

STuW81300 EVAL BOM v1.0

Reference	Value	Manufacturer	Part Number	Populated
C0_active_path	C_1n2F_0603_C0G_J_50	Murata	GRM1885C1H122JA01	Y
C1	C_22N_1206_C0G_J_50	Murata	GRM3195C1H223JA01	Y
C1_active_path	C_560pF_0805_C0G_J_100	Murata	GRM2165C2A561JA01	Y
C2_active	C_15nF_1206_C0G_J_50	Murata	GRM3195C1H153JA01	Y
C2	C_1N0_0805_C0G_J_50	Murata	GRM2165C1H102JA01	Y
C3_active_path	C_2n7F_0805_C0G_J_50	Murata	GRM2165C1H272JA01	Y
C3	C_560P_0603_C0G_J_25	Murata	GRM1885C1H561JA01	Y
C4	C_470P_0603_C0G_J_25	Murata	GRM1885C1H471JA01	Y
C5,C13,C20,C23	C_10U_0603_X5R_K_16	Murata	GRM188R61C106MA73	Y
C6,C32,C51	C_27U_EMIFIL_CAP	Murata	NFM31PC276B0J3	Y
C7,C16,C18,C19, C22	C_220N_0402_X7R_K_16	Murata	GRM155R71C224KA12	Y
C8,C17	C_10U_0603_X5R_K_16	Murata	GRM188R61C106MA73	Y
C10	C_1000P_0402_C0G_J_50	Murata	GRM1555C1H102JA01	Y
C11,C14	C_100N_0402_X7R_K_16	Murata	GRM155R71C104KA88	Y
C12	C_10N_0402_X7R_K_25	Murata	GRM155R71E103KA01	Y
C15,C21	C_10N_0402_X7R_K_25	Murata	GRM155R71E103KA01	Y
C31	C_470P_EMIFIL_CAP	Murata	NFM18CC471R1C3	Y
C44,C45,C47, C48	C_10N_0402_X5R_K_16	Murata	GRM155R61C103KA01	Y
C49,C52	C_18P_0603_C0G_J_50	Murata	GRM1885C1H180JA01	Y
C53,C54,C92	C_100pF_0402_C0G_G_50	Murata	GRM1555C1H101GA01	Y
C55,C56	C_500fF_0201_C0G_A_50	Murata	GRM0335C1HR50WA01	Y
C58	C_100pF_0402_C0G_G_50	Murata	GRM1555C1H101GA01	Y
C101	C_1U_0603_X7R_K_16	Murata	GRM188R71C105KA12	Y
C102	C_100N_0402_X7R_K_16	Murata	GRM155R71C104KA88	Y
C111	C_10P_0402_C0G_G_50	Murata	GRM1555C1H100GA01	Y
C112	C_100N_0402_X7R_K_16	Murata	GRM155R71C104KA88	Y
C113	C_100P_0603_C0G_J_50	Murata	GRM1885C1H101JA01	Y
DL1	KP2012MGC	Kingbright	KP2012MGC	Y
DL2	KP2012MGC	Kingbright	KP2012MGC	Y
DL3	KP2012EC	Kingbright	KP2012EC	Y
JP1	Jumper_2	Samtec	HTSW-102-07-G-S	Y
J1	5V	Emerson Network Power Connectivity Solutions	105-0752-001	Y
J2	GND	Emerson Network Power Connectivity Solutions	105-0753-001	Y
J3	CONN_10PIN_2.54mm_INT	TE Connectivity	2-176 1603-3	DEPOP
J8	PSF-S01-1.62MM	Gigalane	PSF-S01-1.62MM	DEPOP
J9	PSF-S01-1.62MM	Gigalane	PSF-S01-1.62MM	Y

