

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
C1	47pF/16V	Capacitor	C0603-A			1					
C2	47pF/16V	Capacitor	C0603-A			1					
C3	100nF/50V	Capacitor	C0603-A			1					
C4	100nF/50V	Capacitor	C0603-A			1					
C5	4,7nF/16V	Capacitor	C0603-A			1					Not Assembled
C6	4,7nF/16V	Capacitor	C0603-A			1					Not Assembled
C7	47pF/16V	Capacitor	C0603-A			1					
C8	47pF/16V	Capacitor	C0603-A			1					
C9	100nF/50V	Capacitor	C0603-A			1					
C10	100nF/50V	Capacitor	C0603-A			1					
C11	4,7nF/16V	Capacitor	C0603-A			1					Not Assembled
C12	4,7nF/16V	Capacitor	C0603-A			1					Not Assembled
C13	1,5uF/16V	Capacitor	C0805-A			1					
C14	100nF/50V	Capacitor	C0603-A			1					
C15	10nF/16V	Capacitor	C0603-A			1					
C16	1,5uF/16V	Capacitor	C0805-A			1					
C17	100nF/50V	Capacitor	C0603-A			1					
C18	10nF/16V	Capacitor	C0603-A			1					
C19	100nF/50V	Capacitor	C0603-A			1					
C20	10nF/16V	Capacitor	C0603-A			1					
C21	100nF/50V	Capacitor	C0603-A			1					
C22	10nF/16V	Capacitor	C0603-A			1					
C23	100nF/50V	Capacitor	C0603-A			1					
C24	10nF/16V	Capacitor	C0603-A			1					
C25	100nF/50V	Capacitor	C0603-A			1					
C26	10nF/16V	Capacitor	C0603-A			1					
C27	100nF/50V	Capacitor	C0603-A			1					
C28	10nF/16V	Capacitor	C0603-A			1					
C29	100nF/50V	Capacitor	C0603-A			1					
C30	10nF/16V	Capacitor	C0603-A			1					
C31	10nF/16V	Capacitor	C0603-A			1					
C32	2,2uF/16V	Capacitor	C1206-A			1					
C33	100nF/50V	Capacitor	C0603-A			1					
C34	10nF/16V	Capacitor	C0603-A			1					
C35	47nF/16V	Capacitor	C0603-A			1					
C36	10nF/16V	Capacitor	C0603-A			1					
C37	47nF/16V	Capacitor	C0603-A			1					
C38	10nF/16V	Capacitor	C0603-A			1					
C39	47nF/16V	Capacitor	C0603-A			1					
C40	10nF/16V	Capacitor	C0603-A			1					
C41	47nF/16V	Capacitor	C0603-A			1					
C42	10nF/16V	Capacitor	C0603-A			1					
C43	2,2uF/16V	Capacitor	C1206-A			1					
C44	100nF/50V	Capacitor	C0603-A			1					
C45	10nF/16V	Capacitor	C0603-A			1					
C46	2,2uF/16V	Capacitor	C1206-A			1					
C47	100nF/50V	Capacitor	C0603-A			1					
C48	10nF/16V	Capacitor	C0603-A			1					
C49	4,7uF/16V	Capacitor	C1206-A			1					
C50	100nF/50V	Capacitor	C0603-A			1					
C51	10nF/16V	Capacitor	C0603-A			1					
C54	100nF/50V	Capacitor	C0603-A			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
C55	100nF/50V	Capacitor	C0603-A			1					
C56	100nF/50V	Capacitor	C0603-A			1					
C57	100nF/50V	Capacitor	C0603-A			1					
C58	10uF/16V	Capacitor	C1206-A			1					
C59	100nF/50V	Capacitor	C0603-A			1					
C60	10uF/16V	Capacitor	C1206-A			1					
C61	100nF/50V	Capacitor	C0603-A			1					
C62	100nF/50V	Capacitor	C0603-A			1					
C63	8pF/16V	COG Ceramic Multilayer Capacitor	C0603-A			1					
C64	8pF/16V	COG Ceramic Multilayer Capacitor	C0603-A			1					
C65	100nF/50V	Capacitor	C0603-A			1					
C66	100nF/50V	Capacitor	C0603-A			1					
C67	100nF/50V	Capacitor	C0603-A			1					
C68	10pF/16V	Capacitor	C0603-A			1					
C69	4,7nF/16V	Capacitor	C0603-A			1					
C70	10pF/16V	Capacitor	C0603-A			1					
C71	100nF/50V	Capacitor	C0603-A			1					
C72	27pF/16V	Capacitor	C0603-A			1					
