	ASSEMBLY # PCA191			
	Recessed Door/Window XCVR **PRELIMINARY**			
Part #	**Description**	**Location**	**Qty**	**Manufacturer and Part Number**
PC191A	PCB, Recessed D/W XCVR, 4-layer, Gold Plated, 1.300" by 0.650"		1	ELK Custom design
CSM04023D104K	Capacitor, 0.1uF, 25V, X5R, 0402 SMT	C1,C3,C14	3	TDK Corp C1005X5R1E104K
CSM04023A101J	Capacitor, 100pF, 25V, C0G, 5%, 0402 SMT	C4,C16	2	KEMET C0402C101J3GACTU
				AVX Corp 04025A101KAT2A
CSM04025A0R5J	Capacitor, 0.5pF, 50V, C0H, 5%, 0402 SMT	C17 -**DO NOT POPULATE**	0	UVK105CH0R5BW-F
				KEMET C0402C508C5GACTU
CSM04025A2R2J	Capacitor, 2.2pF, 50V, C0H, 5%, 0402 SMT	C12	1	Johanson 500R07S2R2BV4T
				KEMET C0402C229C5GACTU
CSM04025A3R0J	Capacitor, 3.0pF, 50V, C0H, 5%, 0402 SMT	C8	1	Johanson 500R07S3R0BV4T
				KEMET C0402C309C5GACTU
CSM04025A4R3J	Capacitor, 4.3pF, 50V, C0G, 5%, 0402 SMT	C9	1	Johanson 500R07S4R3BV4T
				KEMET C0402C439C5GACTU
CSM04025A4R7J	Capacitor, 4.7pF, 50V, C0G, 5%, 0402 SMT	C7,C10,C13	3	Johanson 500R07S4R7BV4T
				KEMET C0402C479C5GACTU
CSM04025A6R8J	Capacitor, 6.8pF, 50V, C0G, 5%, 0402 SMT	C11	1	Johanson 500R07S6R8CV4T
CSM04025A330J	Capacitor, 33pF, 50V, C0G, 0402 SMT	C5	1	AVX Corp 04025A330JAT2A
				KEMET C0402C330J5GACTU
CSM0402YD105K	Capacitor, 1uF, 16V, X5R, 0402 SMT	C15	1	C1005X5R1C105K
CSM0603YD225K	Capacitor, 2.2uF, 16V, X5R, 0603 SMT	C2	1	C1608X5R1C225K
CSM06036G475Z	Capacitor, 4.7uF, 6.3V, Y5V, 0603 SMT	C6	1	GRM188F50J475ZE20D
DSMLED0603-GRNRED	LED, Dual Color, Green Red, 0603	D1	1	Avago Tech # HSMF-C165
				SunLED # XZMGUR53W-9
DSMSCHSOD323-200-010	Diode, Schottky, 20V, 1A, SOD-323	D2	1	NSR1020MW2T1G
ANTSM-915MHZ-7X2	Antenna, 915MHz, 7mm X 2mm SMT	ANT1	1	Johanson 0915AT43A0026E
LSMCC0402-101-A10	Inductor, 100nH, 100mA, 0402	L4	1	Johanson L-07CR10JV6T
LSMCC0402-100-A25	Inductor, 10nH, 250mA, 0402	L7	1	Johanson L-07C10NJV6T
LSMCC0402-120-A25	Inductor, 12nH, 250mA, 0402	L1	1	Johanson L-07C12NJV6T
LSMCC0402-160-A56	Inductor, 16nH, 560mA, 0402	L3	1	Johanson L-07C16NJV6T
				Wurth Elec 744765116A
LSMCC0402-8N2-A25	Inductor, 8.2nH, 250mA, 0402	L2	1	Johanson L-07C8N2JV6T
LSMCC0402-7N5-A25	Inductor, 7.5nH, 250mA, 0402	L9	1	Johanson L-07C7N5JV6T
LSMCC0402-9N1-A50	Inductor, 9.1nH, 500mA, 0402	L6	1	TDK Corp MLG1005S9N1J
LSMCC0402-4N7-A30	Inductor, 4.7nH, 300mA, 0402	L8 - **DO NOT POPULATE**	0	L-07C4N7SV6T
ISMCPU-SI1012-LGA42	IC, Microcontroller w/ RF Transceiver,Si1012, 42-pin LGA	U1	1	Silicon Labs Si1012-C-GM2
	(16KB Flash, 768B RAM, +13dbm)			
RSM0402-39R0J	Resistor, 39 Ohm, 0.063W, 5%, 0402 SMT	R3	1	RC0402JR-0739RL
RSM0402-3300J	Resistor, 330 Ohm, 0.063W, 5%, 0402 SMT	R4	1	RC0402JR-07330RL
RSM0402-1001J	Resistor, 1K Ohm, 0.063W, 5%, 0402 SMT	R2	1	RC0402JR-071KL
RSM0402-1002J	Resistor, 10K Ohm, 0.063W, 5%, 0402 SMT	R1	1	RC0402JR-0710KL
RSM0402-1004J	Resistor, 1Meg Ohm, 0.063W, 5%, 0402 SMT	R5, R6	2	RC0402JR-071ML
YSM2.5X2.0-30M	CRYSTAL, 30MHz, 2.5mm X 2.0mm Surface Mount	Y1	1	Transko CS22-F1010FM10-30.000M
				HELE X2B030000BA1H-HU
				TAI-SAW TZ1430A

ELK-6023

Recessed Switch Board Assembly Preliminary BOM

YSM2.0X1.2-32K768	CRYSTAL, 32.768KHz, 12.5pF, 2.0mm X 1.2mm Surface Mount	Y2 - DO NOT POPULATE	0	CTS # TF202P32K7680
SWSMREED-MD-17	Switch, Reed, Overmolded Body, 17mm L,Sensitivity AT10-15, SMT	S1	1	Hamlin # 59166-1-S-00-D
SWSMDETECTOR-NO-5.5x4.0	Switch, Detector, N.O., 5.55 X 4.00mm SMT	S2	1	Diptronics # FTE-2C
				C&K # SDS001
Final Assembly and Packaging Items				
BATT-3V6-05AA-LI	Battery, 1/2AA Size, 3.6V, 100mAh, 14.5mm x 25.2mm, Lithium	BT1	1	Xeno XL-050F
PH038A	Plastic Housing, Tube, ELK-6023, Recessed Door Sensor		1	ELK Custom Designed Plastic
PH039A	Plastic Housing, Cap, ELK-6023, Recessed Door Sensor		1	ELK Custom Designed Plastic
H233	Battery Clip, .063" PCB Edge Mount, Polarized		1	ELK Custom Designed
H245	Battery Contact Assembly, 1/2 AA		1	ELK Dwg # 61205766
Magnet Assembly				
PH040A	Plastic Housing, Magnet, ELK-6023, Recessed Door Sensor		1	ELK Custom Designed Plastic
H2XX	Magnet, .500" Dia. X .500", N45		1	TBD
H236	Screw, Sheet Metal, #4 Flat Head CS, Phillips, Zinc Pltd Steel, 1/2"		2	
CB028A	Cardboard, Chipboard box for wireless transmitters		1	
L639	Label, Tri-color w/Elk Logo for wireless products 1.9375" x 5.3750"		1	
L637	Label, Zebra Z-Ultimate 3000T, 1/2 X 1"		2	
L6XX	Instructions, ELK-6023 Recessed Door Sensor		1	
		Total number of parts	51	