

## BZ\_CM2020-WL-80 BOM

No.	Part No.	Part Name	Value	Unit	Quantity
1		Package box	CM-2020-WL-V1.0	pcs	1\12
2		EPE Foam bolster	CM-2020-DB-V1.0	pcs	2\12
3		EPE Foam upper cover	CM-2020-SG-V1.0	pcs	2\12
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## RF\_CM2020-WL-80-800-DNLINK

No.	Part No.	Part Name	Value	Unit	Quantity
1	AMP1	LNA	SPF5043	pcs	1
2	AMP14, AMP16, AMP19	Gain block	SKY65016	pcs	3
3	AMP17	Gain block	SKY65017	pcs	1
4	AMP18	PA	AH322	pcs	1
5	C17	SMT Capacitor	220uF/20V	pcs	1
6	C18, C135, C167, C183, C190, C19	SMT Capacitor	1n	pcs	20
7	C43, C54, C55, C121, C164, C166,	SMT Capacitor	100p	pcs	23
8	C50, C168, C189, C202, C220, C23	SMT Capacitor	2.2u	pcs	7
9	C51	SMT Capacitor	1uF	pcs	1
10	C69	SMT Capacitor	100uF/16V	pcs	1
11	C165, C170, C171, C198	SMT Capacitor	10n	pcs	4
12	C210	SMT Capacitor	3.3p	pcs	1
13	C221, C229	SMT Capacitor	10p	pcs	2
14	C223	SMT Capacitor	8.2nH	pcs	1
15	C226	SMT Capacitor	8.2p	pcs	1
16	C227	SMT Capacitor	22p	pcs	1
17	C235	SMT Capacitor	10uF/20V	pcs	1
18	C236	SMT Capacitor	18p	pcs	1
19	C239	SMT Capacitor	0.1u	pcs	1
20	D14, D15	IC	SMP1307-004LF	pcs	2
21	D16	IC	SMS7630-006LF	pcs	1
22	D17	SMT Capacitor	LED RED	pcs	1
23	F15, F16, F18, F20, F21	SAW Filter	B9022	pcs	5
24	F17	SMT Capacitor	100p	pcs	1
25	F19, F35	SAW Filter	HDF881E-S6	pcs	2

26	J4	SWITCH	SW-5	pcs	1
27	L10, L16, L24, L25, L26, L28, L30,	SMT Inductor	33nH	pcs	8
28	L31	SMT Inductor	18nH	pcs	1
29	R61	SMT Resistance	30R	pcs	1
30	R87, R92, R206	SMT Resistance	39R	pcs	3
31	R89	SMT Resistance	10R	pcs	1
32	R100, R102	SMT Resistance	560R	pcs	2
33	R101, R103, R104	SMT Resistance	1k	pcs	3
34	R107	SMT Resistance	180R	pcs	1
35	R109, R110, R111, R112, R113, R2	SMT Resistance	100R	pcs	7
36	R114, R118, R238	SMT Resistance	10k	pcs	3
37	R115, R116, R119, R121, R191	SMT Resistance	0R 1%	pcs	5
38	R120, R127	SMT Resistance	100R 1%	pcs	2
39	R122, R190	SMT Resistance	2.2k 1%	pcs	2
40	R123, R126, R128, R192, R232	SMT Resistance	1k 1%	pcs	5
41	R124	SMT Resistance	56k	pcs	1
42	R125	SMT Resistance	3.24k	pcs	1
43	R129, R130, R131, R132, R133	SMT Resistance	6.2k	pcs	5
44	R134	SMT Resistance	75R 1%	pcs	1
45	R135	SMT Resistance	430R 1%	pcs	1
46	R136, R137	SMT Resistance	51R	pcs	2
47	R138, R139	SMT Resistance	120R	pcs	2
48	R140	SMT Resistance	24R	pcs	1
49	R142	SMT Resistance	75R	pcs	1
50	R193	SMT Resistance	820R 1%	pcs	1
51	R244	SMT Resistance	68R	pcs	1
52	U10	IC	SKY12323-303LF	pcs	1
53	U11, U12	IC	LM2904	pcs	2

