

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
47uF	47uF Electrolytic capacitor	C1	1	CES D 6.3x5.4 RM7.8		47uF
220nF	220nF Ceramic capacitor	C2	1	C0805		220nF
220nF	220nF Ceramic capacitor	C3	1	C0805		220nF
470nF	470nF Ceramic capacitor	C4	1	C0805		470nF
10uF	10uF Electrolytic capacitor	C5	1	CES D 6.3x5.4 RM7.8		10uF
5.6pF	Ceramic capacitor with undetermined value	C6	1	C0805		5.6pF
Not Assembled	Ceramic capacitor with undetermined value	C7	1	C0805		TBD
22uF		C8	1	CTS B		
18pf	Ceramic capacitor with undetermined value	C9	1	C0805		18pF
470nF	470nF Ceramic capacitor	C10	1	C0805		470nF
68nF	68nF Ceramic capacitor	C11	1	C0805		68nF
10nF	10nF Ceramic capacitor	C12	1	C0805		10nF
330pf	Ceramic capacitor with undetermined value	C13	1	C0805		330pF
470nF	470nF Ceramic capacitor	C14	1	C0805		470nF
10uF	10uF Electrolytic capacitor	C15	1	CES D 6.3x5.4 RM7.8		10uF
6.8pf	Ceramic capacitor with undetermined value	C16	1	C0805		6.8pF
Not Assembled	Ceramic capacitor with undetermined value	C17	1	C0805		TBD
33uF		C18	1	CTS B		
33pf	Ceramic capacitor with undetermined value	C19	1	C0805		33pF
470nF	470nF Ceramic capacitor	C20	1	C0805		470nF
68nF	68nF Ceramic capacitor	C21	1	C0805		68nF
10nF	10nF Ceramic capacitor	C22	1	C0805		10nF
560pf	Ceramic capacitor with undetermined value	C23	1	C0805		560pF
2,2uF	2,2uF Ceramic capacitor	C100	1	C1210		2,2uF
27pf	Ceramic capacitor with undetermined value	C101	1	C0805		27pF
2,2uF	2,2uF Ceramic capacitor	C102	1	C0805		2,2uF
4,7uF	4,7uF Ceramic capacitor	C103	1	C0805		4,7uF
10nF	10nF Ceramic capacitor	C104	1	C0805		10nF
4,7uF	4,7uF Ceramic capacitor	C105	1	C0805		4,7uF
100nF	100nF Ceramic capacitor	C106	1	C0805		100nF
100nF	100nF Ceramic capacitor	C107	1	C0805		100nF
2,2uF	2,2uF Ceramic capacitor	C108	1	C1210		2,2uF

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
100nF	100nF Ceramic capacitor	C109	1	C0805		100nF
100nF	100nF Ceramic capacitor	C110	1	C0805		100nF
47nF	47nF Ceramic capacitor	C111	1	C0805		47nF
2,2uF	2,2uF Ceramic capacitor	C112	1	C0805		2,2uF
2,2uF	2,2uF Ceramic capacitor	C113	1	C0805		2,2uF
47nF	47nF Ceramic capacitor	C114	1	C0805		47nF
4,7uF	4,7uF Ceramic capacitor	C115	1	C0805		4,7uF
100nF	100nF Ceramic capacitor	C116	1	C0805		100nF
100nF	100nF Ceramic capacitor	C117	1	C0805		100nF
10pF	10pF Ceramic capacitor	C118	1	C0805		10pF
10pF	10pF Ceramic capacitor	C119	1	C0805		10pF
100nF	100nF Ceramic capacitor	C120	1	C0805		100nF
100nF	100nF Ceramic capacitor	C121	1	C0805		100nF
4,7uF	4,7uF Ceramic capacitor	C122	1	C0805		4,7uF
47nF	47nF Ceramic capacitor	C123	1	C0805		47nF
2,2uF	2,2uF Ceramic capacitor	C124	1	C0805		2,2uF
2,2uF	2,2uF Ceramic capacitor	C125	1	C0805		2,2uF
100nF	100nF Ceramic capacitor	C126	1	C0805		100nF
100nF	100nF Ceramic capacitor	C127	1	C0805		100nF
2,2uF	2,2uF Ceramic capacitor	C128	1	C0805		2,2uF
47nF	47nF Ceramic capacitor	C129	1	C0805		47nF
100nF	100nF Ceramic capacitor	C130	1	C0805		100nF
4,7uF	4,7uF Ceramic capacitor	C131	1	C0805		4,7uF
100nF	100nF Ceramic capacitor	C200	1	C0805		100nF
100nF	100nF Ceramic capacitor	C201	1	C0805		100nF
100nF	100nF Ceramic capacitor	C202	1	C0805		100nF
10uF	10uF Tantalum capacitor	C203	1	C1206/polarized		10uF
100nF	100nF Ceramic capacitor	C204	1	C0805		100nF
100nF	100nF Ceramic capacitor	C205	1	C0805		100nF
100nF	100nF Ceramic capacitor	C206	1	C0805		100nF
100nF	100nF Ceramic capacitor	C207	1	C0805		100nF
100nF	100nF Ceramic capacitor	C208	1	C0805		100nF

