

BOMs for X series of balances

PCB project 395R1502-PCB-W04-Z02

Description/value	Designator	Footprint	Quantity
*470k	R7	R0805 305R	1
*NXW-03	J3	NXW-03 395T	1
0R	R6	R0603 304R	1
1k	R26	R0805 304R	1
1u	C4, C23, C24	C0805 304R	3
27R	R22, R25	R0603 304R	2
75R	R2	R0603 304R	1
100k	R16	R0805 304R	1
100n	C2, C3, C21, C22, C28	C0603 304R	5
100p	C1, C6, C14	C0603 304R	3
220p	C5, C8	C0805 304R	2
390k	R1, R3, R4, R5, R21	R0805 305R	5
0903250010	J4	MOLEX90325 T395	1
OP282GSZ	U1	SO-8 305T	1
SBK	L1	L0603 304R	1
WAA-210X-03-601C zm7	T1	WAA-210X-03-601C 304R	1

PCB project 395R1502-PRJ-W02-Z02

Description/value	Designator	Footprint	Quantity
*470k	R7	R0805 305R	1
*NXW-03	J3	NXW-03 395T	1
0R	R6	R0603 304R	1
1k	R26	R0805 304R	1
1u	C4, C23, C24	C0805 304R	3
27R	R22, R25	R0603 304R	2
75R	R2	R0603 304R	1
100k	R16	R0805 304R	1
100n	C2, C3, C21, C22, C28	C0603 304R	5
100p	C1, C6, C14	C0603 304R	3
220p	C5, C8	C0805 304R	2
390k	R1, R3, R4, R5, R21	R0805 305R	5
0903250010	J4	MOLEX90325 T395	1
OP282GSZ	U1	SO-8 305T	1
SBK	L1	L0603 304R	1
SFH221	D2		1
TSUS5202	D1		1
WAA-210X-03-601C zm4	T1	WAA-210X-03-601C 304R	1

PCB Project 395R2001-PRJ-W01-Z01

Description/value	Designator	Footprint	Quantity
*470k	R7	R0805 305R	1
*NXW-03	J3	NXW-03 395T	1
0R	R6	R0603 304R	1
1k	R26	R0805	1
1u	C4, C23, C24	C0805 304R	3
27R	R22, R25	R0603 304R	2

75R	R2	R0603 304R	1
100k	R16	R0805 304R	1
100n	C2, C3, C21, C22, C28	C0603 304R	5
100p	C1, C6, C14	C0603 304R	3
220p	C5, C8	C0805 304R	2
390k	R1, R3, R4, R5, R21	R0805 305R	5
0903250010	J4	MOLEX90325 T395	1
OP282GSZ	U1	SO-8 305T	1
SBK	L1	L0603 304R	1
sensor set	S1	595R	1

PCB Project 513R2003-PCB-W02-Z00

Description/value	Designator	Footprint	Quantity
*0R	R124	R0603	1
*0R1	R1, R70	R1/1206-T	2
*1u	C47, C49, C50	C0805	3
*10p	C5, C6	C0603	2
*22R	R44, R46	R0603	2
*32,768kHz	X2	XT_3.2X1.5	1
*75R	R118, R121, R122	R0603 305T	3
*100n	C159, C160	C0603	2
*Listwa 1x2-2mm	JP4	HDR 1x2 2mm	1
*Listwa 1x4-2,54mm	J13	HDR1X4 2MM54 T	1
*Listwa 10	J4	HDR 2X5 2MM	1
*LM4040 2V5	D25	SOT23-LM4040	1
*MCP3421A1T-E/CH	U25	SOT23-6	1
*MCP3421A2T-E/CH	U28	SOT23-6	1
*MCP6042	U10	SO-8	1
*NXW-02-SMD	J11	NXW-02-SMD	1
*NXW-03-SMD	TMP1, TMP2	NXW-03-SMD	2
*NXW-06	J14	NXW-06 305T	1
*NXW-07	J5	NXW-07 305T	1
*SBK	L1	L0603	1
*VL6180X	U11, U14	VL6180X B	2
0R	R68	R0603 305T	1
0R	R7, R9, R42, R43, R123, R126	R0603	6
1k5	R13, R58, R96, R98, R112	R0603	5
1M	R35	R0603	1
1n	C118	C1206	1
1N4148WS-V-GS18	D26, D28	D0805	2
1u	C134	C1206	1
2k	R86, R87	R0603	2
2k2	R81	R0603	1

