

Bill of Materials

Source Data From:

SPC58EC-DISP

Project:

SPC58EC-DISP

Designator	Description	Comment	Footprint	Manufacturer	Manufacturer P/N	Assembly Option	Quantity
C1	Capacitor	47pF/16V	C0603-A				1
C10	Capacitor	100nF/50V	C0603-A				1
C100	Capacitor	100nF/50V	C0603-A				1
C101	Capacitor	18pF/16V	C0603-A				1
C102	Capacitor	18pF/16V	C0603-A				1
C103	Capacitor	100nF/50V	C0603-A				1
C104	Capacitor	100nF/50V	C0603-A				1
C105	Capacitor	100nF/50V	C0603-A				1
C106	Capacitor	10uF/16V	C1206-A				1
C107	Capacitor	100nF/50V	C0603-A				1
C108	Capacitor	4.7uF/16V	C1206-A				1
C109	Capacitor	100nF/50V	C0603-A				1
C11	Capacitor	4.7nF/16V	C0603-A				1
C110	Capacitor	4.7uF/16V	C1206-A				1
C111	Capacitor	100nF/50V	C0603-A				1
C112	Capacitor	100nF/50V	C0603-A				1
C113	Capacitor	100nF/50V	C0603-A				1
C114	Capacitor	3.3uF/16V	C0805-A				1
C115	Capacitor	100nF/50V	C0603-A				1
C116	Capacitor	100nF/50V	C0603-A				1
C117	Capacitor	100nF/50V	C0603-A				1
C118	Capacitor	100nF/50V	C0603-A				1
C119	Capacitor	100nF/50V	C0603-A				1
C12	Capacitor	4.7nF/16V	C0603-A				1
C120	Capacitor	100nF/50V	C0603-A				1
C121	Capacitor	100nF/50V	C0603-A				1
C122	Capacitor	100nF/50V	C0603-A				1
C123	Capacitor	100nF/50V	C0603-A				1
C124	Capacitor	100nF/50V	C0603-A				1
C125	Capacitor	100nF/50V	C0603-A				1
C126	Capacitor	100nF/50V	C0603-A				1
C127	Capacitor	100nF/50V	C0603-A				1
C128	Capacitor	100nF/50V	C0603-A				1
C129	Capacitor	100nF/50V	C0603-A				1
C13	Capacitor	1.5uF/16V	C0805-A				1
C130	Capacitor	100nF/50V	C0603-A				1
C131	Capacitor	100nF/50V	C0603-A				1
C132	Capacitor	10uF/16V	C1206-A				1
C133	Capacitor	100nF/50V	C0603-A				1
C134	Capacitor	100nF/50V	C0603-A				1
C14	Capacitor	100nF/50V	C0603-A				1
C15	Capacitor	10nF/16V	C0603-A				1
C16	Capacitor	1.5uF/16V	C0805-A				1
C17	Capacitor	100nF/50V	C0603-A				1
C18	Capacitor	10nF/16V	C0603-A				1
C19	Capacitor	100nF/50V	C0603-A				1
C2	Capacitor	47pF/16V	C0603-A				1
C20	Capacitor	10nF/16V	C0603-A				1
C21	Capacitor	100nF/50V	C0603-A				1
C22	Capacitor	10nF/16V	C0603-A				1
C23	Capacitor	100nF/50V	C0603-A				1
C24	Capacitor	10nF/16V	C0603-A				1
C25	Capacitor	100nF/50V	C0603-A				1
C26	Capacitor	10nF/16V	C0603-A				1

