

Quantity	Designator	Comment	Assembly Option	Description	Footprint	Manufacturer	Manufacturer P/N
2	C1, C2	18p		COG Ceramic Multilayer Capacitor	0603C	TDK	C1608C0G1H180J080AA
8	C3, C7, C14, C23, C26, C29, C32, C51	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	100nF		Capacitor X7R - 0603	0603C	Any	
6	C9, C33, C36, C39, C42, C49	1nF		0603 1nF 100volts X7R 10%	0603C	TDK	C1608X7R2A102K080AA
16	C10, C12, C15, C18, C21, C24, C27, C30, C34, C37, C40, C43, C47, C48, C50, C104	10nF		Capacitor X7R - 0603	0603C	Any	
1	C11	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
4	C109, C117, C119, C121	4u7		Capacitor X7R - 0805	0805C	TDK	
2	C123, C124	18p		COG Ceramic Multilayer Capacitor	0603C	TDK	C1608C0G1H180J080AA
1	CN1	Header 7x2	Not Mounted	Header, 7-Pin, Dual row (6+2.5+10mm)	HDR2X7	SAMTEC	MTSW-107-09-G-D-235 - NOT MOUNTED
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	JP5, JP6	Header 1X2		Header, 2-Pin, Single row (6+2.5+10mm)	SIP2/2.54	SAMTEC	MTSW-101-09-G-D-235
2	JP-B3, JP-B4	BLACK BRIDGE		2.54mm BLACK BRIDGE - CLOSE pin 1 and 2			
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	CONN USB MINI B 67503-1020		67503-1020
1	R1	10k		Resistor 0603	RES 0603	Any	
2	R2, R6	10k		Resistor 0603	RES 0603	Any	
3	R3, R14, R15	0R		Resistor 0603	RES 0603	Any	
2	R4, R5	10k	Not Mounted	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	
6	SB1, SB3, SB27, SB29, SB33, SB34	Open	Not Mounted	Circuit Breaker 0603 - NOT MOUNTED	JP2_SMD		
28	SB2, SB4, SB5, SB6, SB7, SB8, SB9, SB10, SB11, SB12, SB13, SB14, SB15, SB16, SB17, SB18	Closed		Circuit Breaker 0603 MOUNT 0R 0603	JP2_SMD - CLOSED		
1	SW1	Reset		Pulsante generico	TL3301-G	E-SWITCH	TL-3301SPF160QG
1	SW2	User Button		Pulsante generico	TL3301-G	E-SWITCH	TL-3301SPF160QG
1	SW-C1	BLACK BUTTON CAP		Pushbutton Cap Round Black		E-SWITCH	1RBLK
1	SW-C2	RED BUTTON CAP		Pushbutton Cap Round Red		E-SWITCH	1RRED
1	TP1	VDD_HV_FL A		Test Point	TPOINTSMD		
1	TP2	VDD_HV_OSC		Test Point	TPOINTSMD		
1	TP3	TestMode		Test Point	TPOINTSMD		
1	TP4	VDD_HV_ADV		Test Point	TPOINTSMD		
1	TP5	VDD_HV_IO_MAIN		Test Point	TPOINTSMD		
1	TP6	VDD_LV		Test Point	TPOINTSMD		
1	TP7	VDD_HV_FLEX		Test Point	TPOINTSMD		
1	TP100	+3.3V (LVDD)		Test Point	TPOINTSMD		
1	TP101	ADBUS5		Test Point	TPOINTSMD		
1	U1	SPCS582Bx_Chorus_64		Chorus Microcontroller SPCS582Bxxx	TQFP64-10X10X1.2_P0.5+EP-4.3	STMicroelectronics	Chorus SPCS582B2
1	U2	LD1117550TR		Low drop positive voltage regulator	SOT-223	STMicroelectronics	LD1117550TR
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 EPROM With Block Protectio	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