2n2	C79	C0603	1
3R3	R71	R1/1206-T	1
4k3	R5, R92, R107	R0603	3
4k7	R18, R22, R31	R0603	3
4k7	R51	R0603 305T	1
4u7	C69	C0805	1
6n8	C70, C74	C0603	2
6R2	R104	R0805	1
8MHz	X1	XT_6X3.5	1
10k	R3, R8, R16, R17, R32, R33, R34, R39, R40, R41, R95, R100, R117, R125, R127, R128, R129, R133, R134, R136, R140	R0603	21
10k	R50, R66	R0603 305T	2
10n	C67, C75	C0603	2
10p	C3, C4, C51, C55	C0603	4
10u	C2, C8, C16, C18, C19, C60, C61, C122, C124	C0805	9
10u	C77, C78	C1206 305T	2
10uH	L19	DE0704---T	1
10uH	L25	0704	1
12k	R21	R0603	1
12k4 1%	R36	R0603	1
16k	R53	R0603	1
18p	C72, C73	C0603	2
22k	R26	R0805 305T	1
22n	C68	C0603	1
22R	R10, R12, R59, R61, R62	R0603	5
22u	C132	C1206	1
22u	C80, C81	C1206 305T	2
25k	R24, R25, R27, R28	R0603	4
25MHz	X4	XT_6X3.5	1
27R	R23	R0603	1
32,768kHz	X3	XT_3.2x1.5	1
36k	R48	R0603 305T	1
47k	R45, R52	R0603 305T	2
47k	R6, R101, R106, R113, R114, R115, R116	R0603	7
49R9 1%	R2, R29, R30, R37, R38	R0603	5
51R	R14, R15	R0603	2
51R	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8	DR1206	8
56k	R49	R0603 305T	1
75R	R89, R90	R0603	2
100k	R47, R67	R0603 305T	2
100n	C1, C7, C9, C10, C11, C17, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C54, C58, C59, C63, C64, C65, C66, C82, C83, C123, C125, C135	C0402	44
100n	C12, C13	C1206	2
100n	C14, C15, C56, C57, C62, C76, C84, C120	C0603	8
100R	R4, R20, R97	R0603	3
100uF	C53	100uF/16V- SMD-	1

		JACKCON-T	
100uF	C71	CAP_EL_8X10	1
200k	R111	R0603305T	1
220n	C133	C0603	1
220p	C48	C0603	1
220R	R19	R0603	1
470R	R103	R0603	1
470R	RA13, RA14, RA15, RA16, RA17	DR1206	5
470uF	C52, C85, C91	CAP_EL_8X10	3
510R	R11, R72, R74, R75, R139	R0603	5
90325-0006	J17	MOLEX90325-0006 T	1
90325-0020	J6	MOLEX90325-0020 T	1
687106149022	J9	ZIF 06R=0.5	1
AS4C8M16SA-7TCN	U7	TSOP2-54_M	1
BAT54S	D3, D4, D5, D6, D7	SOT23-D	5
BC807-40	T1	SOT23-T	1
BC817-40	T2, T5, T12, T13, T15, T16	SOT23-T	6
CR2032	BAT1	CR2032H	1
DZ10V	D23, D27	D MINIMELF	2
ESP-12	U15	ESP-12 B	1
FM25CL64B	U8	SO-8	1
H1102NL	Tr1	TG41-NX	1
IRF7455PBF	T6	SO-8	1
KPTB-1612SURKCGKC	D14	KPTB-1612SURKCGKC B	1
KPX-1205B	BUZ1	BUZZ	1
L-934F3BT	D2, D13	LED1-3MM B	2
LCBA	FB1	L0603	1
LCBC	FB2, FB3	L1206	2
LED	D20, D21	LED0805	2
Listwa 1x2-2mm	JP1, JP3	HDR 1X2 2MM	2
Listwa 1x4-2mm	J1	HDR1X4 2MM 305T	1
Listwa kołkowa 2x13 raster 2mm	J10	IDC26 2MM	1
M41T81	U4	SO-8	1
MCP3421A0T-E/CH	U24	SOT23-6	1
N25Q128A13ESF40G	U2	SOP2-16 T	1
N25Q512A13GSF40	U6	SOP2-16 T	1
NXW-02	J3	NXW-02	1
NXW-04	J2	NXW-04	1
NXW-04-SMD	J7	NXW-04-SMD	1
NXW-05	J15	NXW-05 305T	1

OF-SMD2012W	D15, D16, D17, D18, D24	LED0805 B	5
RT7272B	U13	SO-8N T	1
RT8536	U21	DRV	1
SBK	FB10, FB11, FB12, FB13, FB14, L2, L10, L14, L16, L18	L0603	10
SM6T6V8CA	D19	SMB-DIODE	1
SM6T15CA	D1	SMB-DIODE 411T	1
SN74AC04PWR	U3	TSSOP14	1
STM32F767IIT6	U1	LQFP-176	1
STPS340U	D22	SMB-DIODE	1
TSOP32156	IC1, IC2	TSOP321XX H_B B	2
W5500	U12	LQFP48	1
XF2M40151A	J12	XF2M40151 A T	1

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Description/value	Designator	Footprint	Quantity
*0R	R42, R43, R124	R0603	3
*0R1	R1, R70	R1/1206-T	2
*1u	C47, C49, C50	C0805	3
*10p	C5, C6	C0603	2
*32,768kHz	X2	XT_3.2x1.5	1
*75R	R118, R121, R122	R0603 305T	3
*100n	C159, C160	C0603	2
*Listwa 1x2-2mm	JP4	HDR 1x2 2mm	1
*Listwa 1x4-2,54mm	J13	HDR1X4 2MM54 T	1
*Listwa 10	J4	HDR 2x5 2mm	1
*LM4040 2V5	D25	SOT23-LM4040	1
*MCP3421A1T-E/CH	U25	SOT23-6	1
*MCP3421A2T-E/CH	U28	SOT23-6	1
*MCP6042	U10	SO-8	1
*NXW-02-SMD	J11	NXW-02-SMD	1
*NXW-03-SMD	TMP1, TMP2	NXW-03-SMD	2
*NXW-06	J14	NXW-06 305T	1
*NXW-07	J5	NXW-07 305T	1
*SBK	L1	L0603	1
*VL6180X	U11, U14	VL6180X B	2
0R	R68	R0603 305T	1
0R	R7, R9, R123, R126	R0603	4
1k5	R13, R58, R96, R98, R112	R0603	5
1M	R35	R0603	1
1n	C118	C1206	1
1N4148WS-V-GS18	D26, D28	D0805	2
1u	C134	C1206	1
2k	R86, R87	R0603	2
2k2	R81	R0603	1
2n2	C79	C0603	1
3R3	R71	R1/1206-T	1