C27	Capacitor	100nF/50V	C0603-A				1
C28	Capacitor	10nF/16V	C0603-A				1
C29	Capacitor	100nF/50V	C0603-A				1
C3	Capacitor	100nF/50V	C0603-A				1
C30	Capacitor	10nF/16V	C0603-A				1
C31	Capacitor	10nF/16V	C0603-A				1
C32	Capacitor	2.2uF/16V	C1206-A				1
C33	Capacitor	100nF/50V	C0603-A				1
C34	Capacitor	10nF/16V	C0603-A				1
C35	Capacitor	47nF/16V	C0603-A				1
C36	Capacitor	10nF/16V	C0603-A				1
C37	Capacitor	47nF/16V	C0603-A				1
C38	Capacitor	10nF/16V	C0603-A				1
C39	Capacitor	47nF/16V	C0603-A				1
C4	Capacitor	100nF/50V	C0603-A				1
C40	Capacitor	10nF/16V	C0603-A				1
C41	Capacitor	47nF/16V	C0603-A				1
C42	Capacitor	10nF/16V	C0603-A				1
C43	Capacitor	2.2uF/16V	C1206-A				1
C44	Capacitor	100nF/50V	C0603-A				1
C45	Capacitor	10nF/16V	C0603-A				1
C46	Capacitor	2.2uF/16V	C1206-A				1
C47	Capacitor	100nF/50V	C0603-A				1
C48	Capacitor	10nF/16V	C0603-A				1
C49	Capacitor	4.7uF/16V	C1206-A				1
C5	Capacitor	4.7nF/16V	C0603-A				1
C50	Capacitor	100nF/50V	C0603-A				1
C51	Capacitor	10nF/16V	C0603-A				1
C52	C0G Ceramic Multilayer Capacitor	8pF/16V	C0603-A	TDK		C1608C0G1H100D080AA	1
C53	C0G Ceramic Multilayer Capacitor	8pF/16V	C0603-A	TDK		C1608C0G1H100D080AA	1
C54	Capacitor	100nF/50V	C0603-A				1
C55	Capacitor	100nF/50V	C0603-A				1
C56	Capacitor	100nF/50V	C0603-A				1
C57	Capacitor	100nF/50V	C0603-A				1
C58	Capacitor	10uF/16V	C1206-A				1
C59	Capacitor	100nF/50V	C0603-A				1
C6	Capacitor	4.7nF/16V	C0603-A				1
C60	Capacitor	10uF/16V	C1206-A				1
C61	Capacitor	100nF/50V	C0603-A				1
C62	Capacitor	100nF/50V	C0603-A				1
C63	C0G Ceramic Multilayer Capacitor	8pF/16V	C0603-A				1
C64	C0G Ceramic Multilayer Capacitor	8pF/16V	C0603-A				1
C65	Capacitor	100nF/50V	C0603-A				1
C66	Capacitor	100nF/50V	C0603-A				1
C67	Capacitor	100nF/50V	C0603-A				1
C68	Capacitor	10pF/16V	C0603-A				1
C69	Capacitor	4.7nF/16V	C0603-A				1
C7	Capacitor	47pF/16V	C0603-A				1
C70	Capacitor	10pF/16V	C0603-A				1
C71	Capacitor	100nF/50V	C0603-A				1
C72	Capacitor	27pF/16V	C0603-A				1
C73	Capacitor	47pF/16V	C0603-A			Not Assembled	1
C74	Capacitor X7R - 0603	100nF/50V	C0603-A	Any			1
C75	Capacitor X7R - 0603	100nF/50V	C0603-A	Any			1
C76	Capacitor	10uF/50V	C1206-A				1
C77	Capacitor	100nF/50V	C0603-A				1
C78	Capacitor	22nF/50V	C0603-A				1
C79	Polarized Capacitor (Radial)	330uF/10V	CAP. 6.3 X 5.4 - SMD	PANASONIC		EEEFTA331XAP	1
C8	Capacitor	47pF/16V	C0603-A				1