## CONTORL\_CM2020-WL-80

No.	Part No.	Part Name	Value	Unit	Quantity
1	C93,C157,C244,C273,C258,C283,C325,C326,C327,C328	SMT Capacitor	0.1uF	pcs	10
2	C323,C324	SMT Capacitor	22p	pcs	2
3	C158	SMT Inductor	330p	pcs	1
4	R7	SMT Resistance	100k	pcs	1
5	R88	SMT Resistance	20k	pcs	1
6	R97,R108,R184,R233,R234,R235	SMT Resistance	10k	pcs	6
7	R105,R209,R230,	SMT Resistance	1k	pcs	3
8	LED3	LED	dichromatic LED	pcs	1
9	D10,D12	Diode	1N4148	pcs	2
10	S2	Switch	DIP Switch	pcs	1
11	U7	IC	SP706SEN	pcs	1
12	U18	IC	LPC1111	pcs	1
13	U19	IC	MAX3232	pcs	1
14	U16	IC	FM24C16	pcs	1
15	Ss1	key	Reset key	pcs	1
16	J6, J7	contact pin		pcs	2

## JG\_CM2020-WL-80 BOM

No.	Part No.	Part Name	Value	Unit	Quantity
1		external shell		pcs	1
2		upper cover		pcs	1
3		N connect		pcs	2
4		M2.5*8 roundhead screw	roundhead/ stainless steel	pcs	35
5		M2.5*6 FHCS	butch haircut/ stainless steel	pcs	52
6		M3*7 roundhead screw	roundhead /stainless steel	pcs	8
7		PCB	CM2020-WL-80	pcs	1
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## PW\_CM2020-WL-80

No.	Part No.	Part Name	Value	Unit	Quantity
1	C35,C59,C131,C182,C199,C218,C298,	SMT Capacitor	0.1u	pcs	7
2	C60,C154, C159, C160,C161,C181,C185,C186, C188,C192,C211,C213	SMT Capacitor	10uF/20V	pcs	12
3	L6,L21,L46,	SMT Inductor	15uH	pcs	3
4	D23,D25	Diode	1N4148	pcs	2
5	R90,R91,R106	SMT Resistance	2k	pcs	3
6	R42,R93,R141	SMT Resistance	4.7k	pcs	3
7	R9,R221,R231	SMT Resistance	1k	pcs	3
8	C162, C187,C216,C194	Capacitor	220uF/20V	pcs	4
9	R6,R85	SMT Resistance	649R	pcs	2
10	C163	SMT Capacitor	100p	pcs	1
11	C301	SMT Capacitor	1nF	pcs	1
12	C289	SMT Capacitor	1uF	pcs	1
13	D13,D24,D26	Diode	MBRA340T3G	pcs	3
14	U8,U9,U20	Power Supply Module	SP7656	pcs	3
15	J3	Power socket		pcs	1

