

Comment	Designator	Footprint	LibRef	Manufacturer Part #	Vendor	Quantity	Rated voltage	General capacitors	vendor
22nF	C1	0603C	CAP	GCM188R72A223KA37D	Murata	1	50	CL10B223K08NNN	Samsung
330uF	C2	6032PC	Cap Pol2	TPSC337M006R0080	AVX	1	6.3		
10uF	C3	3225C/1210	CAP	GRM32ER71H106KA12#	Murata	1	50	CL32B106KBNNN	Samsung
47pF	C4	0603C	CAP	GCM1885C2A470JA16D		1	50	CL10C470KB8NNN	Samsung
10uF	C5, C52	0805C	CAP	GCM21BR70J106KE22L		2	6.3	CL21B106KQNNN	Samsung
10nF	C6, C9, C14, C28, C30, C31, C47	0603C	CAP	GCM188R72A103KA37D		7	50	CL10B103KB8NNN	Samsung
47nF	C7, C10, C32	0603C	CAP	GCM188R71H473KA55D		3	50	CL10B473KB8NNN	Samsung
1uF	C8, C11, C33, C61, C62, C63, C64	0603C	CAP	GCM188R71E105KA64D		7	25	CL10B105KA8NNN	Samsung
100nF	C12, C15, C16, C18, C20, C22, C24, C26, C27, C29, C34, C35, C36, C38, C40, C43, C44, C46, C51, C57, C58, C59, C60, C65, C66, C67, C69, C71, C73, C75	0603C	CAP	GCM188R72A104KA64D		30	50	CL10B104KB8NNN	Samsung
4.7uF	C13, C17, C19, C21, C23, C25, C37, C45	0805C	CAP	GCM21BC71A475KA73L		8	10	CL21B475KPFNNN	Samsung
20uF	C39	1206C	CAP	GCM31CR70J226ME23L		1	6.3	CL31B226KQHNNN	Samsung
27pF	C41, C42	0603C	CAP	GCM1885C2A270JA16D		2	50	CL10C270JB8NNN	Samsung
20pF	C48	0603C	CAP	GCM1885C2A220JA16D		1	50	CL10C200JB8NNN	Samsung
220pF	C49	0603C	CAP	GCM1885C2A221JA16D		1	50	CL10B221KB8NNN	Samsung
1nF	C50, C53	0603C	CAP	GCM188R72A102KA37D		2	50	CL10B102KB8NNN	Samsung
10pF	C54, C56	0603C	CAP	GCM1885C2A100JA16D		2	50	CL10C100JB8NNN	Samsung
4.7nF	C55	0603C	CAP	GCM188R72A472KA37D		1	50	CL10B472KB8NNN	Samsung
470pF	C68, C70, C72, C74	0603C	CAP	GCM1885C2A471JA16D	4	50	CL10B471KB8NNN	Samsung	
STPS340U	D1	SMB	Diode	STPS340U	ST	1			
Green	D2, D3, D4, D5, D6, D7	0805D	LED2	HSMG-C170	Avago	6			
Red	D8	0805D	LED2	HSMH-C170	Avago	1			
1N4148	D9	SOD323	Diode 1N4148	1N4148WS	Fairchild	1			
Fuse 1A	F1	0603R	Fuse 2	F0603HI1000V	AEM	1			

Bead	FB1, FB2	0603L	Inductor	BLM18KG221SN1	Murata	2			
D Connector 9	J2	DB9RAF	D Connector 9	-	Zhour	1	Female		
D Connector 9	J1, J3	DB9RAM	D Connector 9	-	Zhour	2	Male		
	JP1	SIP3	JUMPER3	-	Zhour	1			
GPIO99	JP4	SIP2	JUMPER2	-	Zhour	1			
GPIO98	JP5, JP6	SIP2	JUMPER2	-	Zhour	2			
ADC1_AN10	JP7	SIP2	JUMPER2	-	Zhour	1			
A2	JP8	SIP3	JUMPER3	-	Zhour	1			
A3	JP9	SIP3	JUMPER3	-	Zhour	1			
A4	JP10	SIP3	JUMPER3	-	Zhour	1			
ADC1_AN5	JP11	SIP2	JUMPER2	-	Zhour	1			
A4	JP12	SIP2	JUMPER2	-	Zhour	1			
LIN Master/Slave	JP13	SIP3	JUMPER3	-	Zhour	1			
LIN_CS	JP14	SIP2	JUMPER2	-	Zhour	1			
FR_TX	JP15	SIP3	JUMPER3	-	Zhour	1			
FR_TXEN	JP16	SIP3	JUMPER3	-	Zhour	1			
FR_RX	JP17	SIP3	JUMPER3	-	Zhour	1			
RXD	JP18	HDR1X5	JUMPER5	-	Zhour	1			
CNRX	JP19	SIP3	JUMPER3	-	Zhour	1			
TXD	JP20	HDR1X5	JUMPER5	-	Zhour	1			
CAN	JP21	SIP2	JUMPER2	-	Zhour	1			
CNTX	JP22	SIP3	JUMPER3	-	Zhour	1			
33uH@1.6A	L1	VLP 6X6	Inductor	NR6045T330M	Taiyo Yuden	1			
DLW43SH101XK2	L2	DLW43SH101XK2	Trans Ideal	DLW43SH101XK2	Murata	1			
FCU Header	P1	HDR1X3	Header 3	-	Zhour	1			
SPI Header	P2	HDR2X4	Header 4X2	-	Zhour	1			
HEADER 4X2	P3	IDC8	HEADER 4X2	-	Zhour	1			
BCP68	Q1	SOT-223	NPN	BCP68	ON Semi	1			
10k	R1	0805R	RES2	-	UniOhm	1			
10k	R2, R8, R9, R10, R20, R21, R22, R29, R34, R36, R37, R40	0603R	RES2	-	UniOhm	12			
3.3k	R3, R5	0603R	RES2	-	UniOhm	2			

