

Quantity	Designator	Comment	Assembly Option	Assembly Note	Description	Footprint	Manufacturer	Manufacturer P/N
2	C1, C2	18p			COG Ceramic Multilayer Capacitor	0603C	TDK	C1608COG1H180J080AA
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		805 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, C117, C118, C119, C120, C121, C122, C123, C124	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	
2	C123, C124	18p			COG Ceramic Multilayer Capacitor	0603C	TDK	C1608COG1H180J080AA
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-5
2	CN6, CN9	Header 8X1_Female			Header, 8-Pin, Single row,female	1*8P_FEMALE	Samtec	SSW-108-01-S-5
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-5
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 600hm 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
2	R1, R5	10k	Not Mounted		Resistor 0603	RES 0603	Any	
2	R2, R6	10k			Resistor 0603	RES 0603	Any	
3	R3, R14, R15	0R			Resistor 0603	RES 0603	Any	
1	R4	10k			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	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	1RRD
1	TP1	VDD_HV_FLA			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	ADBU5S			Test Point	TPOINTSMD		
1	U1	SPCS848x			Chorus Microcontroller SPCS848xxx	TQFP64-10X10X1.2_P0.5+E	STMicroelectronics	Chorus SPCS848
1	U2	LD11175S0TR			Low drop positive voltage regulator	SOT-223	STMicroelectronics	LD11175S0TR
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	FT232HL
1	U108	M93546XS			1K (x16) Serial Microwire Bus EEPROM With Block	SO-8	STMicroelectronics	M93546-WMN6TP/S
1	U109	LD1117533TR			Low drop positive voltage regulator	SOT-223	STMicroelectronics	LD1117533TR
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