



# Parts List Radiant WNRCB4

## BOM of 4-button scene controller

radiant scene control

Item/ alternative	P&S P/N	Rocom P/N	Description	Position	Qty	Manufacturer Mfg	Manufacturer P/N Mfg P/N
			PCB Assembly	A0-564008-0			
1	TBD	26-564000-0-L	CELL BATTERY 3V, 220mAH,OD20mm,H3.2mm	(BAT1)	1	PANASONIC	CR2032N/BN
2	TBD	29-564000-0-L	PET, L66.5mm, W10mm,T0.15mm,	(BAT1)	1	海钧电子	PET-01
			PCB SMT Assembly	A0-564108-0			
1	422423	16-100920-2-L	Cap 10pF 5% 50V COG 0402	C13,C14	2	WALSIN	0402N100J500
alt		16-100920-1-L				YAGEO	CC0402JRNPO9BN100
alt		16-100920-0-L				FENGHUA	0402CG100J500NT
2	422350	16-104980-0-L	Cap 100nF 10% 25V X7R 0402	C2,C5,C9,C11	4	FENGHUA	0402B104K250NT
alt		16-104980-2-L				NIC	NMC0402X7R104K25TRPF
alt		16-104980-3-L				WALSIN	0402B104K250
alt		16-104980-1-L				Johanson	250R07W104KV4T
alt		16-104980-4-L				YAGEO	CC0402KRX7R8BB104
3		422425				16-105983-0-L	CAP,1uF +/-10%,6.3V X7R, 0402
alt	16-105983-1-L		WALSIN	0402X105K6R3			
alt	16-105983-2-L		YAGEO	CC0402KRX5R5BB105			
4	422317	16-106190-0-L	Cap,10uF 6.3V 20%, X5R 0603	C1,C6,C7	3	FENGHUA	0603X106M6R3NT
alt		16-106190-1-L				WALSIN	0603X106M6R3
alt		16-106190-2-L				YAGEO	CC0603MRX5R5BB106
5	424749	06-821701-0-L	Resistor 820R 5% 1/16W 0402	R10	1	Walsin	WR04X821JTL
6	424731	06-102504-1-L	Res 1k 1% 1/16W 0402	R12	1	WALSIN	WR04X1001FTL
alt		06-102504-0-L				EVEROHMS	CR0402F1KQ10
alt		06-102504-2-L				YAGEO	RC0402FR-071KL
7	424532	06-472788-2-L	Res 4k7 1% 1/16W 0402	R11	1	WALSIN	WR04X472JTL
alt		06-472788-0-L				FENGHUA	RC-02W472JT
alt		06-472788-1-L				YAGEO	RC0402JR-074K7
8	424716	06-105507-0-L	RES 1Mohm 5% 1/16W 0402	R1,R2,R3,R6,R7,R8, R9,R13	8	WALSIN	WR04X105JTL
9	424734	06-103507-3-L	Res 10k 1% 1/16 W 0402	R4,R5,R14	3	WALSIN	WR04X1002FTL
alt		06-103507-1-L				FENGHUA	RC-02W103FT
alt		06-103507-2-L				YAGEO	RC0402FR-0710K
alt		06-103507-0-L				EVEROHMS	CR0402F10KQ10
12		423130				41-560000-0-L	Chip Inductor 5.6nH±0.3nH, 650mA 0402
13	422452	16-010402-0-L	CAP 1.0pF ±0.1pF 50V COG 0402	C3	1	MURATA	GCM1555C1H1R0BA16D
14	427011	26-250039-0-L	Crystals 16.000MHz 10ppm -20 +70C 10pF	X1	1	TXC Corporation	7M-16.000MEEQ-T
alt		26-250039-1-L				ABRACON	ABM8-16.000MHZ-10-1-U-T
alt		26-250039-2-L				NDK	NX3225SA-16.000000MHZ-T1
15	421113	19-348000-0-L	LED SMD RGB OSRAM LRTB R48G 1.0x1.0	LD1R	1	OSRAM	LRTB R48G
16	435154	04-400005-0-L	Push Button, SPST SMD	PB1R,PB2R,PB3R,P B4R,PB5	5	CHIFUNG	TS-1107G-2
17	421120	14-414806-0-L	DIODE 150mA 75V,SOD323	D1,D2,D3,D4,D5,D6, D7	7	DIODES	1N4148WS-7
alt		14-414806-1-L				JF	1N4148WS
18	431453	18-564006-0-L	PCB FR4,UL-94V0, 65.94x32.44x0.8mm,4Layers,Immeresion gold;	radiant scene PCB	1	MAOCHANG	/
20	435219	21-564000-0-L	Battery holders, COIN CELL CR2032	BAT1	1	Linx	BAT-HLD-001-TR
21	425470	15-321200-0-L	IC Ultra low-power 3-axis accelerometer LIS2DE12 2mmx2mmx1mm (LGA-12)	U1	1	ST MICRO	LIS2DE12TR
22	425469	15-245015-0-L	IC Signal Conditioning 2.45GHz BALUN/FILTE	U3	1	JOHANSON	2450BM15A0015
23	425468	15-211900-0-L	ATMEL IC RF MCU ATSAMR21E19A-MFT	U2	1	ATMEL	ATSAMR21E19A-MFT
24	425486	14-309900-0-L	MOSFET P-CHANNEL 30V 3.8A SOT23	Q1	1	Diodes	DMP3099L-7
25	425331	14-503800-0-L	N-MOSFET,50V 0.22A SOT23	Q2	1	FAIRCHILD	BSS138
alt		14-503800-1-L				N-MOSFET,50V 0.22A SOT23	LRC