C73	47pF/16V	Capacitor	C0603-A			1					
C76	10uF/50V	Capacitor	C1206-A			1					
C77	100nF/50V	Capacitor	C0603-A			1					
C78	22nF/50V	Capacitor	C0603-A			1					
C80	100nF/50V	Capacitor	C0603-A			1					
C81	220pF/50V	Capacitor	C0603-A			1					
C82	10uF/50V	Capacitor	C1206-A			1					
C83	100nF/50V	Capacitor	C0603-A			1					
C84	22nF/50V	Capacitor	C0603-A			1					
C86	100nF/50V	Capacitor	C0603-A			1					
C87	220pF/50V	Capacitor	C0603-A			1					
C88	100nF/50V	Capacitor	C0603-A			1					
C89	100nF/50V	Capacitor	C0603-A			1					
C90	4,7uF/16V	Capacitor	C1206-A			1					
C91	100nF/50V	Capacitor	C0603-A			1					
C92	4,7uF/16V	Capacitor	C1206-A			1					
C93	100nF/50V	Capacitor	C0603-A			1					
C94	470nF/16V	Capacitor	C0603-A			1					
C95	470nF/16V	Capacitor	C0603-A			1					
C96	470nF/16V	Capacitor	C0603-A			1					
C97	100nF/50V	Capacitor	C0603-A			1					
C98	1nF/16V	Capacitor	C0603-A			1					
C99	220pF/16V	Capacitor	C0603-A			1					
C100	100nF/50V	Capacitor	C0603-A			1					
C101	18pF/16V	Capacitor	C0603-A			1					
C102	18pF/16V	Capacitor	C0603-A			1					
C103	100nF/50V	Capacitor	C0603-A			1					
C104	100nF/50V	Capacitor	C0603-A			1					
C105	100nF/50V	Capacitor	C0603-A			1					
C106	10uF/16V	Capacitor	C1206-A			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
C107	100nF/50V	Capacitor	C0603-A			1					
C108	4,7uF/16V	Capacitor	C1206-A			1					
C109	100nF/50V	Capacitor	C0603-A			1					
C110	4,7uF/16V	Capacitor	C1206-A			1					
C111	100nF/50V	Capacitor	C0603-A			1					
C112	100nF/50V	Capacitor	C0603-A			1					
C113	100nF/50V	Capacitor	C0603-A			1					
C114	3,3uF/16V	Capacitor	C0805-A			1					
C115	100nF/50V	Capacitor	C0603-A			1					
C116	100nF/50V	Capacitor	C0603-A			1					
C117	100nF/50V	Capacitor	C0603-A			1					
C118	100nF/50V	Capacitor	C0603-A			1					
C119	100nF/50V	Capacitor	C0603-A			1					
C120	100nF/50V	Capacitor	C0603-A			1					
C121	100nF/50V	Capacitor	C0603-A			1					
C122	100nF/50V	Capacitor	C0603-A			1					
C123	100nF/50V	Capacitor	C0603-A			1					
C124	100nF/50V	Capacitor	C0603-A			1					
C125	100nF/50V	Capacitor	C0603-A			1					
C126	100nF/50V	Capacitor	C0603-A			1					
C127	100nF/50V	Capacitor	C0603-A			1					
C128	100nF/50V	Capacitor	C0603-A			1					
C129	100nF/50V	Capacitor	C0603-A			1					
C130	100nF/50V	Capacitor	C0603-A			1					
C131	100nF/50V	Capacitor	C0603-A			1					
C132	10uF/16V	Capacitor	C1206-A			1					
C133	100nF/50V	Capacitor	C0603-A			1					
C134	100nF/50V	Capacitor	C0603-A			1					
CN1	D-SUB 9 WAY FEMALE	Receptacle Assembly, 9 Position, Right Angle, Military	DB9F SLOT			1					
D1	STPS340U	Default Diode	DO-214AA			1					
D2	STPS340U	Default Diode	DO-214AA			1					
D4	LED - Green	Diodo LED	0805 LED			1					
D5	LED - Green	Diodo LED	0805 LED			1					
D6	LED - Green	Diodo LED	0805 LED			1					
D7	LED - GREEN	Diodo LED	0805 LED			1					
D8	LED - GREEN	Diodo LED	0805 LED			1					
J1	D-SUB 9 WAY FEMALE	Receptacle Assembly, 9 Position, Right Angle, Military	DB9F SLOT			1					
J2	D-SUB 9 WAY FEMALE	Receptacle Assembly, 9 Position, Right Angle, Military	DB9F SLOT			1					
