Ordering Code</b>	<b>Quantity</b>
<b>ST Devices</b>									
	1	U1	TS431BILT/Shunt Reference	SOT-23	ST	TS431BILT			1
	2	U2	M41T83/RTC	QFN16	ST	M41T83SQA6F			1
	3	U3	STTS75/Temperature Sensor	TSSOP8	ST	STTS75DS2F			1
	4	U4	STM32F103C8T6	LQFP48	ST	STM32F103C8T6			1
	5	D2	BAT54J/Diode	SOD-323	ST	BAT54JFILM			1
<b>Crystal and Oscillator</b>									
	6	Y1	TCXO 12 Mhz/3.3V	SMD	Fox Electronics	FOX924B-12	Digikey	631-1068-1-ND	1
	7	Y2	32.768kHz Crystal	Through Hole	Vishay	XT26TTA32K768	Mouser	73-XT26T	1
<b>Connectors and jumpers</b>									
	8	J1,J2	Daughter Card connector	Through Hole	Sametec	SFC-110-T1-L	Integrated Electronics	SFC-110-T1-L	2
	9	J3,J4	Bergstrip	13 x 1 Bergstrip	Any		Samtec	TSW-150-32-G-S	13
<b>LEDs</b>									
	10	D1	RED LED	LED-3mm	Everlight	EL-204HT	Mouser	638-204HT	1
<b>Capacitors</b>									
	11	C1,C3,C4,C5,C6,C7,C8,C9	100nF	SMD0805	Panasonic - ECG	ECJ-2VB1E104K or equivalent	Digikey	PCC1828 CT-ND	8
	12	C2	10pF	SMD0805	Panasonic - ECG	ECJ-2VC1H100D	Digikey	PCC100C NTR-ND	1
	13	C10	0.22F/Super Capacitor	Stacked Coin	Cornell Dubilier	EDLSD224H5R5C	Mouser	598-EDLSD224H5R5C	1

Resistors									
	14	R1	330	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ331V	Digikey	P330ATR-ND	1
	15	R2	22	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ220V	Digikey	P22ACT-ND	1
	16	R3,R5,R6,R7,R8,R9,R10, R11,R12,R13	10k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ103V	Digikey	P10KACT-ND	10
	17	R4	16k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ163V	Digikey	P16KACT-ND	1
	18	R15	470	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ471V	Digikey	P470ATR-ND	1
	19	R14,R16	0	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND	2