

Slim SD HxC Floppy Emulator Part lists

Schematic Ref	Value	Footprint	Ref	Manufacturer	Version	Version	Version	Version	Remarks
					FULL	Slim/Flex Only	HE10-34 Only	Lowcost	
CON1	CON34A	HDR2x17		WURTH ELEKTRONIK 61303421021	X		X		
C1	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C2	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C3	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C4	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C6	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X		
C7	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X		
C8	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C9	100nF	SM/C_0805		CMS 0805 Ceramic Capacitor 100nF	X	X	X	X	
C5	47uF 10V	SM/CT_7343_12		RUBYCON 10SWZ47MR25	X	X	X		
C10	10uF	SM/CT_3528_12		AVX TAJB106K010RNJ	X	X	X	X	
C11	10uF	SM/CT_3528_12		AVX TAJB106K010RNJ	X	X	X	X	
D1	LED	DIO-KPA-3010		KINGBRIGHT KPA-3010SYCK	X	X	X	X	
D2	SMA6J5.0A	SM/D_1406_12		ST SMA6J5.0A-TR	X	X	X	X	
D3	ESDA	SOT-23-6N		Littelfuse SP0505BAHTG	X	X	X		
D5	ESDA	SOT-23-6N		Littelfuse SP0505BAHTG	X	X	X	X	
D4	BAS16/SOT	SOT-23N		NXP BAS16,215	X	X	X		
D6	ESD	SOT-23N		NXP PESD5V0U2BT	X	X	X		
F1	FUSE MF-USMF075	SM/R_1210		Bourns MF-USMF075	X	X	X	X	
J1	CONN PCB 5	HDR2x3		TE CONNECTIVITY / AMP 826629-5					Bootloader Prog only
J2	4 HEADER	BLKCON.100/RH/TM1SQS/W.350/4		TYCO/ AMP / TE Connectivity 171826-4	X		X		Useless in flex only version : Board powered from the flex.
J3	CONN5	HDR1x5		TE CONNECTIVITY / AMP 826629-5					For futur use
J4	CONN FLEX 26/SM	MOLEX_52207-2685		Molex 52207-2685	X	X		X	Important : 1mm / top side contact. Example :MOLEX_52207-2685
L1	BEAD		805	MURATA BLM21AG102SN1D	X	X	X	X	
P1	BUZZER	BUZZER		Bestar SMT1212-05H6.5F LF	X	X	X		
Q1	BC817-16L	SOT-23N		On Semi BC817-16LT1G	X	X	X		
R1	10	SM/R_0805		CMS 0805 Resistor 10 Ohms	X	X	X	X	
R2	10	SM/R_0805		CMS 0805 Resistor 10 Ohms	X	X	X	X	
R6	10	SM/R_0805		CMS 0805 Resistor 10 Ohms	X	X	X	X	
R17	10	SM/R_0805		CMS 0805 Resistor 10 Ohms	X	X	X		
R3	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R4	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms					
R8	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms					
R9	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms					
R11	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R12	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R13	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R18	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R19	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R20	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R21	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R22	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R23	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X		
R24	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X		
R26	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R27	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X		
R28	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R29	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R30	1K	SM/R_0805		CMS 0805 Resistor 1K Ohms	X	X	X	X	
R5	2.2K	SM/R_0805		CMS 0805 Resistor 2K2 Ohms	X	X	X	X	
R7	2.2K	SM/R_0805		CMS 0805 Resistor 2K2 Ohms	X	X	X	X	
R10	220	SM/R_0805		CMS 0805 Resistor 220 Ohms	X	X	X	X	
R25	220	SM/R_0805		CMS 0805 Resistor 220 Ohms	X	X	X	X	
R31	220	SM/R_0805		CMS 0805 Resistor 220 Ohms	X	X	X	X	
R14	10K	SM/R_0805		CMS 0805 Resistor 10K Ohms	X	X	X	X	
R15	10K	SM/R_0805		CMS 0805 Resistor 10K Ohms	X	X	X	X	
R16	10K	SM/R_0805		CMS 0805 Resistor 10K Ohms	X	X	X	X	
R33	360	SM/R_0805		CMS 0805 Resistor 360 Ohms	X	X	X	X	
R32	4.7K	SM/R_0805		CMS 0805 Resistor 4K7 Ohms	X	X	X	X	
R34	0R	SM/R_0805		CMS 0805 Resistor 0 Ohms		X		X	
SW1	SW PUSHBUTTON-SPST-2	SWITCH		MULTICOMP MCDTSA6-5K	X	X	X		
SW2	SW DIP-8	RMR-08		MULTICOMP MCDM(R)-08-T	X		X		
U1	PIC18F46K22	TQFP44		MICROCHIP PIC18F46K22-I/PT	X	X	X	X	
	Online PIC MCU Programming			Contact hxc2001.com	X	X	X	X	Online PIC Programming / Activation available. Please contact us at hxc2001 (at) hxc2001.com
U2	74LS38	SO14		Texas Instrument SN74LS38D	X	X	X	X	
U3	23LC512	SO8		MICROCHIP 23LC512-I/SN	X	X	X	X	
U4	74LCX125/SO	SO14		Fairchild 74LCX125M	X	X	X	X	
U5	SDCARD	SDCARD		Hirose DM1AA-SF-PEJ	X	X	X	X	
U6	LT1117/SOT	SM/SOT223_1234		Linear LT1117CST#PBF	X	X	X	X	You can use the 3.3V fixed LDO (LT1117CST-3.3#PBF). In this case remove R31 and set R33 to 0 ohms.