C80	Capacitor	100nF/50V	C0603-A				1
C81	Capacitor	220pF/50V	C0603-A				1
C82	Capacitor	10uF/50V	C1206-A				1
C83	Capacitor	100nF/50V	C0603-A				1
C84	Capacitor	22nF/50V	C0603-A				1
C85	Polarized Capacitor (Radial)	330uF/10V	CAP. 6.3 X 5.4 - SMD	PANASONIC	EEEEFTA331XAP		1
C86	Capacitor	100nF/50V	C0603-A				1
C87	Capacitor	220pF/50V	C0603-A				1
C88	Capacitor	100nF/50V	C0603-A				1
C89	Capacitor	100nF/50V	C0603-A				1
C9	Capacitor	100nF/50V	C0603-A				1
C90	Capacitor	4,7uF/16V	C1206-A				1
C91	Capacitor	100nF/50V	C0603-A				1
C92	Capacitor	4,7uF/16V	C1206-A				1
C93	Capacitor	100nF/50V	C0603-A				1
C94	Capacitor	470nF/16V	C0603-A				1
C95	Capacitor	470nF/16V	C0603-A				1
C96	Capacitor	470nF/16V	C0603-A				1
C97	Capacitor	100nF/50V	C0603-A				1
C98	Capacitor	1nF/16V	C0603-A				1
C99	Capacitor	220pF/16V	C0603-A				1
CN1	Receptacle Assembly, 9 Position, Right Angle, Military	D-SUB 9 WAY FEMALE	DB9F SLOT				1
D1	Default Diode	STPS340U	DO-214AA				1
D2	Default Diode	STPS340U	DO-214AA				1
D3	Small Signal Schottky Diode, Single, 40 V, 120 mA, 1 V, 600 mA, 150 °C	BAS40	SOT-23	NXP	BAS40		1
D4	Diodo LED	LED - Green	0805 LED				1
D5	Diodo LED	LED - Green	0805 LED				1
D6	Diodo LED	LED - Green	0805 LED				1
D7	Diodo LED	LED - GREEN	0805 LED				1
D8	Diodo LED	LED - GREEN	0805 LED				1
F1	Fuse	Fuse 1.5A	0603	Littelfuse Inc	0603SFF150F/32		1
J1	Receptacle Assembly, 9 Position, Right Angle, Military	D-SUB 9 WAY FEMALE	DB9F SLOT				1
J2	Receptacle Assembly, 9 Position, Right Angle, Military	D-SUB 9 WAY FEMALE	DB9F SLOT				1
J3	EDAC A63-113-331P431	EDAC A63-113-331P431	5-1840450-7	EDAC	A63-113-331P431		1
JP1	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP2	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP27	Jumper 1x2.54_OPEN	Open	SIP2			Open	1
JP28	Jumper 1x2.54_CLOSED	Open	SIP2			Open	1
JP29	Jumper 1x2.54_CLOSED	Open	SIP2			Open	1
JP3	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP30	Jumper 1x2.54_CLOSED	Open	SIP2			Open	1
JP31	Jumper 1x2.54_CLOSED	Open	SIP2			Open	1
JP32	Jumper 1x2.54_OPEN	Open	SIP2			Open	1
JP33	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP34	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP35	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP36	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP37	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP38	Header, 3-Pin	LIN Master/Slave	SIP3	3M	929805-01-03-EU		1
JP39	Jumper 1x2.54_OPEN	Open	SIP2			Open	1
JP4	Header, 3-Pin	Header 3x1	SIP3	3M	929805-01-03-EU		1
JP40	Jumper Wire	Close	R0603-WS			Closed	1
JP41	4 Pin Header	4 HEADER	SIP4	3M	929805-01-04-EU	Not Assembled	1
JP42	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP43	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP44	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1