J14,J15,J16,J17	Emerson 142-0761-881	Emerson Network Power	142-0761-881	Y
J19	PSF-S01-1.62MM	Gigalane	PSF-S01-1.62MM	Y
LFOA1	ST_TS512A_SO-8pckg	STMicroelectronics	TS512A	Y
MF1,MF2,MF3, MF4	3M HOLE	Keystone	25510	Y
M1	usb1232h-ds-v13	DLP design	USB1232H-ds-v13	Y
R_FL1	R_510R_0603_F	Yageo	RC0603FR-07510RL	DEPOP
R0_active_path	R_220R_0603_F	Yageo	RC0603FR-07220RL	Y
R1,R4	R_330_0603_F	Yageo	RC0603FR-07330RL	Y
R2_active_path	R_1K5_0603_F	Yageo	RC0603FR-071K5L	Y
R3	R_270_0603_F	Yageo	RC0603FR-07270RL	Y
R3_active_path	R_1K0_0603_F	Yageo	RC0603FR-071KL	Y
R5,R22,R24,R25, R26,R30,R32,R3 3,R35,R45,R54,R 58,R65	R_OR0_0402	Panasonic	ERJ-2GE0R00X	Y
R6,R7,R14	R_OR5_0402_F	Yageo	RL0402FR-070R5L	Y
R8,R12	R_OR2_0402_F	Yageo	RL0402FR-070R2L	Y
R9,R10	R_470_0402_F	Yageo	RC0402FR-07470RL	Y
R11	R_1k_0603_F	Yageo	RC0603FR-071KL	Y
R23	R_100R_0402	Panasonic	RC0402FR-07100RL	DEPOP
R27	R_51R_0402	Panasonic	RC0402FR-0751RL	DEPOP
R28	R_3K6_0603_F	Yageo	RC0603FR-073K6L	DEPOP
R29	R_OR0_0603	Panasonic	ERJ-3GEY0R00V	DEPOP
R31	R_OR0_0402	Panasonic	ERJ-2GE0R00X	Y
R36	R_33k_0603_F	Yageo	RC0603FR-0733KL	Y
R37	R_120K_0603_F	Yageo	RC0603FR-07120KL	Y
R38	R_1K0_0603_F	Yageo	RC0603FR-071KL	Y
R39	R_OR0_0402	Panasonic	ERJ-2GE0R00X	Y
R40	R_OR0_0402	Panasonic	ERJ-2GE0R00X	Y
R41	R_OR0_0603_active_path	Panasonic	ERJ-3GEY0R00V	DEPOP
R42	R_OR0_0603_passive_path	Panasonic	ERJ-3GEY0R00V	Y
R46,R48,R49	R_OR0_0402	Panasonic	ERJ-2GE0R00X	DEPOP
R51	R_OR0_0402_active_path	Panasonic	ERJ-2GE0R00X	Y
R56	R_OR0_0402_active_path_RF/2	Panasonic	ERJ-2GE0R00X	Y
R57,R60	R_OR0_0402_active_path_high_freq	Panasonic	ERJ-2GE0R00X	DEPOP
R59	R_OR0_0402_active_path	Panasonic	ERJ-2GE0R00X	Y
R61,R62	R_47K5_0603_F	Yageo	RC0603FR-0747K5L	Y
R63,R64	R_OR0_0603	Panasonic	ERJ-3GEY0R00V	Y
R66	R_50R_0201	Panasonic	ERJ1GNYJ50RC	Y
S1	SWITCH 1X2	EOZ	09.03201.02	Y
TP1	5V0	Keystone	5005	Y
TP2,TP10	GND	Keystone	5006	Y

TP3	LD_SDO	Keystone	5007	Y
TP4	SDI	Keystone	5007	Y
TP5	CLK	Keystone	5007	Y
TP6	LE	Keystone	5007	Y
TP7	PD_RF1	Keystone	5008	Y
TP8	PD_RF2	Keystone	5008	Y
TP9	PD	Keystone	5008	Y
TP11	VCTRL	Keystone	5005	Y
TP12	Vtune	Keystone	5005	Y
TP13	opampV+	Keystone	5005	Y
TP14	opampV-	Keystone	5006	Y
TP15	OPAMP BIAS	Keystone	5005	Y
U2	STuW81300	STMicroelectronics	STuW81300	Y
U5	3pin Jumper	Samtec	PHT-103-01-L-S	Y
U7	IQD_CFPS-32	IQD	LFSPXO056090	Y
U14	POWER DIVIDER 6DB .1W 0603 SMD	SUSUMU	PS1608GT2-R50-T5	Y
U15	EXTVCO_MACOM_MAOC-009269	MA-COM	MAOC-009269	DEPOP
U16	ATTENUATOR 3 DB 50 OHM 0805 SMD	SUSUMU	PAT1220-C-3DB-T5	Y
U17	ustrip RAT RACE	(printed balun)	PN_EVB14GHz	Y
X1	NX2520SA 50 MHz S1-2070-1010-10(NDK)	NDK	NX2520SA	Y

NOTE: DEPOP stands for not populated