

Comment	Comment (II)	Designator	Footprint	LibRef	Manufacturer Part #	Vendor	Quantity
22nF	50	C1	0603C	CAP	GCM188R72A223KA37D	Murata	1
330uF	6.3	C2	6032PC	Cap Pol2	TPSC337M006R0080	AVX	1
10uF	50	C3	3225C	CAP	GRM32ER71H106KA12#	Murata	1
47pF	50	C4	0603C	CAP	GCM1885C2A470JA16D		1
10uF	6.3	C5, C52	0805C	CAP	GCM21BR70J106KE22L		2
10nF	50	C6, C9, C14, C28, C30, C31, C47	0603C	CAP	GCM188R72A103KA37D		7
47nF	50	C7, C10, C32	0603C	CAP	GCM188R71H473KA55D		3
1uF	25	C8, C11, C33, C61, C62, C63, C64	0603C	CAP	GCM188R71E105KA64D		7
100nF	50	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
4.7uF	10	C13, C17, C19, C21, C23, C25, C37, C45	0805C	CAP	GCM21BC71A475KA73L		8
20uF	6.3	C39	1206C	CAP	GCM31CR70J226ME23L		1
27pF	50	C41, C42	0603C	CAP	GCM1885C2A270JA16D		2
20pF	50	C48	0603C	CAP	GCM1885C2A220JA16D		1
220pF	50	C49	0603C	CAP	GCM1885C2A221JA16D		1
1nF	50	C50, C53	0603C	CAP	GCM188R72A102KA37D		2
10pF	50	C54, C56	0603C	CAP	GCM1885C2A100JA16D		2
4.7nF	50	C55	0603C	CAP	GCM188R72A472KA37D		1
470pF	50	C68, C70, C72, C74	0603C	CAP	GCM1885C2A471JA16D		4
Bead	1A / 100±200Ω	FB1, FB2	0603L	Inductor	BLM18KG221SN1	Murata	2
D Connector 9		J1, J2, J3	DSUB1.385-2H9	D Connector 9	-	-	3
		JP1	SIP3	JUMPER3	-	-	1
GPIO99		JP4	SIP2	JUMPER2	-	-	1
GPIO98		JP5, JP6	SIP2	JUMPER2	-	-	2

ADC1_AN10		JP7	SIP2	JUMPER2	-	-	1
A2		JP8	SIP3	JUMPER3	-	-	1
A3		JP9	SIP3	JUMPER3	-	-	1
A4		JP10	SIP3	JUMPER3	-	-	1
ADC1_AN5		JP11	SIP2	JUMPER2	-	-	1
A4		JP12	SIP2	JUMPER2	-	-	1
LIN Master/Slave		JP13	SIP3	JUMPER3	-	-	1
LIN_CS		JP14	SIP2	JUMPER2	-	-	1
FR_TX		JP15	SIP3	JUMPER3	-	-	1
FR_TXEN		JP16	SIP3	JUMPER3	-	-	1
FR_RX		JP17	SIP3	JUMPER3	-	-	1
RXD		JP18	HDR1X5	JUMPER5	-	-	1
CNRX		JP19	SIP3	JUMPER3	-	-	1
TXD		JP20	HDR1X5	JUMPER5	-	-	1
CAN		JP21	SIP2	JUMPER2	-	-	1
CNTX		JP22	SIP3	JUMPER3	-	-	1
33uH@1.6A		L1	VLP 6X6	Inductor	810-VLP6045LT-330M	TDK	1
DLW43SH101XK2		L2	DLW43SH101XK2	Trans Ideal	DLW43SH101XK2	Murata	1
FCU Header		P1	HDR1X3	Header 3	-	-	1
SPI Header		P2	HDR2X4	Header 4X2	-	-	1
HEADER 4X2		P3	IDC8	HEADER 4X2	-	-	1
BCP68		Q1	SOT-223	NPN	BCP68	ON Semi	1
10k		R1	0805R	RES2	-	-	1
10k		R2, R8, R9, R10, R20, R21, R22, R29, R34, R36, R37, R40	0603R	RES2	-	-	12
3.3k		R3, R5	0603R	RES2	-	-	2
4.7k		R4	0603R	RES2	-	-	1
1k		R6, R13, R14, R16, R17	0603R	RES2	-	-	5
0R		R12, R15, R19, R28	0603R	RES2	-	-	4
2.2k		R18	0603R	RES2	-	-	1
10K		R24, R25	Rdip2	RPot	-	-	2

1k		R31	0805R	RES2	-	-	1
4K7		R32	0805R	RES2	-	-	1
47R		R33, R35	0805R	RES2	-	-	2
47k		R38	0603R	RES2	-	-	1
120		R41	0805R	RES2	-	-	1
0R 0805/1206		R42	0805R	RES2	-	-	1
SWITCH		S1	SWITCH (SS-12D10)	SWITCH	-	-	1
SW-PB		S2	SW2_SMT	SW-PB	TMG-325	DIPTRONICS	1
SW DIP-2		S3	SW2-DIP	SW DIP-2	-	-	1
RST		S4	SW2_SMT	SW-PB	TMG-325	DIPTRONICS	1
5V		TP1	TESTER1	TESTER	-	-	1
External Supply		TP2	TESTER1	TESTER	-	-	1
GND		TP3	TESTER1	TESTER	-	-	1
3V3		TP4	TESTER1	TESTER	-	-	1
VDD_LV_COR		TP5	TESTER1	TESTER	-	-	1
RST		TP6	TESTER1	TESTER	-	-	1
LIN		TP7	TESTER1	TESTER	-	-	1
BM		TP8	TESTER1	TESTER	-	-	1
K		TP9	TESTER1	TESTER	-	-	1
BP		TP10	TESTER1	TESTER	-	-	1
CANL		TP11	TESTER1	TESTER	-	-	1
CANH		TP12	TESTER1	TESTER	-	-	1
A5970AD		U1	SO8_M	A5970AD	A5970AD	ST	1
SPC56XL60/54L5		U2	LQFP144FORPICT US	Leopard - LQFP14	SPC56XL	ST	1
LD1117-3V3		U3	DPAK	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	-	-	1
JTAG 14-PIN		X3	Header7x2	JTAG	-	-	1

HEADER 4X2		X5	HDR2X4	HEADER 4X2	-	-	1
HEADER 37X4		X6	HDR37X4	HEADER 37X4	-	-	1
40MHz with Socket		Y1	XTAL_SOCKET	XTAL	P-183-0740-093	lwconn	1

NOT INSTALLED

M95128
10k
0
NEXUS
1M

U4	SO-8	M95256	M95128	ST	1
R7, R11, R30	0603R	RES2	-	-	3
R26, R27, R39, R43,R44	0603R	RES2	-	-	5
X2	MICTOR 38	NEXUS	AMP - 2-5767004-2	TE	1
R23	0805R	RES2	-	-	1