

Checklist

Parts mounting Check List					
Check	Name	Designator	Qty	Manufacturer	Supplier Part
	10uF	C110,C112,C44,C45,C36,C38,C16	7	293D106X0016A2TE3	718-1956-1-ND
	0.1u	C35,C37,C50,C40,C48,C43,C39,C4,C6,C1,C9,C11,C18,C26,C25,C27,C30,C29,C120,C117,C119,C116,C109,C125,C133,C127,C129,C113,C132,C118,C111,C114,C123,C15,C69,C70,C68,C67,C73,C105,C106,C108,C181,C182,C184,C179,C180	47	CC0805KRX7R9BB104	311-1140-1-ND
	0.1u	C51,C52,C53,C54	4	293D104X9035A2TE3	718-1109-1-ND
	33pF	C121,C115,C94,C141	4	885012007054	732-7849-1-ND
	270pF	C126,C90,C87,C101,C81,C95,C146,C174	8	CC0805JRNPO0BN271	311-1843-1-ND
	.01uF	C128,C131,C122,C14.C183,C185,C7,C19,C24,C33,C46,C34,C47	13	CL21B103KBCNNNC	1276-1078-1-ND
	4.7uF	C13	1	T491A475M025AT	399-4630-1-ND
	4.7n	C130,C124	2	CL21B472KB65PND	1276-6993-1-ND
	2700pF	C142,C170	2	C2012C0G2A272J125AA	445-4137-1-ND
	1200pF	C143,C171	2	GRM2165C2A122JA01D	490-6446-1-ND
	180pF	C144	1	GRM2165C2A181JA01D	490-1605-1-ND
	150pF	C145	1	CC0805JRNPO0BN151	311-1839-1-ND
	220pF	C152,C173,C147,C175	4	CGA4C2C0G2A221J060AA	445-6952-1-ND
	5600pF	C156	1	C2012C0G2A562J125AA	445-15277-1-ND
	2200pF	C157	1	CL21C222JCFNNNE	1276-2995-1-ND
	560pF	C158,C160	2	CC0805JRNPO0BN561	311-1848-1-ND
	330pF	C159	1	885012007085	732-12212-1-ND
	510pF	C161	1	C0805C511J1GAC7800	399-15514-1-ND
	82pF	C165,C155	2	CC0805JRNPO0BN820	311-4226-1-ND
	47pF	C166	1	885012007080	732-12226-1-ND
	39pF	C169	1	CC0805JRNPO0BN390	311-4222-1-ND
	100u	C187	1	860010473007	732-8630-1-ND
	.22uF	C2,C3	2	UMK212B7224KG-T	587-1287-1-ND
	0.22u	C17	1	CL31B224KBFNNNE	1276-1106-1-ND
	0R	C28,C31	2	RC0805JR-070RL	311-0.0ARCT-ND

