

Document ST7 Embedded Web Server	PCB reference: STEVAL-CDE001V1	Date: 16th-Nov-2007
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Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code	Comment
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Devices

1	1	U1	Microcontroller	LQFP80 14x14	ST	ST72F321M9T6			
2	1	U4	SPI EEPROM	SO-8	ST	M95010-WMN6TP/W			Not mounted
3	1	U6	RS232 Transceiver	SO-16	ST	ST232ABDR			
4	1	U7	Charge Pump	SO-8	ST	ST662ABD-TR			Not mounted
5	1	U8	Temperature sensor	TO92	ST	LM235Z			LM135Z can also be used.
6	1	U9	Serial Flash	VFQFPN8	ST	M45PE80-VMP6TG			
7	1	U10	Level Translator	TSSOP20	ST	ST2378ETTR			
8	1	U11	Reset Supervisor	SOT23-3	ST	STM1001TWX6F			
9	1	U12	Voltage Regulator	SO-8	ST	KF33BD-TR			
10	1	Q1	PNP Power Transistor	SOT-23	ST	2STR2215			Not mounted
11	1	U3	Ethernet controller	PQFP-100	Realtek	RTL8019AS			

Crystals and Oscillator

1	1	Y1	Q16.0-SS4-30-30/30	SS4 (HC49/U4H) 11.35mmx4.35mm	Jauch	Q16.0-SS4-30-30/30			
2	1	U2	Q20.0-SS4-30-30/30	SS4 (HC49/U4H) 11.35mmx4.35mm	Jauch	Q20.0-SS4-30-30/30			Additionally user have the provision of JCO08,JCO14 Oscillators

Connectors and Jumpers

1	1	CONN2(ETHERNET)	RJ45 With Magnetics and G/YLED		TYCO Electronics	5-6605758-4	RS Components	6154412	
2	1	CONN1	WRAP CONN						
3	5	SW3,SW4,SW5,SW6,SW2	Push Button Switch	(6mm X 6mm) push button	Any				
4	2	TP2,TP1	TEST POINT	Berg-Stick Pin	Any				
5	1	SW7	Switch	DIP-8	Any	Not Mounted			
6	17	J1,J8,J11,J12,J23,J4,J5,J7,J13,J14,J15,J17,J18,J21,J23,J37,J31	HEADER 1x2	Jumper 2 pin, 2.54mm pitch	Any				
7	7	J2,J3,J10,J24,J26,J25,J27	HEADER 1x3	Jumper 3 pin, 2.54mm pitch	Any				
8	1	J29	ICC HEADER	Header 2x5pin, 2.54mmx2.54mm Pitch	Any				
9	1	J22	POWER JACK 2.5MM	POWER JACK-14.17 * 8.96 mm	CUI	PJ-102B			

10	2	J28,J30	Header 2x25pin	Header 2x25pin, 2.54mmx2.54mm Pitch	Any				
11	2	J19,J20	HEADER 1x4	Jumper 4 pin, 2.54mm pitch	Any				
12	1	J16	CON14AP	Header 2x7pin, 2.54mmx2.54mm Pitch	Any				
13	1	16*2 LCA1	16 CHAR x 2ROW 5x8 DRIVING MODE 1/16D CHAR LCD					JHD162A	
14	1	VB1	ER - connector,d-sub,pcb right angle plug,4-40 w/screwlock,0.318 footprint,9 pin cont		Any				Not mounted

Passive Components (Capacitors)

1	1	C1	10uF/25V Tantalum/Electrolytic	EIA 3528-21/ Size B	Any				Mount when using RJ45 without internal Capacitor on Pin8 for example 1-6605758-1 else replace with 0R
2	1	C39	4.7uF/25V Tantalum/Electrolytic	EIA 3528-21/ Size B	Any				
3	2	C29,C30	4.7uF/16V Tantalum/Electrolytic	EIA 3528-21/ Size B	Any			Not mounted	
4	30	C2,C3,C4,C5,C6,C9,C10,C11,C12,C 13, C14,C15,C16,C19,C21,C22,C23, C24,C25,C31,C32,C33,C38,C91,C28 ,C35,C37,C40,C41,C42	100nF	SMD0805	Any				
5	4	C7,C8,C17,C18	33pF	SMD0805	Any				
6	2	C26,C27	220nF	SMD0805	Any				
7	1	C34	10nF	SMD0805	Any				
8	1	C36	2.2uF	SMD0805	Any				
9	1	C88	1nF/ 0 Ohm	SMD0805	Any				Mount 0-Ohm resistance in place of this Capacitor for Ethernet connector with inbuilt Capacitor. For example 5- 6605758-4
10	2	C90,C95	10pF	SMD0805	Any			Not mounted	

Passive Components (Resistors)

1	8	R2, R3, R4,R35,R37,R42,R44,R45	470	SMD0805	Any				
2	28	R6,R7,R10,R11,R12,R13,R21,R22,R 24,R26,R27,R28,R29,R34,R38,R39, R40,R41	10k	SMD0805	Any				
3	1	R17	500	SMD0805	Any				
4	2	R25	5.1k	SMD0805	Any				
5	1	R84	200	SMD0805	Any				
6	1	R15,R16,R18,R19	33	SMD0805	Any				

7	2	R20	2.2k	SMD0805	Any				
8	3	R31	220	SMD0805	Any				
9	6	R32,R33	4.7k	SMD0805	Any				
10	5	R36	1M	SMD0805	Any				
11	5	R83,R75,R52,R76,R49,R53		SMD0805	Any	Not mounted			
12	1	R82		0 SMD0805	Any				
13		R1,R5,R8,R30,R46	10k	2.54mm 10 Pin Resistor Pack	Any				
14	4	R14,R23,R43,R47	20k POT	3296W Top Adjust	BOURNS				

Diode

1	8	D1,D2,D3,D5,D6,D7,D8,D9	LEDs	3mm LED	Any				
2	1	D4	6.2 V Zener Diode		Any				

Other Information

1	4	MHOLE32,MHOLE33,MHOLE34,MHOLE35	Mounting Holes	2.5mm hole					
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