

Comment	Description	Designator	Footprint	LibRef	Quantity
10pF	Capacitor	C1, C2, C95, C96	0603C	Cap	4
100nF	Capacitor	C3, C5, C7, C9, C10, C11, C13	0603C	Cap	43
10uF	Capacitor	C4	1206C	Cap	1
4.7uF	Capacitor	C6, C8, C53, C63, C66, C69, C70	0805C	Cap	9
3.3uF	Capacitor	C12	0805C	Cap	1
10uF	Capacitor	C26	1210C	CAP	1
470nF	Capacitor	C27	0603C	CAP	1
47nF	Capacitor	C28	0603C	CAP	1
1pF	Capacitor	C29	0603C	CAP	1
4.7nF	Capacitor	C30, C94	0603C	CAP	2
22uF	Capacitor	C31, C32, C33, C34, C35	1210C	CAP	5
10nF	Capacitor	C36, C38, C41, C43, C46, C49	0603C	CAP	7
2.2uF	Capacitor	C40, C45, C78	0805C	CAP	3
1uF	Capacitor	C50	0805C	CAP	1
1nF	Capacitor	C51, C54, C56, C58, C59, C62	0603C	CAP	14
20pF	Capacitor	C83, C84, C88	0603C	CAP	3
220pF	Capacitor	C91	0603C	CAP	1
10uF	Capacitor	C93	0805C	CAP	1
LED		D1, D2, D3, D4, D5	0805D	LED	5
STTH2R02	Default Diode	D6, D11, D12	SMB	Diode	3
Green	Typical RED, GREEN, YELLOW	D7, D9, D10, D13, D14, D15	0805D	LED2	8
STPS340U	Default Diode	D8	SMB	Diode	1
BAS70	High Conductance Fast Diode	D18	SOD323	Diode 1N4148	1
Fuse 1A	Fuse	F1	0603R	Fuse 2	1
4 HEADER	4 Pin Header	JP1, JP7	SIP4	4 HEADER	2
		JP2, JP3, JP4	SIP3	JUMPER3	3
TXD		JP5	HDR1X5	JUMPER5	1
RXD		JP6	HDR1X5	JUMPER5	1
CNRX		JP8	SIP3	JUMPER3	1
CNTX		JP9	SIP3	JUMPER3	1
FR_TX		JP10	SIP3	JUMPER3	1
FR_TXEN		JP11	SIP3	JUMPER3	1
FR_RX		JP12	SIP3	JUMPER3	1
CON_4_25x2		JP13	CON_4_2X25	CON_4_25x2	1
CAN_STBY		JP14	SIP2	JUMPER2	1
CAN		JP15	SIP2	JUMPER2	1
LIN Master/Slave		JP16	SIP3	JUMPER3	1
LIN_CS		JP17	SIP2	JUMPER2	1
GPIO99		JP18, JP19, JP20	SIP2	JUMPER2	3
ESR0		JP21	SIP2	JUMPER2	1
PORST		JP22	SIP2	JUMPER2	1
GPIO98		JP23, JP24	SIP2	JUMPER2	2
367-4812	Inductor	L1, L2, L3, L4, L7	0603L	Inductor	5
22uH@1.6A	Inductor	L5	VLP 6X6	Inductor	1
DLW43SH101XK2	choke coil	L6	DLW43SH101XK2	Trans Ideal	1
USB_MINI_B	USB-MINI_B	P1	USB/SM0.8-6H5	USB_Port	1
MiniJTAG	Header, 5-Pin, Dual row	P2	MINI-JTAG - SAMTEC	Header 5X2	1
HEADER 4X2		P3, P4	IDC8	HEADER 4X2	2
Header 10X2	Header, 10-Pin, Dual row	P5	HDR2X10	Header 10X2	1
12K	Resistor	R1	0603R	Res1	1
10R	Resistor	R2, R3	0603R	Res1	2
1K	Resistor	R4, R6, R10, R11, R30, R34, R35	0603R	Res1, RES2	12
Option	Resistor	R5	0603R	Res1	1
4k7	Resistor	R7, R8, R12, R15, R16, R29	0603R	Res1, RES2	6
