

SPC58B-DIS - FULL BOM - Ver 1.10

Q.ty	Designator	Comment	Assembly Option	Description	Footprint	Manufacturer	Manufacturer P/N
2	C1, C2, C123, C124	18p		C0G Ceramic Multilayer Capacitor	0603C	TDK	C1608C0G1H180J080AA
7	C3, C7, C14, C23, C26, C29, C32	1uF		0603 1uF 16volts X5R 10%	0603C	TDK	C1608X5R1C105K080AA
2	C4, C5	10uF		Multilayer Ceramic Capacitor 0805	0805	TDK	C2012X5R1C106K085AC
26	C6, C8, C13, C16, C19, C22, C25, C28, C31, C45, C46, C105, C106, C107, C108, C110, C111, C112, C113, C114, C115, C116, C118, C120, C122, C125	100nF		Capacitor X7R - 0603	0603C	Any	
5	C9, C33, C36, C39, C42	1nF		0603 1nF 100volts X7R 10%	0603C	TDK	C1608X7R2A102K080AA
15	C10, C12, C15, C18, C21, C24, C27, C30, C34, C37, C40, C43, C47, C48, C104	10nF		Capacitor X7R - 0603	0603C	Any	
2	C11, C51	1uF	Not Mounted	0603 1uF 16volts X5R 10%	0603C	TDK	C1608X5R1C105K080AA
2	C17, C20	470nF		Capacitor 470nF X7R - 0603	0603C	Any	
4	C35, C38, C41, C44	47nF		0603 47nF 25volts X7R 10%	0603C	TDK	C1608X7R1E473M
1	C49	1nF	Not Mounted	0603 1nF 100volts X7R 10%	0603C	TDK	C1608X7R2A102K080AA
1	C50	10nF	Not Mounted	Capacitor X7R - 0603	0603C	Any	
4	C109, C117, C119, C121	4u7		Capacitor X7R - 0805	0805C	TDK	
1	CN1	Header 7X2	Not Mounted	Header, 7-Pin, Dual row (6+2.5+10mm)	HDR2X7	SAMTEC	MTSW-107-09-G-D-235
1	CN2	Header 4 pins	Not Mounted	Header, 4-Pin	HDR1X4	Any	
1	CN5	Header 10X1_Female		Header, 10-Pin, Single row,female	1*10P_FEMALE	Samtec	SSW-110-01-S-S
2	CN6, CN9	Header 8X1_Female		Header, 8-Pin, Single row,female	1*8P_FEMALE	Samtec	SSW-108-01-S-S
1	CN7	Header 11X2		Header, 11-Pin, Dual row (6+2.5+10mm)	HDR2X11	SAMTEC	MTSW-111-09-G-D-235
1	CN8	Header 6X1_Female		Header, 6-Pin, Single row,female	1*6P_FEMALE	Samtec	SSW-106-01-S-S
1	CN10	Header 19X2		Header, 19-Pin, Dual row (6+2.5+10mm)	2*19P	SAMTEC	MTSW-119-09-G-D-235
4	D101, D102, LD2, LD4	Red		LED Red	0603D_R	Kingbright	KP-1608SRC-PRV
3	D103, LD1, LD5	Green		LED Green	0603D_G	Kingbright	KP-1608SGC
1	JP1	Header 2x1	Not Mounted	Header, 2-Pin, Single row	SIP2/2.54 - DNM	Any	
2	JP3, JP4	Header 3x1		Header, 3-Pin, Single row	SIP3	Any	
2	JP-B3, JP-B4	BLACK BRIDGE		2.54mm BLACK BRIDGE - CLOSE pin 1 and 2			
2	JP5, JP6	Header 1X2		Header, 2-Pin, Single row (6+2.5+10mm)	SIP2/2.54	SAMTEC	MTSW-101-09-G-D-235
4	L101, L102, L103, L104	Ferrite Bead		Ferrite Bead 0603 60Ohm 500mA	RES 0603	Würth Elektronik	74279267
1	LD3	Yellow		LED Yellow	0603D_Y	Kingbright	KP-1608SYC
1	P102	USB_Port_B		USB-MINI_B	USB MINI B 67503-1020		67503-1020
2	R4, R5	10k	Not Mounted	Resistor 0603	RES 0603	Any	
3	R1, R2, R6	10k		Resistor 0603	RES 0603	Any	
3	R3, R14, R15	0R		Resistor 0603	RES 0603	Any	
