

Designator	Comment	Description	Footprint	LibRef	Manufacturer	Manufacturer P/N	Quantity	Supplier	Supplier P/N	Assembly Option
ADG1	ADG CONNECTOR 40X3		HEADER 40X3	ADG CONNECTOR 40X3			1			
C1, C11	22u	Capacitor X7R	C2220-B	CAP_SMD_X7R	Panasonic	EEE-1CA220AR	2	Mouser	667-EEE-1CA220AR	
C2, C12	68n	Capacitor X7R	C0603-B	CAP_SMD_X7R	TDK	CGA3E2X7R1H683M080AA	2	Mouser	810-CGA3E2X7R1H683MA	
C3	8n2	Capacitor X7R	C0603-B	CAP_SMD_X7R	AVX	06031C822KAT2A	1	Mouser	581-06031C822KAT2A	
C4, C14, C48, C50	47uF	Capacitor X7R	C2220-B	CAP_SMD_X7R			4			
C5, C15, C49, C51	22uF	Capacitor X7R	C1210-B	CAP_SMD_X7R			4			
C6, C9, C10, C16, C20, C25, C27, C29, C31, C34, C37, C39, C41, C43, C46, C73, C74, C77, C78, C81, C82, C83, C84, C88, C90, C105, C107, C109, C111, C112, C113, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126	100n	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GCJ188R71E104KA12D	43	Mouser	81-GCJ188R71E104KA2D	
C7, C17	220n	Capacitor X7R	C0603-B	CAP_SMD_X7R	AVX	08051A200F4T2A	2	Mouser	581-08051A200F4T2A	
C8	2n2	Capacitor X7R	C0603-B	CAP_SMD_X7R	TDK	C1608X7R2A222K080AA	1	Mouser	810-C1608X7R2A222K	
C13	15n	Capacitor X7R	C0603-B	CAP_SMD_X7R	TDK	CGA3E2X7R1H153M080AA	1	Mouser	810-CGA3E2X7R1H153MA	
C18	1n	Capacitor X7R	C0603-B	CAP_SMD_X7R	TDK	CGA3E2X7R2A102K080AA	1	Mouser	810-CGA3E2X7R2A102K	
C19, C21, C106	10u	Capacitor X7R	C1206-B	CAP_SMD_X7R	Murata Electronics, TDK	GRM21BR70J106KA73L, C3216X5R1C106M160AA	3	Mouser	81-GRM21BR70J106KA3L, 810-C3216X5R1C106M	
C22, C23, C85, C87	10p	Capacitor X7R	C0603-B	CAP_SMD_X7R	Vishay / Vitramon	VJ0603A100FXJPW1BC	4	Mouser	77-VJ0603A100FXJPBC	
C24, C36	2.2u	Capacitor X7R	C0805-B	CAP_SMD_X7R	Murata Electronics	GRM188Z71E225KE43D	2	Mouser	81-GRM188Z71E225KE3D	
C26, C28, C30, C32, C35, C38, C40, C42, C44, C47, C79, C89, C91	10n	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GCJ188R71E103KA01D	13	Mouser	81-GCJ188R71E103KA1D	
C33, C45	1u	Capacitor X7R	C0805-B	CAP_SMD_X7R	Murata Electronics	GCJ188R71E105KA01D	2	Mouser	81-GCJ188R71E105KA1D	
C72	27p	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GRM0335C1E270FA01D	1	Mouser	81-GRM0335C1E270FA1D	N.A.