4k3	R5, R92, R107	R0603	3
4k7	R18, R22, R31	R0603	3
4k7	R51	R0603 305T	1
4u7	C69	C0805	1
6n8	C70, C74	C0603	2
6R2	R104	R0805	1
8MHz	X1	XT_6x3.5	1
10k	R3, R8, R16, R17, R32, R33, R34, R39, R40, R41, R95, R100, R117, R125, R127, R128, R129, R133, R134, R136, R140	R0603	21
10k	R50, R66	R0603 305T	2
10n	C67, C75	C0603	2
10p	C3, C4, C51, C55	C0603	4
10u	C2, C8, C16, C18, C19, C60, C61, C122, C124	C0805	9
10u	C77, C78	C1206 305T	2
10uH	L19	DE0704---T	1
10uH	L25	0704	1
12k	R21	R0603	1
12k4 1%	R36	R0603	1
16k	R53	R0603	1
18p	C72, C73	C0603	2
22k	R26	R0805 305T	1
22n	C68	C0603	1
22R	R10, R12, R44, R46, R59, R61, R62	R0603	7
22u	C132	C1206	1
22u	C80, C81	C1206 305T	2
25k	R24, R25, R27, R28	R0603	4
25MHz	X4	XT_6X3.5	1
27R	R23	R0603	1
32,768kHz	X3	XT_3.2x1.5	1
36k	R48	R0603 305T	1
47k	R45, R52	R0603 305T	2
47k	R6, R101, R106, R113, R114, R115, R116	R0603	7
49R9 1%	R2, R29, R30, R37, R38	R0603	5
51R	R14, R15	R0603	2
51R	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8	DR1206	8
56k	R49	R0603 305T	1
75R	R89, R90	R0603	2
100k	R47, R67	R0603 305T	2
100n	C1, C7, C9, C10, C11, C17, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C54, C58, C59, C63, C64, C65, C66, C82, C83, C123, C125, C135	C0402	44
100n	C12, C13	C1206	2
100n	C14, C15, C56, C57, C62, C76, C84, C120	C0603	8
100R	R4, R20, R97	R0603	3
100uF	C53	100uF/16V-SMD-JACKCON-T	1
100uF	C71	cap_el_8x10	1
200k	R111	R0603 305T	1
220n	C133	C0603	1
220p	C48	C0603	1
220R	R19	R0603	1
470R	R103	R0603	1
470R	RA13, RA14, RA15, RA16, RA17	DR1206	5

470uF	C52, C85, C91	CAP_EL_8X10	3
510R	R11, R72, R74, R75, R139	R0603	5
90325-0006	J17	MOLEX90325-0006 T	1
90325-0020	J6	MOLEX90325-0020 T	1
687106149022	J9	ZIF 06 R=0.5	1
AS4C8M16SA-7TCN	U7	TSOP2-54_M	1
BAT54S	D3, D4, D5, D6, D7	SOT23-D	5
BC807-40	T1	SOT23-T	1
BC817-40	T2, T5, T12, T13, T15, T16	SOT23-T	6
CR2032	BAT1	CR2032H	1
DZ10V	D23, D27	D Minimelf	2
ESP-12	U15	ESP-12 B	1
FM25CL64B	U8	SO-8	1
H1102NL	Tr1	TG41-NX	1
IDC 2x13, raster 2mm, (LATCH)	J10	IDC26 2MM	1
IRF7455PBF	T6	SO-8	1
KPTB-1612SURKCGKC	D14	KPTB-1612SURKCGKC B	1
KPX-1205B	BUZ1	BUZZ	1
L-934F3BT	D2, D13	LED1-3MM B	2
LCBA	FB1	L0603	1
LCBC	FB2, FB3	L1206	2
LED	D20, D21	LED0805	2
Listwa 1x2-2mm	JP1, JP3	HDR 1x2 2mm	2
Listwa 1x4-2mm	J1	HDR1X4 2MM 305T	1
M41T81	U4	SO-8	1
MCP3421A0T-E/CH	U24	SOT23-6	1
N25Q128A13ESF 40G	U2	SOP2-16 T	1
N25Q512A13GSF 40	U6	SOP2-16 T	1
NXW-02	J3	NXW-02	1
NXW-04	J2	NXW-04	1
NXW-04-SMD	J7	NXW-04-SMD	1
NXW-05	J15	NXW-05 305T	1
OF-SMD2012W	D15, D16, D17, D18, D24	LED0805 B	5
RT7272B	U13	SO-8N T	1
RT8536	U21	DRV	1
SBK	FB10, FB11, FB12, FB13, FB14, L2, L10, L14, L16, L18	L0603	10
SM6T6V8CA	D19	SMB-diode	1
SM6T15CA	D1	SMB-DIODE 411T	1
SN74AC04PWR	U3	TSSOP14	1
STM32F767IIT6	U1	LQFP-176	1
STPS340U	D22	SMB-diode	1
TSOP32156	IC1, IC2	TSOP321xxH_B B	2
W5500	U12	LQFP48	1
XF2M40151A	J12	XF2M40151A T	1