JP45	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP46	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP47	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP48	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP49	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP5	Terminali e capicorda 2.54mm CGrid Hdr Shr d /Sit .76AuLF 44Ck	70246-4402	70246-4402	MOLEX		70246-4402	1
JP50	Jumper 1x2.54_CLOSED	Closed	SIP2			Closed	1
JP6	Header, 3-Pin	SCI_RX_Sel	SIP3	3M		929805-01-03-EU	1
JP7	Header, 3-Pin	SCI_RX_Sel	SIP3	3M		929805-01-03-EU	1
L1	COMMON MODE CHOKE, 100uH, 0.2A, SMD	100uH/1MHz	DLW43S SERIES	MURATA		DLW43SH101XK2L	1
L2	Fixed Inductors 15uH 0.086ohms 2.5A	15uH/2A	VLP6045L SERIES	TDK		VLP6045LT-150M	1
L3	Fixed Inductors 33uH 0.155ohms 1.6A	33uH/1,5A	VLP6045L SERIES	TDK		VLP6045LT-330M	1
L4	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
L5	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
L6	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
L7	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
L8	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
L9	Inductor	60ohm-500mA	0603	WURTH ELEKTRONIK		74279267	1
LD1	LED Green	Yellow	0805 LED	Kingbright			1
LD10	LED Green	User_LED_2	0805 LED	Kingbright		KP-1608SGC	1
LD11	LED Green	User_LED_3	0805 LED	Kingbright		KP-1608SGC	1
LD2	LED Green	Green	0805 LED	Kingbright		KP-1608SGC	1
LD3	LED Red	Red	0805 LED	Kingbright		KP-1608SRC-PRV	1
LD4	LED Red	Red	0805 LED	Kingbright		KP-1608SRC-PRV	1
LD5	LED Green	3V3_LR	0805 LED	Kingbright		KP-1608SGC	1
LD6	LED Green	3V3	0805 LED	Kingbright		KP-1608SGC	1
LD7	LED Green	5V	0805 LED	Kingbright		KP-1608SGC	1
LD8	LED Green	V_Ext	0805 LED	Kingbright		KP-1608SGC	1
LD9	LED Green	User_LED_1	0805 LED	Kingbright		KP-1608SGC	1
P1	Header, 2-Pin	Header 2	SIP2	3M		929805-01-02-EU	Not Assembled
P2	Header, 2-Pin	Header 2	SIP2	3M		929805-01-02-EU	1
P3	USB-MINI_B	USB_MINI_B	MINI USB MOLEX				1
P4	Header, 10-Pin, Dual row	SAMTEC TFC-110-31-F-D	HDR2X10			SAMTEC TFC-110-31-F-D	1
Q1	NPN Bipolar Transistor	BCP68	SOT223				1
R1	Resistor	00	R0603-WS				1
R10	Resistor	22O	R0603-WS				1
R100	Resistor	470O	R0603-WS				1
R101	Resistor	00	R0603-WS				1
R102	Potentiometer	10kO	3386F	Bourns		3386F-1-103LF	1
R103	Potentiometer	10kO	3386F	Bourns		3386F-1-103LF	1
R104	Resistor	1kO	R0603-WS				1
R105	Resistor	10kO	R0603-WS				1
R106	Resistor	10kO	R0603-WS				1
R107	Resistor	10kO	R0603-WS				1
R108	Resistor	1kO	R0603-WS				1
R109	Resistor	1kO	R0603-WS				1
R11	Resistor	10kO	R0603-WS				1
R110	Resistor	2.2kO	R0603-WS				1
R111	Resistor	2.2kO	R0603-WS				1
R112	Resistor	2.2kO	R0603-WS				1
R113	Resistor	2.2kO	R0603-WS				1
R114	Resistor	2.2kO	R0603-WS				1
R115	Resistor	2.2kO	R0603-WS				1
R116	Resistor	2.2kO	R0603-WS				1
R117	Resistor	2.2kO	R0603-WS				1
R118	Resistor	22kO	R0603-WS				1
R119	Resistor	2.2kO	R0603-WS				1