## RF\_CM2020-WL-80-1900-DNLINK

No.	Part No.	Part Name	Value	Unit	Quantity
1	AMP2, AMP3, AMP4, AMP26	SMT Capacitor	SKY65016	pcs	4
2	AMP5	SMT Resistance	SKY65017	pcs	1
3	AMP6	PA	AH322	pcs	1
4	AMP15	LNA	SPF5043	pcs	1
5	C1, C6, C7, C33	SMT Capacitor	10n	pcs	4
6	C2, C5, C8, C9, C10, C11, C12, C13, C20, C23, C27, C34, C38, C39, C42, C46, C47, C49, C52, C67, C271, C288, C321, C336, C337	SMT Capacitor	100p	pcs	25
7	C3, C19, C21, C25, C26, C28, C30, C31, C32, C36, C40, C41, C44, C63, C65, C68, C72, C75, C256, C300, C335	SMT Capacitor	1n	pcs	21
8	C4, C22, C24, C66, C73, C74, C129, C333	SMT Capacitor	2.2u	pcs	8
9	C14, C15, C16, C29	SMT Capacitor	0.5p	pcs	4
10	C45, C53, C61	SMT Capacitor	3.3p	pcs	3
11	C48, C64	SMT Capacitor	10p	pcs	2
12	C56	SMT Capacitor	1p	pcs	1
13	C57	SMT Capacitor	1uF	pcs	1
14	C62	SMT Capacitor	22p	pcs	1
15	C70	SMT Capacitor	10uF/20V	pcs	1
16	C71	SMT Capacitor	18p	pcs	1
17	C153	SMT Capacitor	100uF/16V	pcs	1
18	C322	SMT Capacitor	2.2p	pcs	1
19	C334	SMT Capacitor	220uF/20V	pcs	1
20	C341	SMT Capacitor	5pF	pcs	1
21	D1, D2	IC	SMP1307-004LF	pcs	2
22	D3	IC	SMS7630-006LF	pcs	1
23	D4	LED	LED RED	pcs	1
24	F1	SMT Capacitor	100p	pcs	1

25	F2, F3, F4, F5, F6, F7, F44, F45	SAW Filter	B9007	pcs	8
26	F32, F46	SAW Filter	HDF1960E-S6	pcs	2
27	J1	Switch	SW-5	pcs	1
28	L1, L2, L3, L4, L5, L7, L9, L33, L44	SMT Inductor	33nH	pcs	9
29	L8	SMT Inductor	18nH	pcs	1
30	L29, L43, L45, L47, L48, L49	SMT Inductor	3.3nH	pcs	6
31	R1, R3	SMT Resistance	560R	pcs	2
32	R2, R4, R5	SMT Resistance	1K	pcs	3
33	R8	SMT Resistance	180R	pcs	1
34	R10, R11, R12, R13, R14	SMT Resistance	100R	pcs	5
35	R15, R19, R242	SMT Resistance	10k	pcs	3
36	R16, R17, R20, R22, R203	SMT Resistance	0R 1%	pcs	5
37	R21, R28	SMT Resistance	100R 1%	pcs	2
38	R23, R202	SMT Resistance	2.2k 1%	pcs	2
39	R24	SMT Resistance	820R 1%	pcs	1
40	R25	SMT Resistance	56k	pcs	1
41	R26	SMT Resistance	3.24k	pcs	1
42	R27, R29, R36, R189, R204, R239	SMT Resistance	1k 1%	pcs	6
43	R30, R31, R32, R33, R34	SMT Resistance	6.2k	pcs	5
44	R35	SMT Resistance	75R 1%	pcs	1
45	R37	SMT Resistance	51R	pcs	1
46	R38	SMT Resistance	39R	pcs	1
47	R39, R40	SMT Resistance	150R	pcs	2
48	R41	SMT Resistance	24R	pcs	1
49	R43	SMT Resistance	75R	pcs	1
50	R217, R219, R220, R229	SMT Resistance	39R	pcs	4
51	R218	SMT Resistance	10R	pcs	1
52	R225	SMT Resistance	30R	pcs	1
53	R247	SMT Resistance	0R	pcs	1
54	U1	IC	SKY12323-303LF	pcs	1
55	U2, U3	IC	LM2904	pcs	2