PCB Project 514R1505W1Z0_PCB

Description/value	Designator	Footprint	Quantity
USB_B-TUEB4F2D0B	J6	USB_B	1
USB_A-MX-89485-8000	J8	USB_A	1
STPS2L60A	D1	DO-214AC-T	1
ST3232	U4	TSSOP16	1
SR050-06	F2, F4	R0805	2
SM6T6V8CA	D5	D_EC04-T	1
SD075-16	B1	F1812	1
SBK	L5, L6, L7, L11, L14, L16, L17	L0603	7
RT7272BGSP	U1, U2, U3	SO-8N	3
RJ45	J4	RJ45GE	1
FSMD050	F3	F1206	1
ECMF02-2AMX6	U5, U6	UQFN-6L	2
DHP8-09M	J3, J5	DB-9M-T	2
DC 2.1/5.5	J1	GNIAZDO_tAD	1
CM04RC04T	L1	CM04RC_2L	1
90325-0020	J7	MOLEX90325-0020	1
90325-0006	J2	MOLEX90325-0006	1
330n	C25, C29, C35	C0603	3
124k 1%	R3, R12	R0603	2
100u/25V	C6	cap_el_8x6_SMD	1
100n	C2, C3, C4, C5, C7, C13, C18, C38, C42, C43	C0603	10
100k	R2, R9	R0603	2
75R	R1, R19	R0603	2
62k 1%	R8	R0603	1
56k	R5, R11, R15	R0603	3
47n	C26	C0603	1
36k	R6, R16	R0603	2
27R	R7	R0603	1
24k	R13	R0603	1
22u/25V	C22, C23	R1206	2
22u/16V	C10, C11, C16, C17	C1206	4
12k 1%	R4, R10, R14	R0603	3
10uH	L2, L3, L4	DE0704	3
10u/25V	C19, C20	R1206	2
10u/25V	C8, C9, C14, C15	C1206	4
10u	C27	C0805	1
10n	C31, C34, C52, C53, C54, C55	C0603	6
2,2n	C12, C21, C24	C0603	3
1n	C28, C30, C36, C37, C39, C41, C47	C0603	7
1n	C32, C33	C1206	2
1k	R17, R18	R0603	2

PCB Project 514R1902W1Z0

Description/value	Designator	Footprint	Quantity
*100k	R20	R0603	1
1k	R17, R18	R0603	2

1n	C28, C30, C36, C37, C39, C47	C0603	6
1n	C32, C33	C1206	2
2,2n	C12, C21, C24	C0603	3
10n	C31, C34, C52, C53, C54, C55	C0603	6
10u	C27	C0805	1
10u/25V	C19, C20	R1206	2
10u/25V	C8, C9, C14, C15	C1206	4
10uH	L2, L3, L4	DE0704	3
12k 1%	R4, R10, R14	R0603	3
22u/16V	C10, C16, C17	C1206	3
22u/25V	C22, C23	R1206	2
24k	R13	R0603	1
27R	R7	R0603	1
36k	R6, R16	R0603	2
47n	C26	C0603	1
56k	R5, R11, R15	R0603	3
62k 1%	R8	R0603	1
75R	R1, R19	R0603	2
100k	R2, R9	R0603	2
100n	C1, C2, C3, C4, C5, C7, C13, C18, C38, C42, C43	C0603	11
124k 1%	R3, R12	R0603	2
220u/25V	C6	cap_el_8x10_SMD	1
330n	C25, C29, C35	C0603	3
820R	C11	C1206	1
90325-0020	J7	MOLEX90325-0020	1
CM04RC04T	L1	CM04RC_2L	1
DC 2.1/5.5	J1	GNIAZDO_ŁAD	1
DHP8-09M	J3, J5	DB-9M-T	2
ECMF02-2AMX6	U5, U6	uQFN-6L	2
FSMD050	F3	F1206	1
MOLEX90325-0006	J2	MOLEX90325-0006	1
RJ45	J4	RJ45GE	1
RT7272BGSP	U1, U2, U3	SO-8N	3
SBK	L5, L6, L7, L11, L14, L16, L17	L0603	7
SD075-16	B1	F1812	1
SM6T6V8CA	D5	D_EC04-T	1
SR050-06	F2, F4	R0805	2
ST3232BTR	U4	TSSOP16	1
STPS2L60A	D1	DO-214AC-T	1
USB_A-MX-89485-8000	J8	USB_A	1
USB_B-TUEB4F2D0B	J6	USB_B	1

PCB Project 515R1903W5Z0_PCB

Description/value	Designator	Footprint	Quantity
*0R	R1, R14, R17, R73	R0603	4
*1k5	R66	R0603	1
*1u	C60	C0805	1
*10n	C95	C0603	1
*10u	C48, C50, C94	C0805	3