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15nF	C42,C32	2	GRM2195C1H153JA01D	490-1643-1-ND
10uF	C49,C41	2	08053D106MAT2A	478-10492-1-ND
10uF	C107	1	F951C106MPAAQ2	478-8456-1-ND
1000uF	C5	1	UVK1E102MPD1TD	493-12561-1-ND
22uF	C55,C59,C61,C65	4	ECA-1JM220I	P19538CT-ND
1u	C12,C57,C56,C63,C62	5	UMK212B7105KG-T	587-2910-1-ND
1000pF	C58,C60,C64,C66,C84,C98,C186	7	885012007063	732-7858-1-ND
15pF	C71,C72,C148,C162	4	885012007077	732-12224-1-ND
100pF	C74,C75,C76,C77,C78,C79,C80,C92,C102,C103,C134,C135,C136,C137,C138,C139,C140	17	CL21C101JC61PNC	1276-2569-1-ND
.47uF	C8,C10	2	T491A474K025AT	399-3695-1-ND
4700pF	C82,C96,C104	3	C2012NP02A472J125AA	445-14359-1-ND
1800pF	C83,C97	2	C2012C0G2A182J085AA	445-4136-1-ND
680pF	C85,C99	2	CC0805JRNPO0BN681	311-1849-1-ND
9pF	C88	1	CC0805DRNPO9BN9R0	311-1098-1-ND
390pF	C89,C86,C100,C151,C172	5	GRM2165C2A391JA01D	490-3306-1-ND
200pF	C91	1	C0805C201J1GAC7800	399-15465-1-ND
56pF	C93	1	CC0805JRNPO9BN560	311-1108-1-ND
BZX55C3V3	D1,D2	2	MMSZ5226B-7-F	MMSZ5226B-FDICT-ND
1N4148	D10,D3	2	1N4148W-TP	1N4148WTPMSCT-ND
LED3	D4	1	151031YS06000	732-5010-ND
LED1	D5	1	151031VS06000	732-5008-ND
LED2	D6	1	151031SS04000	732-5005-ND
BAS16J,115	D7,D8	2	BAS16J,115	1727-6169-1-ND
1N4148W	D9,D11	2	1N4148W-TP	1N4148WTPMSCT-ND
6.2V Zener	D12	1	1SMB5920BT3G	1SMB5920BT3GOSCT-ND
Polyfuse	F1	1	MF-LSMF300/24X-2	MF-LSMF300/24X-2CT-ND
1x2 Header	H1	1	826629-2	A105107-ND
2 Pin Header	H2,J1	2	826629-2	A105107-ND
1x1 Header	H3	1		
Header-Male-2.54_1x2	H4	1	22-23-2021	WM4200-ND
Jack-DC	J2	1	PJ-202AH	CP-202AH-ND
USB_B	J4	1	61729-0010BLF	609-1039-ND
Antenna	J5	1	1-1634613-0	A97554-ND
EC2	K1,K8,K2,K3,K4,K5,K6,K7,K9,K11,K10,K13,K14,K15,K16,K17,K18,K12	18	EC2-5NU	399-11052-5-ND
220uH	L1,L2	2	82224C	811-2481-1-ND
120nH	L10,L24	2		

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1.3uH	L11	1		
27uH	L12	1		
6.8uH	L13	1		
3.3uH	L14,L29,L36	3		
1.8uH	L15,L30,L37	3		
1.2uH	L16	1		
L_Core_Ferrite	L25	1	82153C	811-2474-1-ND
MMZ2012R601A	L26,L27	2	MMZ2012R601AT000	445-1554-1-ND
1m	L3,L42	2	2643021801	1934-1339-ND
742792062	L45,L46	2	742792062	732-4645-1-ND
100nH	L28	1		
560nH	L31	1		
.27uH	L32	1		
150nH	L35	1		
.47uH	L39	1		
32nH	L4,L18	2		
1.5uH	L5,L19	2		
1uH	L6,L20,L17,L38	4		
680nH	L7,L21	2		
270nH	L8,L22,L33,L40	4		
180nH	L9,L23,L34,L41	4		
35RASMT2BHNT RX	P1,P2,P4,P5,P3	5	35RASMT2BHNTTX	SC1489-1-ND
MMBF170	Q1,Q7	2	MMBF170	MMBF170CT-ND
ZVP2106GCT	Q10	1	BSP322PH6327XTSA1	BSP322PH6327XTSA1CT- ND
BSS138-7-F	Q12	1	BSS138-7-F	BSS138-FDICT-ND
MMBT3906	Q2	1	MMBT3906-TP	MMBT3906-TPCT-ND
MMBT3904	Q3,Q8	2	MMBT3904-TP	MMBT3904TPMSCT-ND
DMP3099L	Q4	1	DMP3099L-7	DMP3099L-7DICT-ND
RD15HVF1	Q5,Q6	2		
STN3P6F6	Q9	1	STN3P6F6	497-13537-1-ND
10R	R1	1	SR1206JR-7W10RL	YAG6060CT-ND
150R	R55	1	ERJ-P06J151V	P150ADCT-ND
1M	R11,R5	2	RC0805FR-071ML	311-1.00MCRCT-ND
4K7	R12,R13,R14,R16, R15,R36,R65	7	RC0805FR-074K7L	311-4.70KCRCT-ND
2K	R2,R3	2	64WR2KLF	987-1065-ND
10K	R56	1	84WR10KLFTR	987-1806-1-ND
130R	R21,R22	2	RC0805FR-07130RL	311-130CRCT-ND
DNI	R24,R23,R18,R19, C149,C163,C150,C 164,C153,C167,C1 54,C168	12		
43R	R27,R37	2	RC0805FR-0743RL	311-43.0CRCT-ND
33R	R28,R29,R25,R26	4	RC0805FR-0733RL	311-33.0CRCT-ND
49R9	R30,R31	2	RC0805FR-0749R9L	311-49.9CRCT-ND
316R	R34,R35	2	RC0805FR-07316RL	311-316CRCT-ND