JP1	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP3	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP5	HEADER 22X2		HDR2X22			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
JP27	Open	Jumper 1x2.54_OPEN	SIP2			1				Open	
JP28	Open	Jumper 1x2.54_CLOSED	SIP2			1				Open	
JP29	Open	Jumper 1x2.54_CLOSED	SIP2			1				Open	
JP30	Open	Jumper 1x2.54_CLOSED	SIP2			1				Open	
JP31	Open	Jumper 1x2.54_CLOSED	SIP2			1				Open	
JP32	Open	Jumper 1x2.54_OPEN	SIP2			1				Open	
JP39	Open	Jumper 1x2.54_OPEN	SIP2			1				Open	
JP40	Close	Jumper Wire	R0603-WS			1				Closed	
JP42	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP43	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP44	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP45	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP46	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP47	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP48	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP49	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
JP50	Closed	Jumper 1x2.54_CLOSED	SIP2			1				Closed	
P3	USB_MINI_B	USB-MINI_B	MINI USB MOLEX			1					
Q1	BCP68	NPN Bipolar Transistor	SOT223			1					
R1	0Ω	Resistor	R0603-WS			1					
R2	22Ω	Resistor	R0603-WS			1					
R3	22Ω	Resistor	R0603-WS			1					
R4	10kΩ	Resistor	R0603-WS			1					
R5	60,4Ω	Resistor	R0603-WS			1					
R6	60,4Ω	Resistor	R0603-WS			1					
R7	100Ω	Resistor	R0603-WS			1					
R8	0Ω	Resistor	R0603-WS			1					
R9	22Ω	Resistor	R0603-WS			1					
R10	22Ω	Resistor	R0603-WS			1					
R11	10kΩ	Resistor	R0603-WS			1					
R12	60,4Ω	Resistor	R0603-WS			1					
R13	60,4Ω	Resistor	R0603-WS			1					
R14	100Ω	Resistor	R0603-WS			1					
R15	0Ω	Resistor	R0603-WS			1					
R16	10kΩ	Resistor	R0603-WS			1				Not Assembled	

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
R17	4,7kΩ	Resistor	R0603-WS			1					
R18	10kΩ	Resistor	R0603-WS			1					
R19	220Ω	Resistor	R0603-WS			1					
R20	220Ω	Resistor	R0603-WS			1					
R21	220Ω	Resistor	R0603-WS			1					
R22	2,2kΩ	Resistor	R0603-WS			1					
R23	2,2kΩ	Resistor	R0603-WS			1					
R24	2,2kΩ	Resistor	R0603-WS			1					
R25	330Ω	Resistor	R0603-WS			1					
R26	330Ω	Resistor	R0603-WS			1					
R27	1,5kΩ	Resistor	R0603-WS			1					
R28	4,7kΩ	Resistor	R0603-WS			1					Not Assembled
R29	49,9Ω	Resistor	R0603-WS			1					
R30	49,9Ω	Resistor	R0603-WS			1					
R31	49,9Ω	Resistor	R0603-WS			1					
R32	49,9Ω	Resistor	R0603-WS			1					
R33	4,7kΩ	Resistor	R0603-WS			1					Not Assembled
R34	0Ω	Resistor	R0603-WS			1					
R35	0Ω	Resistor	R0603-WS			1					
R36	22Ω	Resistor	R0603-WS			1					
R37	22Ω	Resistor	R0603-WS			1					
R38	22Ω	Resistor	R0603-WS			1					
R39	22Ω	Resistor	R0603-WS			1					
R40	22Ω	Resistor	R0603-WS			1					
R41	22Ω	Resistor	R0603-WS			1					
R42	0Ω	Resistor	R0603-WS			1					
R43	0Ω	Resistor	R0603-WS			1					
R44	4,87kΩ	Resistor	R0603-WS			1					
R45	22Ω	Resistor	R0603-WS			1					
R46	22Ω	Resistor	R0603-WS			1					
R47	22Ω	Resistor	R0603-WS			1					
R48	22Ω	Resistor	R0603-WS			1					
R49	22Ω	Resistor	R0603-WS			1					
R50	22Ω	Resistor	R0603-WS			1					