*12k	R19, R26	R0603	2
*22p	C4, C56	C0603	2
*27R	R20, R21	R0603	2
*100n	C41	C0805	1
*100n	C46, C47	C0603	2
*120R	R27	R0603	1
*200R	R3, R4, R5	REZ 7.5	3
*BC817-40	T3	SOT23-T	1
*LL4148	D2	D Minimelf	1
*LT1763CS8#TRPBF	U14	SO-8	1
*NXW-09	J3	NXW-09	1
*OPA171AIDBVT	U8	SOT23-5	1
0R	R10	R0805	1
0R	R2	R0603	1
1k5	R11, R16	R0603	2
1n	C20, C21, C22, C23	C0603	4
1n	C42	C0805	1
1u	C31, C54	C0805	2
4n7 NP0	C13	C1206	1
4.9152MHz	X1	XTAL-13mm	1
10u	C15, C26, C28, C34, C37, C38, C51, C53, C57	C0805	9
10u X7R	C3, C5	C0805	2
22n NP0	C12	C1206	1
27R	R8	R0603	1
47k	R18	R0805	1
75R	R22	R0603	1
100k	R24	R0603	1
100n	C43, C44, C45	C0805	3
100n	C6, C9, C11, C16, C25, C27, C29, C32, C33, C35, C36, C39, C40, C49, C52, C55, C58, C59	C0603	18
100n X7R	C2, C7	C0603	2
100R 10ppm 1%	R6, R7	R0805	2
100uF/16v	C24, C30	CAP_TANTAL_A	2
150k	R13	R0805	1
200k	R12	R0805	1
220p	C1, C8, C10, C14, C17, C18, C19	C0603	7
220p	R9	R0603	1
300R	R23, R25	R1206	2
470k	R15	R0805	1
90325-3010	J2	MOLEX90325	1
BC807-40	T2	SOT23-T	1
BC817-40	T1	SOT23-T	1
C5V1	D1, D3	D Minimelf	2
CS5532-BSZ	U4	PSOP20	1
Shield	KU1	Shield	1
Female socket 2x13 2mm	J1	IDC26 RASTER 2mm	1
OP282G	U7	SO-8	1
REF192FSZ	U1	SO-8	1
SBK	L1, L2, L3, L4, L5, L14, L15, L16	L0603	8
SPX5205-2V5	U5	SOT23-5	1
TPS72325	U6	SOT23-5	1

PCB Project 515R1903W7Z0_PCB

Description/value	Designator	Footprint	Quantity
*0R	R1, R14, R17, R73	R0603	4
*1k5	R66	R0603	1
*1u	C60	C0805	1
*10n	C95	C0603	1
*10u	C48, C50, C94	C0805	3
*12k	R19, R26	R0603	2
*22p	C4, C56	C0603	2
*27R	R20, R21	R0603	2
*100n	C41	C0805	1
*100n	C46, C47	C0603	2
*120R	R27	R0603	1
*200R	R3, R4, R5	REZ 7.5	3
*BC817-40	T3	SOT23-T	1
*LL4148	D2	D Minimelf	1
*LT1763CS8#TRPBF	U14	SO-8	1
*NXW-09	J3	NXW-09	1
*OPA171AIDBVT	U8	SOT23-5	1
0R	R10	R0805	1
0R	R2	R0603	1
1k5	R11, R16	R0603	2
1n	C20, C21, C22, C23	C0603	4
1n	C42	C0805	1
1u	C31, C54	C0805	2
4n7 NP0	C13	C1206	1
4.9152MHz	X1	XTAL-13mm	1
10u	C15, C26, C28, C34, C37, C38, C51, C53, C57	C0805	9
10u X7R	C3, C5	C0805	2
22k	R13	R0805	1
22n NP0	C12	C1206	1
27R	R8	R0603	1
47k	R18	R0805	1
75k	R12	R0805	1
75R	R22	R0603	1
100k	R24	R0603	1
100n	C43, C44, C45	C0805	3
100n	C6, C9, C11, C16, C25, C27, C29, C32, C33, C35, C36, C39, C40, C49, C52, C55, C58, C59	C0603	18
100n X7R	C2, C7	C0603	2
100R 10ppm 1%	R6, R7	R0805	2
100uF/16v	C24, C30	CAP_TANTAL_A	2
200k	R15	R0805	1
220p	C1, C8, C10, C14, C17, C18, C19	C0603	7
220p	R9	R0603	1
300R	R23, R25	R1206	2
90325-3010	J2	MOLEX90325	1
BC807-40	T2	SOT23-T	1
BC817-40	T1	SOT23-T	1
C5V1	D1, D3	D Minimelf	2
CS5532-BSZ	U4	PSOP20	1
Shield	KU1	Shield	1

OP282G	U7	SO-8	1
REF192FSZ	U1	SO-8	1
SBK	L1, L2, L3, L4, L5, L14, L15, L16	L0603	8
SPX5205-2V5	U5	SOT23-5	1
T-515-MS-zm0	J1	IDC26 RASTER 2mm	1
TPS72325	U6	SOT23-5	1