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
100nF	100nF Ceramic capacitor	C209	1	C0805		100nF
100nF	100nF Ceramic capacitor	C210	1	C0805		100nF
10uF	10uF Tantalum capacitor	C211	1	C1206/polarized		10uF
33pF	6pF Ceramic capacitor	C212	1	C0805		6pF
33pF	6pF Ceramic capacitor	C213	1	C0805		6pF
100nF	100nF Ceramic capacitor	C214	1	C0805		100nF
100nF	100nF Ceramic capacitor	C215	1	C0805		100nF
100nF	100nF Ceramic capacitor	C216	1	C0805		100nF
10uF	10uF Tantalum capacitor	C217	1	C1206/polarized		10uF
100nF	100nF Ceramic capacitor	C218	1	C0805		100nF
100nF	100nF Ceramic capacitor	C219	1	C0805		100nF
100nF	100nF Ceramic capacitor	C220	1	C0805		100nF
100nF	100nF Ceramic capacitor	C221	1	C0805		100nF
100nF	100nF Ceramic capacitor	C222	1	C0805		100nF
100nF	100nF Ceramic capacitor	C223	1	C0805		100nF
100nF	100nF Ceramic capacitor	C224	1	C0805		100nF
10uF	10uF Tantalum capacitor	C225	1	C1206/polarized		10uF
33pF	6pF Ceramic capacitor	C226	1	C0805		6pF
33pF	6pF Ceramic capacitor	C227	1	C0805		6pF
TBD_0805	Ceramic capacitor with undetermined value	C300	1	C0805	Not Assembled	TBD
100nF	100nF Ceramic capacitor	C301	1	C0805		100nF
TBD_0805	Ceramic capacitor with undetermined value	C302	1	C0805	Not Assembled	TBD
100nF	100nF Ceramic capacitor	C303	1	C0805		100nF
100nF	100nF Ceramic capacitor	C304	1	C0805		100nF
4n7	4,7nF Ceramic capacitor	C305	1	C0805		4,7nF
STPS2H100A		D1	1	SMAJ		
PWR 2.1mm	Low Voltage Power Supply Connector	J1	1	KLD-0202	Not Assembled	
TP_12V_P		J2	1	PIN	Not assembled	
TP_5V		J3	1	PIN	Not Assembled	
CON_2		J4	1	ARK_500/2		
TP_3V3		J5	1	PIN	Not Assembled	
GND		J7	1	PIN	Assembled	

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
GND		J8	1	PIN	Not Assembled	
GND		J9	1	PIN	Not Assembled	
GND		J10	1	PIN	Not Assembled	
GND		J11	1	PIN	Not Assembled	
GND		J12	1	PIN	Not Assembled	
TP_1V2		J13	1	PIN	Not Assembled	
JTAG_PPC		J100	1	MLW14		
PIN	Simple pin (for 2,54mm pitch array)	J101	1	PIN	Not Assembled	Pin
PIN	Simple pin (for 2,54mm pitch array)	J102	1	PIN	Not Assembled	Pin
Reset		J103	1	PIN	Not Assembled	
PIN	Simple pin (for 2,54mm pitch array)	J104	1	PIN	Not Assembled	Pin
PIN		J200	1	PIN	Not Assembled	
PIN		J201	1	PIN	Not Assembled	
PIN		J202	1	PIN	Not Assembled	
PIN		J203	1	PIN	Not Assembled	
PIN		J204	1	PIN	Not Assembled	
PIN		J205	1	PIN	Not Assembled	
PIN		J206	1	PIN	Not Assembled	
PIN		J207	1	PIN	Not Assembled	
PIN		J208	1	PIN	Not Assembled	
PIN		J209	1	PIN	Not Assembled	
PIN		J210	1	PIN	Not Assembled	
PIN		J211	1	PIN	Not Assembled	
PIN		J212	1	PIN	Not Assembled	
PIN		J213	1	PIN	Not Assembled	
PIN		J214	1	PIN	Not Assembled	
PIN		J215	1	PIN	Not Assembled	
PIN		J216	1	PIN	Not Assembled	
PIN		J217	1	PIN	Not Assembled	
PIN		J218	1	PIN	Not Assembled	
PIN		J219	1	PIN	Not Assembled	
PIN		J220	1	PIN	Not Assembled	