R51	22Ω	Resistor	R0603-WS			1					
R52	2,2kΩ	Resistor	R0603-WS			1					
R53	2,2kΩ	Resistor	R0603-WS			1					
R54	22Ω	Resistor	R0603-WS			1					
R55	22Ω	Resistor	R0603-WS			1					
R56	47Ω	Resistor	R0603-WS			1					
R57	3,3kΩ	Resistor	R0603-WS			1					
R58	3,3kΩ	Resistor	R0603-WS			1					
R59	3,3kΩ	Resistor	R0603-WS			1					
R60	47Ω	Resistor	R0603-WS			1					
R61	4,7kΩ	Resistor	R0603-WS			1					
R62	0Ω	Resistor	R0603-WS			1				Not Assembled	
R63	0Ω	Resistor	R0603-WS			1				Not Assembled	
R64	4,7kΩ	Resistor	R0603-WS			1					
R65	4,7kΩ	Resistor	R0603-WS			1					
R66	10kΩ	Resistor	R0603-WS			1				Not Assembled	
R67	10kΩ	Resistor	R0603-WS			1					
R70	5,6kΩ	Resistor	R0603-WS			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
R71	3,3kΩ	Resistor	R0603-WS			1					
R72	4,7kΩ	Resistor	R0603-WS			1					
R73	10kΩ	Resistor	R0603-WS			1					
R74	3,3kΩ	Resistor	R0603-WS			1					
R75	4,7kΩ	Resistor	R0603-WS			1					
R76	470Ω	Resistor	R0603-WS			1					
R77	470Ω	Resistor	R0603-WS			1					
R78	1kΩ	Resistor	R0603-WS			1					
R79	2,2kΩ	Resistor	R0603-WS			1					
R80	10kΩ	Resistor	R0603-WS			1					
R81	10kΩ	Resistor	R0603-WS			1					
R82	10kΩ	Resistor	R0603-WS			1					
R83	12kΩ	Resistor	R0603-WS			1					
R84	10Ω	Resistor	R0603-WS			1					
R85	10Ω	Resistor	R0603-WS			1					
R86	1kΩ	Resistor	R0603-WS			1					
R87	0Ω	Resistor	R0603-WS			1				Not Assembled	
R88	470Ω	Resistor	R0603-WS			1					
R89	4,7kΩ	Resistor	R0603-WS			1					
R90	4,7kΩ	Resistor	R0603-WS			1					
R91	470Ω	Resistor	R0603-WS			1					
R92	2,2kΩ	Resistor	R0603-WS			1					
R93	470Ω	Resistor	R0603-WS			1					
R94	4,7kΩ	Resistor	R0603-WS			1					
R95	0Ω	Resistor	R0603-WS			1				Not Assembled	
R96	0Ω	Resistor	R0603-WS			1				Not Assembled	
R97	4,7kΩ	Resistor	R0603-WS			1					
R98	4,7kΩ	Resistor	R0603-WS			1					
R99	470Ω	Resistor	R0603-WS			1					
R100	470Ω	Resistor	R0603-WS			1					
R101	0Ω	Resistor	R0603-WS			1					
R104	1kΩ	Resistor	R0603-WS			1					
R105	10kΩ	Resistor	R0603-WS			1					
R106	10kΩ	Resistor	R0603-WS			1					
R107	10kΩ	Resistor	R0603-WS			1					
R108	1kΩ	Resistor	R0603-WS			1					
R109	1kΩ	Resistor	R0603-WS			1					
R110	2.2kΩ	Resistor	R0603-WS			1					
R111	2.2kΩ	Resistor	R0603-WS			1					
R112	2.2kΩ	Resistor	R0603-WS			1					
R113	2.2kΩ	Resistor	R0603-WS			1					
R114	2.2kΩ	Resistor	R0603-WS			1					
R115	2.2kΩ	Resistor	R0603-WS			1					
R116	2.2kΩ	Resistor	R0603-WS			1					
R117	2.2kΩ	Resistor	R0603-WS			1					
R118	2.2kΩ	Resistor	R0603-WS			1					
R119	2.2kΩ	Resistor	R0603-WS			1					
R120	2.2kΩ	Resistor	R0603-WS			1					Not Assembled
R121	2.2kΩ	Resistor	R0603-WS			1					
R122	0R	Resistor	R0603-WS			1					
R123	1k	Resistor	R0603-WS			1				Not Assembled	

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
S1	SWITCH		SWITCH C.S. MFP211N			1					
S2	SW_3	Switch	PULSANTE1			1					
S3	SW_2	Switch	PULSANTE1			1					
S4	SW_1	Switch	PULSANTE1			1					
SB1	Closed	Circuit Breaker 0603	R0603-WS			1					
SB2	Closed	Circuit Breaker 0603	R0603-WS			1					
SB3	Closed	Circuit Breaker 0603	R0603-WS			1					
SB4	Closed	Circuit Breaker 0603	R0603-WS			1					