R12	Resistor	60.4O	R0603-WS				1
R120	Resistor	2.2kO	R0603-WS				1
R121	Resistor	2.2kO	R0603-WS				1
R122	Resistor	0R	R0603-WS				1
R123	Resistor	1k	R0603-WS			Not Assembled	1
R13	Resistor	60.4O	R0603-WS				1
R14	Resistor	100O	R0603-WS				1
R15	Resistor	0O	R0603-WS				1
R16	Resistor	10kO	R0603-WS			Not Assembled	1
R17	Resistor	4.7kO	R0603-WS				1
R18	Resistor	10kO	R0603-WS				1
R19	Resistor	220O	R0603-WS				1
R2	Resistor	22O	R0603-WS				1
R20	Resistor	220O	R0603-WS				1
R21	Resistor	220O	R0603-WS				1
R22	Resistor	2.2kO	R0603-WS				1
R23	Resistor	2.2kO	R0603-WS				1
R24	Resistor	2.2kO	R0603-WS				1
R25	Resistor	330O	R0603-WS				1
R26	Resistor	330O	R0603-WS				1
R27	Resistor	1.5kO	R0603-WS				1
R28	Resistor	4.7kO	R0603-WS				1
R29	Resistor	49.9O	R0603-WS				1
R3	Resistor	22O	R0603-WS				1
R30	Resistor	49.9O	R0603-WS				1
R31	Resistor	49.9O	R0603-WS				1
R32	Resistor	49.9O	R0603-WS				1
R33	Resistor	4.7kO	R0603-WS				1
R34	Resistor	0O	R0603-WS				1
R35	Resistor	0O	R0603-WS				1
R36	Resistor	22O	R0603-WS				1
R37	Resistor	22O	R0603-WS				1
R38	Resistor	22O	R0603-WS				1
R39	Resistor	22O	R0603-WS				1
R4	Resistor	10kO	R0603-WS				1
R40	Resistor	22O	R0603-WS				1
R41	Resistor	22O	R0603-WS				1
R42	Resistor	0O	R0603-WS				1
R43	Resistor	0O	R0603-WS				1
R44	Resistor	4.87kO	R0603-WS				1
R45	Resistor	22O	R0603-WS				1
R46	Resistor	22O	R0603-WS				1
R47	Resistor	22O	R0603-WS				1
R48	Resistor	22O	R0603-WS				1
R49	Resistor	22O	R0603-WS				1
R5	Resistor	60.4O	R0603-WS				1
R50	Resistor	22O	R0603-WS				1
R51	Resistor	22O	R0603-WS				1
R52	Resistor	2.2kO	R0603-WS				1
R53	Resistor	2.2kO	R0603-WS				1
R54	Resistor	22O	R0603-WS				1
R55	Resistor	22O	R0603-WS				1
R56	Resistor	47O	R0603-WS				1
R57	Resistor	3.3kO	R0603-WS				1
R58	Resistor	3.3kO	R0603-WS				1
R59	Resistor	3.3kO	R0603-WS				1
R6	Resistor	60.4O	R0603-WS				1
R60	Resistor	47O	R0603-WS				1
R61	Resistor	4.7kO	R0603-WS				1
R62	Resistor	0O	R0603-WS			Not Assembled	1
R63	Resistor	0O	R0603-WS			Not Assembled	1
R64	Resistor	4.7kO	R0603-WS				1
R65	Resistor	4.7kO	R0603-WS				1