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
PIN		J221	1	PIN	Not Assembled	
PIN		J222	1	PIN	Not Assembled	
PIN		J223	1	PIN	Not Assembled	
PIN		J224	1	PIN	Not Assembled	
PIN		J225	1	PIN	Not Assembled	
PIN		J226	1	PIN	Not Assembled	
PIN		J227	1	PIN	Not Assembled	
PIN		J228	1	PIN	Not Assembled	
PIN		J229	1	PIN	Not Assembled	
PIN		J230	1	PIN	Not Assembled	
PIN		J231	1	PIN	Not Assembled	
PIN		J232	1	PIN	Not Assembled	
PIN		J233	1	PIN	Not Assembled	
CAN_ERR		J300	1	PIN	Not Assembled	
CAN_STBY		J301	1	PIN	Not Assembled	
CAN_TX		J302	1	PIN	Not Assembled	
CAN_RX		J303	1	PIN	Not Assembled	
CAN_EN		J304	1	PIN	Not Assembled	
Cannon 9M	Socket Assembly, 9 Position, Right Angle	J305	1	DSUB_9M		
CAN_L		J306	1	PIN	Assembled	
CAN_H		J307	1	PIN	Assembled	
CAN_WK		J308	1	PIN	Not Assembled	
DIP_4PIN		J309	1	DIL8		
TP1		J310	1	PIN	Not Assembled	
TP2		J311	1	PIN	Not Assembled	
TP3		J312	1	PIN	Not Assembled	
TP4		J313	1	PIN	Not Assembled	
Disable 3V3		JP2	1	JUMP_2	Open	
Disable 1V2		JP3	1	JUMP_2	Open	
		JP100	1	R0805_SHORTABLE	Shunt	
JUMP_3_PIN		JP101	1	R0805_SHORTABLE_3_PIN	Shunt: 1-2	
JUMP_3_PIN		JP102	1	R0805_SHORTABLE_3_PIN	Shunt: 1-3	

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
ETHERNET_A_EN		JP200	1	R0805_SHORTABLE/jumper	Shunt	
clkOut		JP201	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
ETH_A_RST		JP202	1	R0805_SHORTABLE/jumper	Shunt	
MDC share		JP203	1	JUMP_3	Shunt 1-2	
MDIO share		JP204	1	JUMP_3	Shunt 1-2	
MII/RMII_A		JP205	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
ETHERNET_B_EN		JP206	1	R0805_SHORTABLE/jumper	Shunt	
ETH_B_RST		JP207	1	R0805_SHORTABLE/jumper	Shunt	
clkOut		JP208	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
MII/RMII_B		JP209	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
clkOut		JP210	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
clkOut		JP211	1	R0805_SHORTABLE_SWITCH/3JUMPER	Shunt 1-2	
CAN_supp		JP300	1	R0805_SHORTABLE/jumper	Closed	
term_H		JP301	1	R0805_SHORTABLE/jumper	Open	
term_L		JP302	1	R0805_SHORTABLE/jumper	Open	
split		JP303	1	R0805_SHORTABLE/jumper	Open	
10uH	SMD Inductor	L1	1	INDUCTOR 10.4X10.4		10uH
10uH	SMD Inductor	L2	1	INDUCTOR 10.4X10.4		10uH
B82789C0104N001	Common Mode Choke for CAN	L300	1	CAN_CMC		100uH
5V OK	Green LED	LED1	1	LED_0805		
3V3 OK	Green LED	LED2	1	LED_0805		
1V2 OK	Green LED	LED3	1	LED_0805		
Green LED	Green LED	LED300	1	LED_0805		
Yellow LED	Yellow LED	LED301	1	LED_0805		
Red LED	Red LED	LED302	1	LED_0805		
Green LED	Green LED	LED303	1	LED_0805		
Header_10	Header, 10-Pin	P100	1	PIN_1x10	Not Assembled	Header 10
Header_10	Header, 10-Pin	P101	1	PIN_1x10	Not Assembled	Header 10
Header_10	Header, 10-Pin	P300	1	PIN_1x10	Not Assembled	FlexRay
DB_COMM	Communication daughterboard	P301	1	DB_COMM_SOCKET		
Header_3	Header, 3-Pin	P302	1	PIN_1x3	Not Assembled	FR_pwr
Assembly_mark		PPM1	1	Pick_place_mark		