SB5	Open	Circuit Breaker 0603	R0603-WS			1					
SB6	Closed	Circuit Breaker 0603	R0603-WS			1					
SB7	Closed	Circuit Breaker 0603	R0603-WS			1					
SB8	Closed	Circuit Breaker 0603	R0603-WS			1					
SB9	Closed	Circuit Breaker 0603	R0603-WS			1					
SB10	Closed	Circuit Breaker 0603	R0603-WS			1					
SB11	Closed	Circuit Breaker 0603	R0603-WS			1					
SB12	Closed	Circuit Breaker 0603	R0603-WS			1					
SB13	Closed	Circuit Breaker 0603	R0603-WS			1					
SB14	Closed	Circuit Breaker 0603	R0603-WS			1					
SB15	Open	Circuit Breaker 0603	R0603-WS			1					
SB16	Open	Circuit Breaker 0603	R0603-WS			1					
SB17	Closed	Circuit Breaker 0603	R0603-WS			1					
SB18	Open	Circuit Breaker 0603	R0603-WS			1					
SB19	Closed	Circuit Breaker 0603	R0603-WS			1					
SB20	Closed	Circuit Breaker 0603	R0603-WS			1					
SB21	Open	Circuit Breaker 0603	R0603-WS			1					
SB22	Open	Circuit Breaker 0603	R0603-WS			1					
SB23	Open	Circuit Breaker 0603	R0603-WS			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
SB24	Closed	Circuit Breaker 0603	R0603-WS			1					
SB25	Closed	Circuit Breaker 0603	R0603-WS			1					
SB26	Closed	Circuit Breaker 0603	R0603-WS			1					
SB27	Closed	Circuit Breaker 0603	R0603-WS			1					
SB28	Closed	Circuit Breaker 0603	R0603-WS			1					
SB29	Closed	Circuit Breaker 0603	R0603-WS			1					
SW1	RESET	Switch	PULSANTE1			1					
TP5	VDD_HV_ADC		SIP1			1					
TP6	VDD_HV_IO_Main		SIP1			1					
TP7	VDD_HV_IO_Flex		SIP1			1					
TP8	VDD_LV		SIP1			1					
TP9	BCTRL		SIP1			1					
TP13	BM		SIP1			1					
TP14	GND		SIP1			1					
TP15	BP		SIP1			1					
TP19	3V3		SIP1			1					
TP21	3V3		SIP1			1					
U1	MCP2562FD	High-Speed CAN Transceiver, 8-Pin SOIC, Industrial Temperature	SO-8	Microchip		1	MCP2562FD				
U2	MCP2562FD	High-Speed CAN Transceiver, 8-Pin SOIC, Industrial Temperature	SO-8	Microchip		1	MCP2562FD				
U3	SPC584xx_144		TQFP144 - EXPAD (6X6)	ST MICROELECTRONICS		1					
U4	DP83848CVV	PHYTER® Commercial Temperature Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver, 48-pin LQFP	TQFP48_7X7X1.0_EXPAD 2.4X2.4	National Semiconductor		1	DP83848CVV				
U5	TJA1080A		SSOP20			1					
U11	TJA1020/1021		SO-8			1					
U12	FT2232H		QFP64 - SMALL PADS			1					
X9	GPIO_4x36		IDC37X4			1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
C74	100nF/50V	Capacitor X7R - 0603	C0603-A	Any		1					
C75	100nF/50V	Capacitor X7R - 0603	C0603-A	Any		1					
LD1	Yellow	LED Green	0805 LED	Kingbright		1					
R68	1kΩ	Resistor 0603	R0603-WS	Any		1					
R69	2,2kΩ	Resistor 0603	R0603-WS	Any		1					
X1	40MHz	Crystal	NX5032GA			1					
X3	Header 4 pins	Header, 4-Pin	SIP4	3M		1				Not Assembled	
Y1	7B-12.000MAAJ-T	TXC - 7B-12.000MAAJ-T - XTAL, 12.000MHZ, 18PF, SMD, 5,0X3,2	7B-12.000MAAJ-T	TXC	7B-12.000MAAJ-T	1		FARNELL	1841963RL		
F1	Fuse 1.5A	Fuse	0603	Littelfuse Inc	0603SFF150F/32	1					
R102	10kΩ	Potentiometer	3386F	Bourns	3386F-1-103LF	1		Farnel	9354557		
R103	10kΩ	Potentiometer	3386F	Bourns	3386F-1-103LF	1		Farnel	9354557		
X6	HEADER 4X2		IDC8	3M	30308-6002HB	1					
X7	HEADER 4X2		IDC8	3M	30308-6002HB	1					
X4	JTAG 14-PIN (male)		IDC14	3M	30314-6002HB	1					
