

		Document reference: STM32 Advanced NAND Flash Driver for SLC NAND		PCB reference: STVAL-CCM007V2		Date:	7th-May-2013		
Company: STMicroelectronics									
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity
ST Devices	1	U1	STM32 Microcontroller	LQFP144	ST	STM32F205ZET6/ STM32F405ZGT6			1
	2	U4	Very low capacitance ESD protection	SOT666	ST	USBLC6-2P6			1
	3	U5	Adjustable and fixed low drop positive voltage regulator	SO-8	ST	LD1117D33TR			1
	4	U7	S-Touch® advanced resistive touchscreen controller with 8-bit GPIO expander	QFN16	ST	STMPE811QTR			1
	5	D4,D5	Low drop Power Schottky Rectifier	SMB	ST	STPS1L30U			2
Capacitors	1	C1,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C20,C21,C24,C25,C35,C38,C39,C47,C27,C28,C29,C30,C42,C43	100nF	SMD 0805	Any				29
	2	C2,C3	20pF	SMD 0805	Any				2
	3	C4,C5	2.2uF	SMD 0805	Any				2
	4	C22,C26,C40,C48	10uF	SMD 1206	Any				4
	5	C23	4.7nF	SMD 0805	Any				1
	6	C31,C32,C33,C34	2pF	SMD 0805	Any				4
	7	C36,C44,C46	4.7uF	SMD 1206	Any				3
	8	C37	1uF	SMD 0805	Any				1
	9	C41,C45	33pF	SMD 0805	Any				2

<b>LEDs</b>	1	D2	LED GREEN	SMD 0805	Any				1
	2	D3,D6,D7	LED GREEN	SMD 0805	Any				3
<b>Resistors</b>	1	R3,R9,R26,R30,R55,R56	0 Ohm	SMD 0805	Any				6
	2	R1,R8,R11	0 Ohm	SMD 0805	Any				0
	3	R25,R27	0 Ohm	SMD 0805	Any				0
	4	R2,R4,R10,R15,R16,R17,R18,R19,R20,R21,R22,R24,R33,R35,R37,R38,R39,R41,R42,R43,R54	10k	SMD 0805	Any				21
	5	R5,R6,R12,R13,R40,R44,R45	1k	SMD 0805	Any				7
	6	R7	390	SMD 0805	Any				1
	7	R14	1.5k	SMD 0805	Any				1
	8	R23,R36,R52,R57	0 Ohm	SMD 0805	Any				4
	9	R28,R29	22 Ohm	SMD 0805	Any				2
	10	R31,R50	1M	SMD 0805	Any				2
	11	R32,R34,R51,R53	22	SMD 0805	Any				4
	12	R46	12K	SMD 0805	Any				1
	13	R47	820	SMD 0805	Any				1
	14	R48,R49	4.7K	SMD 0805	Any				2
<b>Crystals &amp; Oscillators</b>	1	Y1	CRYSTAL 25.00000 MHZ	SMD HC49/US	ECS Inc	ECS-250-20-3X-TR	Digikey	XC1781CT-ND	1
	2	Y2	CRYSTAL 24.000MHZ	SMD(6.00mm x 3.50mm)	ECS Inc	ECS-240-20-23A-EN-TR	Digikey	XC990TR-ND	1
<b>Connectors, Jumpers</b>	1	J1,J2	CON3	3 Pin Header,2.5mm Pitch, Through Hole	Any				2
	2	J3	CON20	2x10 Pin Header,2.5mm Pitch, Through Hole	Any				1
	3	J4	USB MINI-B connector	SMD			Mouser	649-10033526N 3212MLF	1

	4	J5	JTAG CONN	Box Header, Straight 20way, 2x10pin, 2.54mmx2.54mm Pitch, Through Hole	MULTICOMP	MC9A22-2034	Element14	1099248	1
	5	J6	CONNECTOR20x2	SMD	Samtec	SSW-120-22-F-D-VS			1
	6	J7	USB Micro-B connector	SMD	Molex	47589-0001	Mouser	538-47589-0001	1
<b>Misc</b>	1	U2	NAND FLASH Memory	TSOP48	Micron Technology Inc	MT29F1G08ABADA WP:D TR/ NAND512W3A	Digikey	557-1484-1-ND	1
	2	U6	High Speed USB Host,Device or OTG PHY with ULPI Low Pin Interface	QFN	SMSC	USB3300-EZK	Mouser	886-USB3300-EZK	1
	3	U3	NAND Flash Socket	TSOP48	Yamaichi Electronics	IC191-0482-004	Mouser	945-IC191-0482-004	0
	4	L1,L2	BEAD		Any				2
	5	SW1	PUSH BUTTON	SPNO, SMD. 6mmx3.5mm	MULTICOMP	DTSM-32S-B	Element14	9471898	1
	6	(See Notes)	TFT (MB785 : AM- 240320D4TOQW)	TFT Daughterboard					1
	<b>Notes</b>								
	1	U1 : Respective STM32 Microcontroller will be mounted on the board (as per following details )							
		STM32F205ZET6: STEVAL-CCM007V1, STEVAL-CCM007V2							
		STM32F405ZGT6: STEVAL-CCM008V1, STEVAL-CCM008V2							
	2	U3 is Not mounted in any of the Boards							
	3	TFT : The TFT is Not mounted on STEVAL-CCM007V1, STEVAL-CCM008V1 TFT is mounted on STEVAL-CCM007V2, STEVAL-CCM008V2							
	4	Do Not Mount : R1,R8,R11,R25 & R27							
<b>End of File</b>									