R66	Resistor	10kO	R0603-WS			Not Assembled	1
R67	Resistor	10kO	R0603-WS				1
R68	Resistor 0603	1kO	R0603-WS	Any			1
R69	Resistor 0603	2,2kO	R0603-WS	Any			1
R7	Resistor	100O	R0603-WS				1
R70	Resistor	5,6kO	R0603-WS				1
R71	Resistor	3,3kO	R0603-WS				1
R72	Resistor	4,7kO	R0603-WS				1
R73	Resistor	10kO	R0603-WS				1
R74	Resistor	3,3kO	R0603-WS				1
R75	Resistor	4,7kO	R0603-WS				1
R76	Resistor	470O	R0603-WS				1
R77	Resistor	470O	R0603-WS				1
R78	Resistor	1kO	R0603-WS				1
R79	Resistor	2,2kO	R0603-WS				1
R8	Resistor	0O	R0603-WS				1
R80	Resistor	10kO	R0603-WS				1
R81	Resistor	10kO	R0603-WS				1
R82	Resistor	10kO	R0603-WS				1
R83	Resistor	12kO	R0603-WS				1
R84	Resistor	10O	R0603-WS				1
R85	Resistor	10O	R0603-WS				1
R86	Resistor	1kO	R0603-WS				1
R87	Resistor	0O	R0603-WS			Not Assembled	1
R88	Resistor	470O	R0603-WS				1
R89	Resistor	4,7kO	R0603-WS				1
R9	Resistor	22O	R0603-WS				1
R90	Resistor	4,7kO	R0603-WS				1
R91	Resistor	470O	R0603-WS				1
R92	Resistor	2,2kO	R0603-WS				1
R93	Resistor	470O	R0603-WS				1
R94	Resistor	4,7kO	R0603-WS				1
R95	Resistor	0O	R0603-WS			Not Assembled	1
R96	Resistor	0O	R0603-WS			Not Assembled	1
R97	Resistor	4,7kO	R0603-WS				1
R98	Resistor	4,7kO	R0603-WS				1
R99	Resistor	470O	R0603-WS				1
S1		SWITCH	SWITCH C.S. MFP211N				1
S2	Switch	SW_3	PULSANTE1				1
S3	Switch	SW_2	PULSANTE1				1
S4	Switch	SW_1	PULSANTE1				1
SB1	Circuit Breaker 0603	Closed	R0603-WS				1
SB10	Circuit Breaker 0603	Closed	R0603-WS				1
SB11	Circuit Breaker 0603	Closed	R0603-WS				1
SB12	Circuit Breaker 0603	Closed	R0603-WS				1
SB13	Circuit Breaker 0603	Closed	R0603-WS				1
SB14	Circuit Breaker 0603	Closed	R0603-WS				1
SB15	Circuit Breaker 0603	Open	R0603-WS				1
SB16	Circuit Breaker 0603	Open	R0603-WS				1
SB17	Circuit Breaker 0603	Closed	R0603-WS				1
SB18	Circuit Breaker 0603	Open	R0603-WS				1
SB19	Circuit Breaker 0603	Closed	R0603-WS				1
SB2	Circuit Breaker 0603	Closed	R0603-WS				1
SB20	Circuit Breaker 0603	Closed	R0603-WS				1
SB21	Circuit Breaker 0603	Open	R0603-WS				1
SB22	Circuit Breaker 0603	Open	R0603-WS				1
SB23	Circuit Breaker 0603	Open	R0603-WS				1
SB24	Circuit Breaker 0603	Closed	R0603-WS				1
SB25	Circuit Breaker 0603	Closed	R0603-WS				1
SB26	Circuit Breaker 0603	Closed	R0603-WS				1
SB27	Circuit Breaker 0603	Closed	R0603-WS				1
SB28	Circuit Breaker 0603	Closed	R0603-WS				1
SB29	Circuit Breaker 0603	Closed	R0603-WS				1