PCB Project 515R1903W8Z0_PCB

Description/value	Designator	Footprint	Quantity
*0R	R1, R14, R17, R73	R0603	4
*1k5	R66	R0603	1
*1u	C60	C0805	1
*4n7 NP0	C13	C1206	1
*10n	C95	C0603	1
*10u	C48, C50, C94	C0805	3
*12k	R19, R26	R0603	2
*22p	C4, C56	C0603	2
*27R	R20, R21	R0603	2
*100n	C41	C0805	1
*100n	C46, C47	C0603	2
*100uF/25v	C30	CAP_TANTAL_A	1
*120R	R27	R0603	1
*200R	R3, R4, R5	REZ 7.5	3
*BC817-40	T3	SOT23-T	1
*C5V1	D3	D Minimelf	1
*LT1763CS8#TRP BF	U14	SO-8	1
*NXW-09	J3	NXW-09	1
*OPA171AIDBVT	U8	SOT23-5	1
*SBK	L15	L0603	1
*TPS72325	U6	SOT23-5	1
0R	R2, R9	R0603	2
0R 10ppm 1%	R6, R7	R0805	2
1k5	R11, R16	R0603	2
1n	C20, C21, C22, C23	C0603	4
1n	C42	C0805	1
1u	C31, C54	C0805	2
4k7	R10	R0805	1
4.9152MHz	X1	XTAL-13mm	1
10u	C15, C26, C28, C34, C37, C38, C51, C53, C57	C0805	9
10u X7R	C3, C5	C0805	2
22k	R13	R0805	1
22n NP0	C12	C1206	1
27R	R8	R0603	1
47k	R18	R0805	1
75k	R12	R0805	1
75R	R22	R0603	1
100k	R24	R0603	1
100n	C43, C44, C45	C0805	3
100n	C6, C9, C11, C16, C25, C27, C29, C32, C33, C35, C36, C39, C40, C49, C52, C55, C58, C59	C0603	18
100n X7R	C2, C7	C0603	2
100uF/25v	C24	CAP_TANTAL_A	1

200k	R15	R0805	1
220p	C1, C8, C10, C14, C17, C18, C19	C0603	7
300R	R23, R25	R1206	2
90325-3010	J2	MOLEX90325	1
AD780BRZ	U1	SO-8	1
BC807-40	T2	SOT23-T	1
BC817-40	T1	SOT23-T	1
CS5532-BSZ	U4	PSOP20	1
Shield	KU1	EKRAN	1
LL4148	D2	D Minimelf	1
OP282G	U7	SO-8	1
Resistor 0R 1206	D1	D Minimelf	1
SBK	L1, L2, L3, L4, L5, L14, L16	L0603	7
SPX5205-5V	U5	SOT23-5	1
T-515-PLUS-ZM.0	J1	IDC26 RASTER 2mm	1

PCB Project 541R2001W1Z0

Description/value	Designator	Footprint	Quantity
0,5A 8V	F1	F1206	1
1k	R3	R0603	1
27R	R1, R2	R0603	2
47u	C1	C1206	1
100n	C2, C3	C0402	2
LCBA	FB1	L0603	1
NXW-04	J1	NXW-04	1
USBA	J2	USBA_H	1

PCB Project 550R2010-PRJ-W01-Z00

Description/value	Designator	Footprint	Quantity
*0R	R120, R121, R124	R0603	3
*0R1	R1	R1/1206-T	1
*0R1	R70	R1206	1
*1u	C47	C0805	1
*10p	C5, C6	C0603	2
*25MHz	X5	XTAL-6mm	1
*32,768kHz	X2	XT_3.2x1.5	1
*33k	R82	MELF-0.25W	1
*75R	R118	R0603	1
*100n	C120	C0603	1
*220p	C119	C0603	1
*Listwa 1x2-2mm	JP4	HDR 1x2 2mm	1
*Listwa 1x4-2,54mm	J13	HDR1X4 2MM54 T	1
*MCP3421A1T-E/CH	U24	SOT23-6	1
*NXW-03-SMD	TMP1, TMP2	NXW-03-SMD	2
*NXW-04	J16	NXW-04	1
*NXW-05	J3	NXW-05	1
*NXW-06	J14	NXW-06 305T	1
*SBK	L1, L7	L0603	2
0R	R68, R123, R126, R137, R138	R0603	5

1k	R93, R94, R102, R105	R0603	4
1k1	R78	MELF-0.25W	1
1k5	R24, R27, R58, R96, R98, R112	R0603	6
1M	R35	R0603	1
1n	C118	C1206	1
1u	C134	C1206	1
1u	C16, C50, C100	C0805	3
1u	C93	Tantal_A	1
2k	R86, R87	R0603	2
2k2	R81	R0603	1
2k7	R55	R0603	1
2n2	C79	C0603	1
2n2	C89, C105	C1206	2
2u2	C2, C19	C0805	2
2u2	C90, C92	PHE426HD7220JR06L2	2
3k3	R42	R0603	1
3R3	R71	R1206	1
4k3	R5, R92, R107	R0603	3
4k7	R18, R22, R31, R51	R0603	4
4n7	C101	C1206	1
4u7	C69	C0805	1
6n8	C70, C74	C0603	2
6R2	R104	R0603	1
8k2	R43	R0805	1
8MHz	X1	XT_6x3.5	1
10k	R3, R16, R17, R32, R33, R34, R39, R40, R41, R50, R66, R85, R95, R99, R100, R117, R125, R127, R128, R129, R133, R134, R136, R140	R0603	24
10k	R8, R54	R0805	2
10k	R80	MELF-0.25W	1
10M	R11	R0805	1
10n	C112	CAP 6X11U	1
10n	C67, C75	C0603	2
10p	C3, C4, C51, C55, C142, C143	C0603	6
10R	R142, R143	R0603	2
10u	C137	C0402	1
10u	C77, C78	C1206	2
10u	C8, C12, C35, C60, C61, C86, C98, C103, C104, C122, C124, C129, C130, C139, C140, C141, C145, C146, C148	C0805	19
10uH	L19, L25	0704	2
12k	R21	R0603	1
12k4 1%	R36	R0603	1
18p	C72, C73	C0603	2
22n	C68	C0603	1
22n	C94	C1206	1
22R	R10, R12, R59, R61, R62	R0603	5
22u	C132	C1206	1
22u/25V	C80, C81	C1206	2
25MHz	X4	XT_6X3.5	1
27k	R9	R0603	1
27R	R139, R141	R0603	2
32,768kHz	X3	XT_3.2x1.5	1
36k	R48	R0603	1