## RF\_CM2020-WL-80-1900-UPLINK

No.	Part No.	Part Name	Value	Unit	Quantity
1	AMP8, AMP9, AMP10, AMP25	Gain Block	SKY65016	pcs	4
2	AMP11	Gain Block	SKY65017	pcs	1
3	AMP12	PA	AH322	pcs	1
4	AMP13	LNA	SPF5043	pcs	1
5	C76, C81, C82, C108	SMT Capacitor	10n	pcs	4
6	C77, C80, C84, C85, C86, C87, C88, C95, C98, C102, C109, C113, C114, C117, C122, C124, C126, C133, C142, C275, C305, C329, C330	SMT Capacitor	100p	pcs	23
7	C78, C94, C96, C100, C101, C103, C105, C106, C107, C110, C111, C115, C116, C119, C140, C143, C147, C150, C274, C331	SMT Capacitor	1n	pcs	20
8	C79, C97, C99, C112, C123, C141, C148, C149, C332	SMT Capacitor	2.2u	pcs	9
9	C83, C104, C125, C127	SMT Capacitor	3.3nH	pcs	4
10	C89, C90, C91, C92, C132	SMT Capacitor	0.5p	pcs	5
11	C120, C128, C136	SMT Capacitor	3.3p	pcs	3
12	C130, C340	SMT Capacitor	1p	pcs	2
13	C137	SMT Capacitor	22p	pcs	1
14	C139	SMT Capacitor	10p	pcs	1
15	C144, C145	SMT Capacitor	10uF/20V	pcs	2
16	C146	SMT Capacitor	18p	pcs	1
17	C151	SMT Capacitor	100uF/16V	pcs	1
18	D5, D6	IC	SMP1307-004LF	pcs	2
19	D7	IC	SMS7630-006LF	pcs	1
20	D8	LED	LED RED	pcs	1
21	DUP1	Duplexer	SRP1880R1960N10N60FN	pcs	1
22	DUP2	Duplexer	SRP1880F1960N10N60FN	pcs	1
23	F8, F9	SMT Capacitor	100p	pcs	2

24	F10, F11, F13, F14, F40, F41, F42	SAW Filter	B9014	pcs	7
25	F12, F31	SAW Filter	HDF1880U	pcs	2
26	J2	Switch	SW-5	pcs	1
27	L11, L12, L13, L14, L15, L17, L19, L23, L27	SMT Inductor	33nH	pcs	9
28	L18	SMT Inductor	18nH	pcs	1
29	R44, R46	SMT Resistance	560R	pcs	2
30	R45, R47, R48	SMT Resistance	1k	pcs	3
31	R49	SMT Resistance	72R	pcs	1
32	R50, R52, R53, R54, R55, R56, R57	SMT Resistance	100R	pcs	7
33	R51	SMT Resistance	180R	pcs	1
34	R58, R62	SMT Resistance	10k	pcs	2
35	R59, R60, R65, R199, R223	SMT Resistance	0R 1%	pcs	5
36	R63, R70, R72, R200	SMT Resistance	1K 1%	pcs	4
37	R64, R71	SMT Resistance	100R 1%	pcs	2
38	R66, R198	SMT Resistance	2.2K 1%	pcs	2
39	R68	SMT Resistance	56k	pcs	1
40	R69	SMT Resistance	3.24k	pcs	1
41	R73, R74, R75, R76, R77	SMT Resistance	6.2k	pcs	5
42	R78, R86	SMT Resistance	75R 1%	pcs	2
43	R79	SMT Resistance	430R 1%	pcs	1
44	R80, R81	SMT Resistance	51R	pcs	2
45	R82, R83	SMT Resistance	120R	pcs	2
46	R84	SMT Resistance	24R	pcs	1
47	R188	SMT Resistance	30R	pcs	1
48	R201	SMT Resistance	820R 1%	pcs	1
49	R212, R214, R215, R216	SMT Resistance	39R	pcs	4
50	R213	SMT Resistance	10R	pcs	1
51	U4	IC	SKY12323-303LF	pcs	1
52	U5, U6	IC	LM2904	pcs	2