SB3	Circuit Breaker 0603	Closed	R0603-WS				1
SB4	Circuit Breaker 0603	Closed	R0603-WS				1
SB5	Circuit Breaker 0603	Open	R0603-WS				1
SB6	Circuit Breaker 0603	Closed	R0603-WS				1
SB7	Circuit Breaker 0603	Closed	R0603-WS				1
SB8	Circuit Breaker 0603	Closed	R0603-WS				1
SB9	Circuit Breaker 0603	Closed	R0603-WS				1
SW1	Switch	RESET	PULSANTE1				1
TP1		CAN_1_H	SIP1	3M	929805-01-01-I		1
TP10		ETH_TX_CLK	SIP1	3M	929805-01-01-I		1
TP11		25MHz	SIP1	3M	929805-01-01-I		1
TP12		ETH_RX_CLK	SIP1	3M	929805-01-01-I		1
TP13		BM	SIP1				1
TP14		GND	SIP1				1
TP15		BP	SIP1				1
TP16		Reset	SIP1	3M	929805-01-01-I		1
TP17		GND	SIP1	3M	929805-01-01-I		1
TP18		3V3	SIP1	3M	929805-01-01-I		1
TP19		3V3	SIP1				1
TP2		CAN_1_L	SIP1	3M	929805-01-01-I		1
TP20		5V	SIP1	3M	929805-01-01-I		1
TP21		3V3	SIP1				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
TP3		CAN_4_H	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
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
TP4		CAN_4_L	SIP1	3M	929805-01-01-I		1
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
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
U1	High-Speed CAN Transceiver, 8-Pin SOIC, Industrial Temperature	MCP2562FD	SO-8	Microchip			1
U10	MAX232CEWE	ST3232EBTR	TSSOP16	ST MICROELECTRONICS	ST3232ECTR		1
U11		TJA1020/1021	SO-8				1
U12		FT2232H	QFP64 - SMALL PADS				1
U13	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U14	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U15	USBLC6-2P6	USBLC6-2P6	SOT-666	ST MICROELECTRONICS	USBLC6-2P6		1

U16	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U17	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U18	1K (x16) Serial Microwire Bus EEPROM With Block Protection	M93S46-WMN6TP	SO-8	ST MICROELECTRONICS	M93S46-WMN6TP		1
U19		LD1117S33TR	SOT223	ST MICROELECTRONICS	LD1117S33TR		1
U2	High-Speed CAN Transceiver, 8-Pin SOIC, Industrial Temperature	MCP2562FD	SO-8	Microchip			1
U20	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U21	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U22	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U23	SN74LVC1T45DCK	SN74LVC1T45DCKR	SC-70	TEXAS INSTRUMENTS	SN74LVC1T45DCKR		1
U3		SPC584xx_144	TQFP144 - EXPAD (6X6)	ST MICROELECTRONICS			1
U4	PHYTER® Commercial Temperature Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver, 48-pin LQFP	DP83848CVV	TQFP48_7X7X1.0_EXPAD 2.4X2.4	National Semiconductor			1
U5		TJA1080A	SSOP20				1
U6	Open Drain Microprocessor Reset	STM6315RDW13F	SOT-143	ST MICROELECTRONICS	STM6315RDW13F		1
U7		A5973AD	HSOP-8	ST MICROELECTRONICS	A5973ADTR		1
U8		A5973AD	HSOP-8	ST MICROELECTRONICS	A5973ADTR		1
U9		LD1117A3V3	DPAK	ST MICROELECTRONICS	LD1117ADT33TR		1
X1	Crystal	40MHz	NX5032GA				1
X2	25MHz ±15ppm Cristalli 8pF 50 Ohm -10°C - 75°C Montaggio superficiale (SMD, SMT) 4-SMD, senza piombo (DFN, LCC)	NX3225SA-25.000M-STD-CSR-3	NX3225SA	NDK	NX3225SA-25.000M-STD-CSR-3		1
X3	Header, 4-Pin	Header 4 pins	SIP4	3M		Not Assembled	1
X4		JTAG 14-PIN (male)	IDC14	3M	30314-6002HB		1
X5		DC-10A	CON DC10A	CLIFF ELECTRONIC COMPONENTS	DC-10A (FC68148)		1
X6		HEADER 4X2	IDC8	3M	30308-6002HB		1
X7		HEADER 4X2	IDC8	3M	30308-6002HB		1
X8		JTAG 14-PIN (male)	IDC14	3M	30314-6002HB	Not Assembled	1
X9		GPIO_4x36	IDC37X4				1
Y1	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

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Approved	Notes