47k	R6, R45, R52, R101, R106	R0603	5
47k	R76	MELF-0.25W	1
47n	C108	CAP 6X11U	1
49R9 1%	R2, R29, R30, R37, R38	R0603	5
50R	R119	R1206	1
51R	R14, R15	R0603	2
51R	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8	DR1206	8
56k	R49	R0603	1
68k	R60	R0805	1
68p	C117	C0603	1
75R	R89, R90, R122	R0603	3
82k	R13, R44	R0805	2
100k	R47, R67	R0603	2
100k	R73, R79	MELF-0.25W	2
100n	C1, C7, C9, C10, C11, C17, C18, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C49, C52, C54, C58, C59, C63, C64, C65, C66, C82, C83, C85, C91, C106, C107, C121, C123, C125, C126, C131, C135, C136, C138	C0402	56
100n	C13, C15, C48, C56, C57, C62, C76, C84, C87, C88, C95, C96, C97, C102, C144, C147, C160	C0603	17
100n	C71, C149	C1206	2
100p	C115	C0603	1
100R	R4, R20, R46, R53, R56, R57, R63, R64, R65, R69, R97, R114, R115	R0603	13
100u	C14, C99	CE-6.3x7.7	2
100u	C53	100uF/16V-SMD-JACKCON-T	1
200k	R111	R0603 305T	1
200R	R25, R28	R0603	2
220n	C133	C0603	1
220p	C109, C110, C111, C116, C127, C128	C0603	6
220R	R19	R0603	1
240R	R23, R26	R0603	2
470k	R77	MELF-0.25W	1
470R	R103	R0603	1
470R	RA13, RA14, RA15, RA16, RA17	DR1206	5
510R	R72, R74, R75	R0603	3
820R	R7	R1206	1
90325-0006	J17	MOLEX90325-0006 T	1
90325-0020	J6	MOLEX90325-0020 T	1
90325-3010	J4	MOLEX90325-0010	1
687106149022	J9	ZIF 06 R=0.5	1
?	C113, C114	C1206	2
AS4C8M16SA-7TCN	U7	TSOP2-54_M	1
BAT54S	D3, D4, D6, D7	SOT23-D	4
BC327-25	T10	TO-92	1
BC337-40	T9	TO-92	1
BC807-40	T1	SOT23-T	1
BC817-40	T5, T12, T13, T15, T16	SOT23-T	5
BSS123	T2, T3, T4, T7, T8	SOT23_T_MOS	5
CR2032	BAT1	CR2032H	1
DZ10V	D23, D27	D Minimelf	2
ESP-12	U15	ESP-12 B	1

FM25CL64B	U8	SO-8	1
FOX-768-25-384	X6	FOX-QUARZ-768-25-384	1
H1102NL	Tr1	TG41-NX	1
HDR 1X2 2mm	J7, J10	HDR 1X2 2MM	2
IRF7455PBF	T6	SO-8	1
KPTB-1612SURKCGKC	D14	KPTB-1612SURKCGKC B	1
KPX-1205B	BUZ1	BUZZ	1
L-934F3BT	D2, D13	LED1-3MM B	2
LCBA	FB1	L0603	1
LCBC	FB2, FB3	L1206	2
LED	D20, D21	LED0805	2
LED R	D8, D9	LED0805	2
Listwa 1x2-2mm	JP1, JP3	HDR 1x2 2mm	2
Listwa 1x4-2mm	J1, J8	HDR1X4 2MM 305T	2
LL4148	D5, D10, D11, D12	MINIMELF	4
LM317LCDR	U10	SO-8	1
LM337LMX/NOPB	U20	SO-8	1
LM393M	U9	so-8	1
M41R81	U4	SO-8	1
MB85RS256BPNF-G-JNERE1	U11	SO-8	1
MCP3421A0T-E/CH	U25	SOT23-6	1
N25Q128A13ESF40G	U2	SOP2-16 T	1
N25Q512A13GSF40	U6	SOP2-16 T	1
NXW-03	J2	NXW-03	1
NXW-04	J5, J11	NXW-04	2
NXW-05	J15	NXW-05 305T	1
OF-SMD2012W	D15, D16, D17, D18, D24	LED0805 B	5
OP177F	U17	so-8	1
OPA140AIDR	U19	so-8	1
RT7272B	U13	SO-8N T	1
RT8536	U21	DRV	1
SBK	FB10, FB11, FB12, FB13, FB14, L2, L3, L4, L5, L6	L0603	10
SM6T6V8CA	D19	SMB-diode	1
SM6T15CA	D1	SMB-DIODE 411T	1
SN74AC04PWR	U3	TSSOP14	1
SN74LVC1G74DCTR	U5	DCT	1
SN74LVC2G86DCTR	U18	DCT	1
STM32F767IIT6	U1	LQFP-176	1
STM32F767VIT6	U14	LQFP100	1
STPS340U	D22	SMB-diode	1
TLE2061C	U16	so-8	1
TSOP32156	IC1, IC2	TSOP321xxH_B B	2
W5500	U12	LQFP48	1
XF2M40151A	J12	XF2M40151A T	1