## RF\_CM2020-WL-80-800-UPLINK

No.	Part No.	Part Name	Value	Unit	Quantity
1	AMP7	LNA	SPF5043	pcs	1
2	AMP20, AMP21	Gain block	SKY65016	pcs	2
3	AMP22	Gain block	SKY65017	pcs	1
4	AMP23	0805 SMT Resistance	0R	pcs	1
5	AMP24	PA	AH322	pcs	1
6	C118	SMT Capacitor	100uF/16V	pcs	1
7	C222, C262, C278, C318	SMT Capacitor	2.2u	pcs	4
8	C225, C243, C259, C263, C264, C265	SMT Capacitor	1n	pcs	18
9	C234, C242, C246, C250, C251, C252	SMT Capacitor	100p	pcs	21
10	C241, C247, C248, C270	SMT Capacitor	10n	pcs	4
11	C245, C249, C255, C286, C299	SMT Capacitor	0.5p	pcs	5
12	C290	SMT Capacitor	3.3p	pcs	1
13	C297, R163, R164, R167, R169, R170	SMT Capacitor	0R 1%	pcs	6
14	C302, C309	SMT Capacitor	10p	pcs	2
15	C303	SMT Capacitor	8.2nH	pcs	1
16	C306	SMT Capacitor	8.2p	pcs	1
17	C307	SMT Capacitor	22p	pcs	1
18	C314, C315	SMT Capacitor	10uF/20V	pcs	2
19	C316	SMT Capacitor	18p	pcs	1
20	C319	SMT Capacitor	0.1u	pcs	1
21	D18, D19	IC	SMP1307-004LF	pcs	2
22	D20	IC	SMS7630-006LF	pcs	1
23	D21	LED	LED RED	pcs	1
24	DUP3, DUP5	DUPLEXER	0859DP18A1920	pcs	2
25	DUP4	DUPLEXER	SRP836F881N10N25FG	pcs	1
26	DUP6	DUPLEXER	SRP836R881N10N25FG	pcs	1
27	F22, F23, F25, F27, F28	SAW Filter	B9003	pcs	5
28	F24	SMT Capacitor	100p	pcs	1
29	F26, F38	SAW Filter	HDF836E-S6	pcs	2

30	J5	SWITCH	SW-5	pcs	1
31	L20, L22, L34, L35, L36, L37, L42	SMT Inductor	33nH	pcs	7
32	L39	SMT Inductor	3.3nH	pcs	1
33	L41	SMT Inductor	18nH	pcs	1
34	R67	SMT Resistance	30R	pcs	1
35	R143, R145	SMT Resistance	560R	pcs	2
36	R144, R146, R147	SMT Resistance	1k	pcs	3
37	R148	SMT Resistance	0R	pcs	1
38	R150	SMT Resistance	180R	pcs	1
39	R152, R153, R154, R155, R161, R162	SMT Resistance	100R	pcs	6
40	R156, R157, R158, R159, R160	SMT Resistance	6.2k	pcs	5
41	R162, R166	SMT Resistance	10k	pcs	2
42	R168	SMT Resistance	100R 1%	pcs	1
43	R170, R194	SMT Resistance	2.2k 1%	pcs	2
44	R171	SMT Resistance	820R 1%	pcs	1
45	R172	SMT Resistance	56k	pcs	1
46	R173	SMT Resistance	3.24k	pcs	1
47	R174, R176, R196, R197	SMT Resistance	1k 1%	pcs	4
48	R177, R185	SMT Resistance	75R 1%	pcs	2
49	R178	SMT Resistance	430R 1%	pcs	1
50	R179	SMT Resistance	51R	pcs	1
51	R180	SMT Resistance	18R	pcs	1
52	R181, R182	SMT Resistance	300R	pcs	2
53	R183	SMT Resistance	24R	pcs	1
54	R207, R211	SMT Resistance	39R	pcs	2
55	R208	SMT Resistance	10R	pcs	1
56	U13	IC	SKY12323-303LF	pcs	1
57	U14, U15	IC	LM2904	pcs	2