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
Assembly_mark		PPM2	1	Pick_place_mark		
Assembly_mark		PPM3	1	Pick_place_mark		
1k	1k Resistor	R1	1	R0805		1k
1M	Resistor with yet undetermined value in 0805 package	R2	1	R0805		1M
249K	Resistor with yet undetermined value in 0805 package	R3	1	R0805		249k
270R	270R Resistor	R4	1	R0805		270R
62k	Resistor with yet undetermined value in 0805 package	R5	1	R0805		62k
86.6k	Resistor with yet undetermined value in 0805 package	R6	1	R0805		86.6k
1M	Resistor with yet undetermined value in 0805 package	R7	1	R0805		1M
220k	Resistor with yet undetermined value in 0805 package	R8	1	R0805		220k
36k	Resistor with yet undetermined value in 0805 package	R9	1	R0805		36k
560k	Resistor with yet undetermined value in 0805 package	R10	1	R0805		560k
680R	680R Resistor	R11	1	R0805		680R
680R	Resistor with yet undetermined value in 0805 package	R12	1	R0805		680R
0R	Shortable 0805 Footprint	R100	1	R0805_SHORTABLE		0R
10k	10k Resistor	R101	1	R0805		10k
0R	Shortable 0805 Footprint	R102	1	R0805_SHORTABLE		0R
0R	Shortable 0805 Footprint	R103	1	R0805_SHORTABLE		0R
4k7	4k7 Resistor	R104	1	R0805		4k7
49R9	49R9 Resistor	R200	1	R0805		49R9
2k2	2k2 Resistor	R201	1	R0805		2k2
2k2	2k2 Resistor	R202	1	R0805		2k2
1k5	1k5 Resistor	R203	1	R0805		1k5
49R9	49R9 Resistor	R204	1	R0805		49R9
22R	22R Resistor array - 4x	R205	1	R1206_Array		22R
49R9	49R9 Resistor	R206	1	R0805		49R9
22R	22R Resistor	R207	1	R0805		22R
22R	22R Resistor	R208	1	R0805		22R
22R	22R Resistor array - 4x	R209	1	R1206_Array		22R
49R9	49R9 Resistor	R210	1	R0805		49R9
22R	22R Resistor array - 4x	R211	1	R1206_Array		22R
22R	22R Resistor	R212	1	R0805		22R

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
270R	270R Resistor	R213	1	R0805		270R
270R	270R Resistor	R214	1	R0805		270R
0R	0R Resistor	R215	1	R0805		0R
0R	0R Resistor	R216	1	R0805		0R
1k	1k Resistor	R217	1	R0805		1k
2k2	2k2 Resistor array - 4x	R218	1	R1206_Array		2k2
4k7	4k7 Resistor	R219	1	R0805		4k7
2k2	2k2 Resistor array - 4x	R220	1	R1206_Array		2k2
2k2	2k2 Resistor array - 4x	R221	1	R1206_Array		2k2
2k2	2k2 Resistor	R222	1	R0805		2k2
1k5	1k5 Resistor	R224	1	R0805		1k5
49R9	49R9 Resistor	R225	1	R0805		49R9
2k2	2k2 Resistor	R226	1	R0805		2k2
2k2	2k2 Resistor	R227	1	R0805		2k2
49R9	49R9 Resistor	R228	1	R0805		49R9
22R	22R Resistor array - 4x	R229	1	R1206_Array		22R
49R9	49R9 Resistor	R230	1	R0805		49R9
22R	22R Resistor	R231	1	R0805		22R
22R	22R Resistor	R232	1	R0805		22R
22R	22R Resistor array - 4x	R233	1	R1206_Array		22R
49R9	49R9 Resistor	R234	1	R0805		49R9
22R	22R Resistor array - 4x	R235	1	R1206_Array		22R
22R	22R Resistor	R236	1	R0805		22R
270R	270R Resistor	R237	1	R0805		270R
270R	270R Resistor	R238	1	R0805		270R
1k	1k Resistor	R239	1	R0805		1k
4k7	4k7 Resistor	R240	1	R0805		4k7
2k2	2k2 Resistor array - 4x	R241	1	R1206_Array		2k2
2k2	2k2 Resistor	R242	1	R0805		2k2
2k2	2k2 Resistor array - 4x	R243	1	R1206_Array		2k2
2k2	2k2 Resistor array - 4x	R244	1	R1206_Array		2k2
1k	1k Resistor	R300	1	R0805		1k