PCB Project 514R1504W1Z0_PCB

Description/value	Designator	Footprint	Quantity
*0R	R24, R25	R0603	2
*TACTR75H39R260	SW1	SW_pion	1
0R	R20, R21, R22, R23	R0603	4
1k	R17, R18	R0603	2
1n	C28, C30, C36, C37, C39, C41, C47	C0603	7
1n	C32, C33	C1206	2
2,2n	C12, C21, C24	C0603	3
10n	C31, C34, C52, C53, C54, C55	C0603	6
10u	C27	C0805	1
10u/25V	C19, C20	R1206	2
10u/25V	C8, C9, C14, C15	C1206	4
10uH	L2, L3, L4	DE0704	3
12k 1%	R4, R10, R14	R0603	3
22u/16V	C10, C11, C16, C17	C1206	4
22u/25V	C22, C23	R1206	2
24k	R13	R0603	1
27R	R7	R0603	1
36k	R6, R16	R0603	2
47n	C26	C0603	1
56k	R5, R11, R15	R0603	3
62k 1%	R8	R0603	1
75R	R1, R19	R0603	2
100k	R2, R9	R0603	2
100n	C1, C2, C3, C4, C5, C7, C13, C18, C38, C42, C43	C0603	11
124k 1%	R3, R12	R0603	2
220u/25V	C6	cap_el_8x10_SMD	1
330n	C25, C29, C35	C0603	3
90325-0006	J2	MOLEX90325-0006	1
90325-0020	J7	MOLEX90325-0020	1
CM04RC04T	L1	CM04RC_2L	1
DC 2.1/5.5	J1	GNIAZDO_tAD	1
DHP8-09M	J3, J5	DB-9M-T	2
ECMF02-2AMX6	U5, U6	UQFN-6L	2
FSMD050	F3	F1206	1
NFE61PT472C1H9L	F1	NFE	1
RJ45	J4	RJ45GE	1
RT7272BGSP	U1, U2, U3	SO-8N	3
SBK	L5, L6, L7, L11, L14, L16, L17	L0603	7
SD075-16	B1	F1812	1
SM6T6V8CA	D5	D_EC04-T	1
SR050-06	F2, F4	R0805	2
ST3232	U4	TSSOP16	1
STPS2L60A	D1	DO-214AC-T	1
USB_A-MX-89485-8000	J8	USB_A	1
USB_B-TUEB4F2D0B	J6	USB_B	1

PCB Project 630R1903-W01-Z01

Designator	Quantity	Description/value
KU5	1	KUB
KU1	1	KUB-00-12
R2, R3	2	*1k
C4	1	*1n
R5, R6	2	*4k7
C1	1	*10u
C6, C8, C12	3	*10u
R1	1	*27R
R8, R9, R10, R11	4	*51R
C3	1	*68p
C2	1	*100n
C11, C15	2	*100n
C7, C9, C13	3	*100n
C5, C10, C14	3	*220p
T2	1	*BSS123
U1	1	*LTC2057IS8#PBF
U2, U3	2	*MAX6325CSA+
R21	1	0R
R13, R14	2	1k
C30	1	1n
R16, R117	2	4k7
C160	1	10u
C35, C182	2	10u
C159	1	10u X7R
R136	1	20R
R84	1	27R
R123, R127	2	51R
C123	1	68p
C161	1	100n
C184	1	100n
C34, C183	2	100n
C158	1	100n X7R
C29, C36, C185	3	220p
T1	1	BSS123
U6	1	LTC2057IS8#PBF
U4	1	MAX6325CSA+
R4, R7	2	*?
J6	1	*NXW-04
R17, R20	2	?
J1	1	NXW-03

PCB project 472R1909-W01-Z00

Designator	Quantity	Description/value
R11, R15, R17, R27	4	*510
R8	1	1k
L3	1	1uH
R7	1	4k3
R2, R3, R4, R5	4	10k
C6	1	10u
C8, C9, C11	3	10u

R6	1	20k
C13	1	100n
C1, C3, C7, C10, C12, C17, C19	7	100n
R1	1	360R
R9, R12, R13, R14, R16, R18, R19, R23, R24, R25, R28, R30, R31, R32	14	510
T2	1	BC817-40
T1	1	FDN338
D2	1	LED R
U1	1	LIS3DSH
U3	1	SPX5205-3.3V
U2	1	STM32F042G6U6
J2	1	HDR1x4 2mm
S1	1	LM35DZ/NOPB
J1	1	NXW-04

PCB project 434R1509-W01-Z00

Designator	Quantity	Description/value
PCB1	1	- 434R1509 -
R1	1	3R3
C1, C2	2	10u
D1	1	STPS2L40U
L1	1	WE-SL2 SMD Common Mode Line Filter
J1	1	NXW-05
T1	1	TCST1230