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10K	R39,R70	2	RC0805FR-0710KL	311-10.0KCRCT-ND
2K2	R4,R7,R6	3	RC0805FR-072K2L	311-2.20KCRCT-ND
2K	R41	1	RC0805FR-072KL	311-2.00KCRCT-ND
3k3	R42	1	RC0805FR-073K3L	311-3.30KCRCT-ND
560R	R45	1	RC0805FR-07560RL	311-560CRCT-ND
30R	R47	1	RC0805FR-0730RL	311-30.0CRCT-ND
330R	R48,R63	2	RC0805FR-07330RL	311-330CRCT-ND
220R	R50,R43	2	RC0805FR-07220RL	311-220CRCT-ND
470R	R51,R49,R64,R10, R68,R69,R76	7	RC0805FR-07470RL	311-470CRCT-ND
4R7	R52,R59	2	AC0805FR-074R7L	YAG3739CT-ND
22R	R54,R61,R53,R60	4	RC0805FR-0722RL	311-22.0CRCT-ND
200R	R58	1	RC0805FR-07200RL	311-200CRCT-ND
1K	R62,R46,R17,R32, R33,R38,R44	7	RC0805FR-071KL	311-1.00KCRCT-ND
220R	R67,R73	2	CRGP2512F220R	A130713CT-ND
100R	R72,R66,R40,R77	4	RC0805FR-07100RL	311-100CRCT-ND
25R	R75	1	RC0805FR-0724R9L	311-24.9CRCT-ND
100K	R78	1	AC0805FR-07100KL	YAG3688CT-ND
430R	R79	1	RC0805FR-07430RL	311-430CRCT-ND
68R	R9,R8,R20	3	RC0805FR-0768RL	311-68.0CRCT-ND
Transformer_T8	T3	1	BN43-202	BN43-202
Transformer_1P_S S	T5	1	BN43-3312	BN43-3312
4:1 Transformer	TR1,TR2	2	TC4-1TG2+	TC4-1TG2+
4:1 Transformer/ALT	TR1,TR2	2	MABAES0061	1465-1318-1-ND
NMV1215SC	U1	1	NMV1215SC	811-1604-5-ND
74HC4053	U10,U13	2	CD74HC4053M96	296-14532-1-ND
SN74CBT3253	U11	1	SN74CBT3253CDR	296-19206-1-ND
74LVC74A	U12,U19,U18	3	74LVC74AD,118	1727-3109-1-ND
INA163	U15,U14	2	INA163UA/2K5	INA163UACT-ND
DRV135	U16,U17	2	DRV135UA/2K5	296-37145-1-ND
74HC238	U20	1	MC74HC238ADR2G	MC74HC238ADR2GOSCT- ND
ULN2803A	U21	1	ULN2803ADWR	296-15777-1-ND
PIC16F84A-04/P	U22	1	PIC16F84A-04/P	PIC16F84A-04/P-ND
			1-2199298-5	A120350-ND
MMG3H21NT1	U23	1	SKY65013-70LF	863-1773-1-ND
OPA2674	U24,U25	2	OPA2674ID	296-15212-5-ND
LTV-217	U26	1	LTV-217-G	160-2218-1-ND
L78L05_DPAK	U3,U2	2	L7805CDT-TR	497-7255-1-ND
LP2985_3V3_DPA K	U4	1	MC33275DT-3.3RKG	MC33275DT-3.3RKGOSCT- ND
MC33171DR2G	U5	1	MC33171DR2G	MC33171DR2GOSCT-ND
Si570	U7	1	570AAC000118DG	570AAC000118DG-ND
ATTINY85-20PU	U8	1	ATTINY85-20PU	ATTINY85-20PU-ND
			1-2199298-2	A120347-ND

Checklist

	Splitter	U9	1	83026BMI-01LF	800-2055-ND
	4mhz	Y1	1	ABLS-4.000MHZ-B2-T	535-9085-1-ND