4.7k	R4	0603R	RES2	-	UniOhm	1			
1k	R6, R13, R14, R16, R17	0603R	RES2	-	UniOhm	5			
0R	R12, R15, R19, R28	0603R	RES2	-	UniOhm	4			
2.2k	R18	0603R	RES2	-	UniOhm	1			
10K	R24, R25	Rdip2	RPot	-	UniOhm	2			
1k	R31	0805R	RES2	-	UniOhm	1			
4K7	R32	0805R	RES2	-	UniOhm	1			
47R	R33, R35	0805R	RES2	-	UniOhm	2			
47k	R38	0603R	RES2	-	UniOhm	1			
120	R41	0805R	RES2	-	UniOhm	1			
0R 0805/1206	R42	0805R	RES2	-	UniOhm	1			
SWITCH	S1	SWITCH (SS- 12D10)	SWITCH	-	Zhour	1			
SW-PB	S2	SW2_SMT	SW-PB	FSMSM	TE	1			
SW DIP-2	S3	SW2-DIP	SW DIP-2	DSHP02TSGER	Kingtek	1			
RST	S4	SW2_SMT	SW-PB	FSMSM TE	TE	1			
5V	TP1	TESTER1	TESTER	-	Zhour	1			
External Supply	TP2	TESTER1	TESTER	-	Zhour	1			
GND	TP3	TESTER1	TESTER	-	Zhour	1			
3V3	TP4	TESTER1	TESTER	-	Zhour	1			
VDD_LV_COR	TP5	TESTER1	TESTER	-	Zhour	1			
RST	TP6	TESTER1	TESTER	-	Zhour	1			
LIN	TP7	TESTER1	TESTER	-	Zhour	1			
BM	TP8	TESTER1	TESTER	-	Zhour	1			
K	TP9	TESTER1	TESTER	-	Zhour	1			
BP	TP10	TESTER1	TESTER	-	Zhour	1			
CANL	TP11	TESTER1	TESTER	-	Zhour	1			
CANH	TP12	TESTER1	TESTER	-	Zhour	1			
A5970AD	U1	SO8_M	A5970AD	A5970AD	ST	1			
SPC56XL60/70L5	U2	LQFP144	Leopard - LQFP144	SPC56XL	ST	1			
LD1117-3V3	U3	DKPAK	LD1117-3.3	LD1117DT33TR	ST	1			
STM6315RB - 2.63V	U5	SOT143-4	STM6315	STM6315RB	ST	1			
TJA1020/1021	U6	SO-8	TJA1020	TJA1021T	NXP	1			

L9637D	U7	SO-8	L9637D	L9637D	ST	1			
TJA1080	U8	SSOP20	TJA1080	TJA1080ATS/2	NXP	1			
AMIS-30663	U9	SO8	AMIS-30663	AMIS30663CANG2G	ON Semi	1			
ST3232	U10	TSSOP16	ST3232	ST3232BTR	ST	1			
DC-10B	X1	DC10B	PJ202A		Zhour	1			
JTAG 14-PIN	X3	Header7x2	JTAG	-	Zhour	1			
HEADER 4X2	X5	HDR2X4	HEADER 4X2	-	Zhour	1			
HEADER 37X4	X6	HDR37X4	HEADER 37X4	-	Zhour	1			
40MHz with Socket	Y1	XTAL_SOCKET	XTAL	P-183-0740-093	lwconn	1			
NOT INSTALLED									
M95128	U4	SO-8	M95256	M95128	ST	1			
10k	R7, R11, R30	0603R	RES2	-	UniOhm	3			
0	R26, R27, R39, R43,R44	0603R	RES2	-	UniOhm	5			
NEXUS	X2	MICTOR 38	NEXUS	AMP - 2-5767004-2	TE	1			
1M	R23	0805R	RES2	-	UniOhm	1			