2k2	Resistor	R9	0603R	Res1	1
0R	Resistor	R13, R14, R52, R53, R69, R70	0603R	Res1, RES2	7
220	Resistor	R17, R18	0603R	Res1	2
0	Resistor	R19, R23, R64	0603R	RES2	3
10k	Resistor	R20, R44, R45, R46, R55, R60	0603R	RES2	9
150k	Resistor	R21	0603R	RES2	1
1.1k	Resistor	R22	0603R	RES2	1

270R	Resistor	R24	0603R	RES2	1
5K	Resistor	R25, R36	0603R	RES2	2
510R	Resistor	R26	0603R	RES2	1
100k	Resistor	R27, R31, R37, R38, R39, R40	0603R	RES2	6
15k	Resistor	R28, R32	0603R	RES2	2
8k6	Resistor	R33	0603R	RES2	1
0	Resistor	R41, R42, R43	0805R	RES2	3
OR 0805/1206	Resistor	R54	0805R	RES2	1
10k	Resistor	R57	0805R	RES2	1
1k	Resistor	R58	0805R	RES2	1
4K7	Resistor	R59	0805R	RES2	1
47k	Resistor	R63	0603R	RES2	1
47R	Resistor	R66, R67	0805R	RES2	2
120	Resistor	R68	0805R	RES2	1
RESPACK3		RP1	RES 0402X8	RESPACK3	1
SWITCH		S1	SWITCH (SS-12D10)	SWITCH	1
RST		S2	SW2_SMT	SW-PB	1
		TP1	TESTER - TP	TESTER	1
3V3 USB		TP2	TESTER1	TESTER	1
External Supply		TP3	TESTER1	TESTER	1
GND		TP4, TP10, TP16	TESTER1	TESTER	3
VPRE		TP5	TESTER1	TESTER	1
5V		TP6	TESTER1	TESTER	1
3V3		TP7	TESTER1	TESTER	1
LIN		TP9	TESTER1	TESTER	1
K		TP11	TESTER1	TESTER	1
BM		TP12	TESTER1	TESTER	1
BP		TP13	TESTER1	TESTER	1
CANL		TP14	TESTER1	TESTER	1
CANH		TP15	TESTER1	TESTER	1
FT2232H		U1	LQFP50P1000X1000X16-64N	FTDI2232	1
SN74LVC1T45DCK		U2, U3, U5, U6, U7, U10, U11	SC-70-6	SN74LVC1T45DCK	8
USBLC6-2P6	USBLC6-2P6	U4	SOT666	USBLC6-2P6	1
M93S46XS	1K (x16) Serial Microwire Bus	U8	SO-8	M93S46RMN6	1
LD1117S33TR		U9	SOT-223	LD1117-3.3	1
SPCS574K72E7	K2, eTQFP176, 24*24*1.4mm	U13	TSQFP50P2600X2600-176M	SPCS574K72E7_eLQFP176	1
A7985	2A Buck regulator for autom	U14	HSO8	A7985	1
A6932H1.2	2A linear regulator for autom	U15, U16	HSO8	A6932	2
STS8C5H30L	P/N MOSFET	U17, U18	SO-8	STS8C5H30L	2
STM6315RB - 2.63V		U19	SOT143-4	STM6315	1
SPCS572L64E3	Lavaredo, eTQFP100, 14x14x	U20	TSQFP50P1600X1600-100M	SPCS572L64E3	1
TJA1020/1021		U21	SO-8	TJA1020	1
L9637D		U22	SO-8	L9637D	1
TJA1080		U23	SSOP20	TJA1080	1
AMIS-30663	High speed CAN transceiver	U24	SO8	AMIS-30663	1
JTAG 14-PIN		X1	Header7x2	JTAG	1
DC-10A		X2	DC10B	PJ202A	1
HEADER 37X4		X3	HDR37X4	HEADER 37X4	1
12MHZ	Crystal Oscillator	Y1	XTAL-SMD-4	XTAL	1
20MHz	Crystal Oscillator	Y2	XTAL_SOCKET	XTAL	1