X8	JTAG 14-PIN (male)		IDC14	3M	30314-6002HB	1				Not Assembled	
TP1	CAN_1_H		SIP1	3M	929805-01-01-I	1					
TP2	CAN_1_L		SIP1	3M	929805-01-01-I	1					
TP3	CAN_4_H		SIP1	3M	929805-01-01-I	1					
TP4	CAN_4_L		SIP1	3M	929805-01-01-I	1					
TP10	ETH_TX_CLK		SIP1	3M	929805-01-01-I	1					Not Assembled
TP11	25MHz		SIP1	3M	929805-01-01-I	1					Not Assembled
TP12	ETH_RX_CLK		SIP1	3M	929805-01-01-I	1					Not Assembled
TP16	Reset		SIP1	3M	929805-01-01-I	1					Not Assembled
TP17	GND		SIP1	3M	929805-01-01-I	1					Not Assembled
TP18	3V3		SIP1	3M	929805-01-01-I	1					
TP20	5V		SIP1	3M	929805-01-01-I	1					
TP22	3V3_LR		SIP1	3M	929805-01-01-I	1					
TP23	VDC_In		SIP1	3M	929805-01-01-I	1					
TP24	V_Ext		SIP1	3M	929805-01-01-I	1					
TP25	GND		SIP1	3M	929805-01-01-I	1					
TP26	Rx1		SIP1	3M	929805-01-01-I	1					
TP27	Tx1		SIP1	3M	929805-01-01-I	1					
TP28	Rx2		SIP1	3M	929805-01-01-I	1					
TP29	Tx2		SIP1	3M	929805-01-01-I	1					
TP30	GND		SIP1	3M	929805-01-01-I	1					
TP31	LIN		SIP1	3M	929805-01-01-I	1					
TP32	GND		SIP1	3M	929805-01-01-I	1					
TP33	RTCK_I		SIP1	3M	929805-01-01-I	1					Not Assembled
TP34	GND_USB		SIP1	3M	929805-01-01-I	1					
TP35	3V3_USB		SIP1	3M	929805-01-01-I	1					
TP36	ADC_2		SIP1	3M	929805-01-01-I	1					
TP37	ADC_1		SIP1	3M	929805-01-01-I	1					
TP38	LED_2		SIP1	3M	929805-01-01-I	1					
TP39	LED_1		SIP1	3M	929805-01-01-I	1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
TP40	LED_3		SIP1	3M	929805-01-01-I	1					
TP41	SW_2		SIP1	3M	929805-01-01-I	1					
TP42	SW_1		SIP1	3M	929805-01-01-I	1					
TP43	SW_3		SIP1	3M	929805-01-01-I	1					
P1	Header 2	Header, 2-Pin	SIP2	3M	929805-01-02-EU	1				Not Assembled	
P2	Header 2	Header, 2-Pin	SIP2	3M	929805-01-02-EU	1					
JP2	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP4	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP6	SCI_RX_Sel	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP7	SCI_RX_Sel	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP33	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP34	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP35	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP36	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP37	Header 3x1	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP38	LIN Master/Slave	Header, 3-Pin	SIP3	3M	929805-01-03-EU	1					
JP41	4 HEADER	4 Pin Header	SIP4	3M	929805-01-04-EU	1				Not Assembled	
L4	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
L5	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
L6	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
L7	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
L8	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
L9	60ohm-500mA	Inductor	0603	WURTH ELEKTRONIK	74279267	1		FARNELL	1635683		
J3	EDAC A63-113-331P431	EDAC A63-113-331P431	5-1840450-7	EDAC	A63-113-331P431	1			151-1156-ND		
U7	A5973AD		HSOP-8	ST MICROELECTRONIC S	A5973ADTR	1					
U8	A5973AD		HSOP-8	ST MICROELECTRONIC S	A5973ADTR	1					
D3	BAS40	Small Signal Schottky Diode, Single, 40 V, 120 mA, 1 V, 600 mA, 150 °C	SOT-23	NXP	BAS40	1		FARNELL	8734291		