C75, C76	47p	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GRM0335C1E470JA01J	2	Mouser	81-GRM0335C1E470JA1J	Not Assembled
C80	220p	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GRM033R71E221MA01D	1	Mouser	81-GRM033R71E221MA1D	
C86	4n7	Capacitor X7R	C0603-B	CAP_SMD_X7R	Murata Electronics	GCJ188R71E472KA01D	1	Mouser	81-GCJ188R71E472KA1D	
C101, C102	18p	Capacitor X7R	C0603-A	CAP_SMD_X7R	Yageo	CC0603JRNPO0B180	2	Mouser	603-CC0603JRNPO0B180	
C108, C110	4u7	Capacitor X7R	C1206-A	CAP_SMD_X7R	TDK	C2012JB1C475K060AC	2	Mouser	810-C2012JB1C475K06C	
C114	3u3	Capacitor X7R	C0805-b	CAP_SMD_X7R	Murata Electronics	GCM21BR71C335KA73L	1	Mouser	81-GCM21BR71C335KA3L	
D1, D3	STPS2L40ZFY	Default Diode	SOD-123FL	Diode	STMicroelectronics	STPS2L40ZFY	2	Mouser	511-STPS2L40ZFY	
D2, D9	STPS3L40S	Default Diode	DO-214AB	Diode	STMicroelectronics	STPS3L40S	2	Farnell	2353680	
D4	LED_1	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
D5	LED_2	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
D6	LED_3	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
D7	Rx	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
D8	Tx	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
D10	BAS40	Small Signal Schottky Diode, Single, 40 V, 120 mA, 1 V, 600 mA, 150 °C	SOT-23-RS	BAS40	NXP	BAS40	1	FARNELL	8734291	
F1	2A	Fuse	2920L	Fuse 2	Littelfuse	2920L200	1	Mouser	576-2920L200	
Fid1, Fid2, Fid3, Fid4, Fid5, Fid6	Fiducial	Fiducial 1mm	Fiducial 1mm	Fiducial			6			
J1	CAN1	Receptacle Assembly, 9 Position, Right Angle	DB9F SLOT	D Connector 9	Amphenol Commercial Products	FCE17E09PEA40	1	Mouser	523-FCE17E09PEA40	
JP1, JP4, JP5, JP7, JP10, JP15, JP20, JP21, JP22, JP23, JP24, JP25, JP26, JP27, JP28	Closed	Jumper 1x2.54_CLOSED	SIP2	Jumper 2.54_Closed	TE Connectivity	826646-2	15	Mouser	571-826646-2	
JP2, JP6, JP11, JP12	3 Male Pins	3xMale pin - 0.1"	SIP3	Jumper 3x2.54_Closed_V_1_2, Jumper 3x2.54_Closed	Molex	87891-0306	4	Mouser	538-87891-0306	
JP3, JP13, JP14, JP16, JP17, JP18, JP19	Open	Jumper 1x2.54_OPEN	SIP2	Jumper 2.54_Open	TE Connectivity	826646-2	7	Mouser	571-826646-2	Open
JP9	Reset Selector	3xMale pin - 0.1"	SIP3	Jumper 3x2.54_Closed_V_1_2	Molex	87891-0306	1	Mouser	538-87891-0306	
JP41	4 HEADER	4 Pin Header	SIP4	4 HEADER	3M	929805-01-04-EU	1	Mouser	517-929805-01-04-EU	Not Assembled
JTAG_1	JTAG - 2x7	Header, 7-Pin, Dual row	IDC14	JTAG 7X2	Molex	70246-1404	1	Mouser	538-70246-1404	
L1	47u	Inductor	B82477R4	Inductor	Würth Electronics	7447709470	1	Mouser	710-7447709470	
L2, L4, L5, L6, L7, L8, L9		Ferrite Bead	F0603	Inductor	WURTH ELEKTRONIK	74279267	7	Mouser	710-74279267	
L3	12u	Inductor	B82477G2	Inductor	Panasonic	ELL-ATP120MB	1	Mouser	667-ELL-ATP120MB	
L10	ACT45R-101-2P-TL001	CHOKe COM MODE 100UH 5.5KOHM SMD	ACT45R	ACT45R-101-2P-TL001			1			
LD1	12V	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
LD2	5V	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
LD3	3V3	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
LD4	1V25	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
LD10	Reset	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
LD11	User_0	SMD LED	0805 LED	LED2	ROHM Semiconductor	LTST-C193KRKT-5A	1	Mouser	755-SMLE13EC8TT86	
LD12	User_1	SMD LED	0805 LED	LED2	ROHM Semiconductor	LTST-C193KRKT-5A	1	Mouser	755-SMLE13EC8TT86	
LD13	User_2	SMD LED	0805 LED	LED2	ROHM Semiconductor	LTST-C193KRKT-5A	1	Mouser	755-SMLE13EC8TT86	
LD14	VBatt	SMD LED	0805 LED	LED2	Lite-On	LTST-C193KRKT-5A	1	Mouser	859-LTSTC193KRKT5A	
Log1	LOGO RoHS	LOGO RoHS	LOGO RoHS - 2	LOGO RoHS			1			
Log2	LOGO RAE	LOGO RAE	LOGO CESTINO	LOGO RAE			1			



U18	M93S46-WMN6TP	1K (x16) Serial Microwire Bus EEPROM With Block Protection	SO-8	M93S46RMN6	ST MICROELECTRONICS	M93S46-WMN6TP	1	MOUSER	511-M93S46-WMN6TP	
U19	LD1117S33TR		SOT223	LD1117-3.3	ST MICROELECTRONICS	LD1117S33TR	1	FARNELL	1202826RL	
X1	DC-10A		CON DC10A	PJ202A	CLIFF ELECTRONIC COMPONENTS	DC-10A (FC68148)	1			
X2	40MHz	Crystal	NX5032GA	CRYSTAL			1			
Y1	7B-12.000MAAJ-T	TXC - 7B-12.000MAAJ-T - XTAL, 12.000MHZ, 18PF, SMD, 5,0X3,2	7B-12.000MAAJ-T	7B-12.000MAAJ-T	TXC	7B-12.000MAAJ-T	1	FARNELL	1841963RL	