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
1k	1k Resistor	R301	1	R0805		1k
1k	100R Resistor	R302	1	R0805		100R
1k	100R Resistor	R303	1	R0805		100R
1k	1k Resistor	R304	1	R0805		1k
1k	1k Resistor	R305	1	R0805		1k
1k	1k Resistor	R306	1	R0805		1k
1k	1k Resistor	R307	1	R0805		1k
1k	1k Resistor	R308	1	R0805		1k
10k	100k Resistor	R309	1	R0805		10k
62R	62R Resistor	R310	1	R0805		62R
62R	62R Resistor	R311	1	R0805		62R
0	Shortable 0805 Footprint	R312	1	R0805_SHORTABLE	Not Assembled	0R
10k	10k Resistor	R313	1	R0805		10k
0	Shortable 0805 Footprint	R314	1	R0805_SHORTABLE		0R
10k	10k Resistor	R315	1	R0805		10k
10k	10k Resistor	R316	1	R0805		10k
10k	10k Resistor	R317	1	R0805		10k
2k2	2k2 Resistor	R318	1	R0805		2k2
0R	0R Resistor	R319	1	R0805		0R
1k	1k Resistor array - 4x	R330	1	R1206_Array		1k
J1011F21PNL		RJ200	1	RJ45-J1		
J1011F21PNL		RJ201	1	RJ45-J1		
PIN		S1	1	Sloupek		
PIN		S2	1	Sloupek		
PIN		S3	1	Sloupek		
PIN		S4	1	Sloupek		
Reset		SP100	1	DIP_SMALL_PUSH_BUTTON		
SP		SP300	1	DIP_PUSH_BUTTON		
SP		SP301	1	DIP_PUSH_BUTTON		
Label_DISCLAIMER	Demo board disclaimer	T1	1	ST_EVB_Disclaimer		
Label_ROHS	RoHS compliance	T2	1	ST_EVB_RoHS		
Label_ST LOGO	ST logo	T3	1	ST_logo_augmented_1		

Comment	Description	Designator	Quantity	Footprint	Assembly Option	Value
Label_ST LOGO	ST logo	T4	1	ST_logo_augmented_1		
BC847	NPN	T5	1	SOT23		
BCP68	NPN	T100	1	SOT89/223		
BC847	NPN	T300	1	SOT23		
BCX52-16	PNP	T301	1	SOT-89		BCX52-16
SMAJ24A		Tr1	1	SMAJ	Not Assembled	
L4995RJ		U1	1	PSSO12		
A6986F		U2	1	HTPSSOP16		
A6986F		U3	1	HTPSSOP16		
SPC58NG84E7	Chorus 6M 176pin PD	U100	1	eLQFP176 (LQFP176L2600X2600-176)		
DP83848YB	Temperature Single Port 10/100 Mb/s Ethernet PHY	U200	1	TQFP48-EP		
DP83848YB	Temperature Single Port 10/100 Mb/s Ethernet PHY	U201	1	TQFP48-EP		
	HS CAN FD Transceiver with stby mode SO14	U300	1	SO14		
LCD_2.8_TFT_320x240	LCD Display 2.8' TFT SPI Touch 320 x 240	U301	1	LCD_2.8_TFT_320x240		
40MHz	CRYSTAL 40.000MHZ 8PF SMD Automotive -40/+125	X100	1	CRYSTAL_SMD		
25MHz / 50MHz	Kyocera KC2520B-C1 3.3V; 1.5..125MHz	X200	1	CRYSTAL_SMD	Not Assembled	
25MHz	CRYSTAL 25.000MHZ 8PF SMD Automotive -40/+125	X201	1	CRYSTAL_SMD		
25MHz	CRYSTAL 25.000MHZ 8PF SMD Automotive -40/+125	X202	1	CRYSTAL_SMD		
25MHz / 50MHz	Kyocera KC2520B-C1 3.3V; 1.5..125MHz	X203	1	CRYSTAL_SMD	Not Assembled	