2	R7, R8	1k		Resistor 0603	RES 0603	Any	
2	R9, R116	2k2		Resistor 0603	RES 0603	Any	
5	R10, R11, R106, R107, R110	470		Resistor 0603	RES 0603	Any	
1	R12	270		Resistor 0603	RES 0603	Any	
1	R13	47k		Resistor 0603	RES 0603	Any	
3	R101, R111, R112	0R	Not Mounted	Resistor 0603	RES 0603	Any	
1	R102	12k		Resistor 0603	RES 0603	Any	
2	R103, R104	10R		Resistor 0603	RES 0603	Any	
5	R105, R113, R114, R115, R117	4k7		Resistor 0603	RES 0603	Any	
1	R109	15k		Resistor 0603	RES 0603	Any	
8	SB1, SB3, SB27, SB28, SB29, SB30, SB33, SB34	Open	Not Mounted	Circuit Breaker 0603 - NOT MOUNTED	JP2_SMD		
26	SB2, SB4, SB5, SB6, SB7, SB8, SB9, SB10, SB11, SB12, SB13, SB14, SB15, SB16, SB17, SB18, SB19, SB20, SB21, SB22, SB23, SB24, SB25, SB26, SB31, SB32	Closed		Circuit Breaker 0603 - MOUNT 0R 0603	JP2_SMD - CLOSED		
1	SW1	Reset		Pulsante generico	TL3301-G	E-SWITCH	TL-3301SPF160QG
1	SW-C1	BLACK BUTTON CAP		Pushbutton Cap Round Black		E-SWITCH	1RBLK
1	SW2	User Button		Pulsante generico	TL3301-G	E-SWITCH	TL-3301SPF160QG
1	SW-C2	RED BUTTON CAP		Pushbutton Cap Round Red		E-SWITCH	1RRED
1	TP1	VDD_HV_FL A	Not Mounted	Test Point	TPOINTSMD		
1	TP2	VDD_HV_OSC	Not Mounted	Test Point	TPOINTSMD		
1	TP3	TestMode	Not Mounted	Test Point	TPOINTSMD		
1	TP4	VDD_HV_ADV	Not Mounted	Test Point	TPOINTSMD		
1	TP5	VDD_HV_IO_MAIN	Not Mounted	Test Point	TPOINTSMD		
1	TP6	VDD_LV	Not Mounted	Test Point	TPOINTSMD		
1	TP7	VDD_HV_FLEX	Not Mounted	Test Point	TPOINTSMD		
1	TP100	+3.3V (LVDD)	Not Mounted	Test Point	TPOINTSMD		
1	TP101	ADBUS5	Not Mounted	Test Point	TPOINTSMD		
1	U1	SPC582Bx_Chorus_64		Chorus Microcontroller SPC582Bxxx	TQFP64-10X10X1.2_P0.5	STMicroelectronics	Chorus SPC582B2
1	U2	LD1117S50TR		Low drop positive voltage regulator	SOT-223	STMicroelectronics	LD1117S50TR
1	U3	LD39050PU33R		Linear regulator 3V3	DFN6(3X3)	STMicroelectronics	LD39050PU33R
1	U4	STM6315RDW13F		Open Drain Microprocessor Reset	SOT-143	STMicroelectronics	STM6315RDW13F
3	U101, U102, U103	SN74LVC2T45DCTR		Dual-Bit Dual-Supply Bus Transceiver	SSOP-8	TI	SN74LVC2T45DCTR

2	U104, U107	SN74LVC1T45DCK		Single-Bit Dual-Supply Bus Transceiver	SC-70	TI	SN74LVC1T45DCK
1	U106	FTDI2232		FTDI 2232HL	LQFP64	FTDI	FT2232HL
1	U108	M93S46XS		1K (x16) Serial Microwire Bus EEPROM	SO-8	STMicroelectronics	M93S46-WMN6TP/S
1	U109	LD1117S33TR		Low drop positive voltage regulator	SOT-223	STMicroelectronics	LD1117S33TR
1	U110	USBLC6-2P6		VERY LOW CAPACITANCE ESD PROTECTION	SOT666	STMicroelectronics	USBLC6-2P6
1	X1	12MHZ		Crystal Oscillator	XTAL-SMD-4-7B	TXC Corporation	7B-12.000MAAJ-T
1	X2	40MHz		Crystal	XTAL1	TXC Corporation	9B-40.000MAAJ-B