C52	8pF/16V	C0G Ceramic Multilayer Capacitor	C0603-A	TDK	C1608C0G1H100D080AA	1					
C53	8pF/16V	C0G Ceramic Multilayer Capacitor	C0603-A	TDK	C1608C0G1H100D080AA	1					
X5	DC-10A		CON DC10A	CLIFF ELECTRONIC COMPONENTS	DC-10A (FC68148)	1					

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
L1	100uH/1MHz	COMMON MODE CHOKE, 100UH, 0.2A, SMD	DLW43S SERIES	MURATA	DLW43SH101XK2L	1		FARNELL	2470373		
C79	330uF/10V	Polarized Capacitor (Radial)	CAP. 6.3 X 5.4 - SMD	PANASONIC	EEEFTA331XAP	1		FARNELL	2065962		
C85	330uF/10V	Polarized Capacitor (Radial)	CAP. 6.3 X 5.4 - SMD	PANASONIC	EEEFTA331XAP	1		FARNELL	2065962		
LD2	Green	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD5	3V3_LR	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD6	3V3	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD7	5V	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD8	V_Ext	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD9	User_LED_1	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD10	User_LED_2	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD11	User_LED_3	LED Green	0805 LED	Kingbright	KP-1608SGC	1					
LD3	Red	LED Red	0805 LED	Kingbright	KP-1608SRC-PRV	1					
LD4	Red	LED Red	0805 LED	Kingbright	KP-1608SRC-PRV	1					
U9	LD1117A3V3		DPAK	ST MICROELECTRONIC S	LD1117ADT33TR	1		MOUSER	511-LD1117ADT33- TR		
U19	LD1117S33TR		SOT223	ST MICROELECTRONIC S	LD1117S33TR	1		FARNELL	1202826RL		
U18	M93S46-WMN6TP	1K (x16) Serial Microwire Bus EEPROM With Block Protection	SO-8	ST MICROELECTRONIC S	M93S46-WMN6TP	1		MOUSER	511-M93S46- WMN6TP		
X2	NX3225SA- 25.000M-STD-CSR- 3	25MHz ±15ppm Cristalli 8pF 50 Ohm -10°C ~ 75°C Montaggio superficiale (SMD, SMT) 4-SMD, senza piombo (DFN, LCC)	NX3225SA	NDK	NX3225SA- 25.000M-STD-CSR- 3	1		DIGIKEY	644-1267-1-ND		
P4	SAMTEC TFC-110- 31-F-D	Header, 10-Pin, Dual row	TFC-110-31-F-D		SAMTEC TFC-110- 31-F-D	1					
U13	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U14	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U16	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U17	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U20	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U21	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		

Designator	Comment	Description	Footprint	Manufacturer	Manufacturer P/N	Quantity	PartNumber	SUPPLIER	SUPPLIER P/N	Assembly Option	Assembly Note
U22	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U23	SN74LVC1T45DCKR	SN74LVC1T45DCK	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR	1		FARNELL	2412371		
U10	ST3232EBTR	MAX232CEWE	TSSOP16	ST MICROELECTRONICS	ST3232ECTR	1					
U6	STM6315RDW13F	Open Drain Microprocessor Reset	SOT-143	ST MICROELECTRONICS	STM6315RDW13F	1					
U15	USBLC6-2P6	USBLC6-2P6	SOT-666	ST MICROELECTRONICS	USBLC6-2P6	1		FARNELL	1295310RL		
L2	15uH/2A	Fixed Inductors 15uH 0.086ohms 2.5A	VLP6045L SERIES	TDK	VLP6045LT-150M	1		MOUSER	810-VLP6045LT-150M		
L3	33uH/1,5A	Fixed Inductors 33uH 0.155ohms 1,6A	VLP6045L SERIES	TDK	VLP6045LT-330M	1		MOUSER	810-VLP6045LT-330M		