

National Electronics & Watch Co.,Ltd.

BILLS OF MATERIAL

Report id :rcost4 Model->100328800008

0 5 7 6RQ&RP SXMU U, WOLON 2' 8/(71

Group	L#	Part no.	Description	Remark	Use	UOM
CPU Circuit	01	3280228	CHIP CAP 0.1uF +80/-20% 0603	(RoHs)	1	PCS
	02	3280301	CHIP CAP 0.1uF +80/-20% 0402	(RoHs)	4	PCS
	03	3301071	MCU1	(RoHs)	1	PCS
	04	3720237	CHIP RESISTOR 100K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	05	3930050	CHIP TANT. CAP 100uF (3.5X2.8mm)	(B Size)(+/-20%)(RoHs)	1	PCS
	06	3280291	CHIP CAP 0.22uF +80/-20% 0603	(RoHs)	4	PCS
	07	3930066	CHIP TANT. CAP 220uF (+/-20%)	(4V)(Case Size : B) (RoHs)	1	PCS
Oscillator C	08	3280249	CHIP CAP 15pF +/-5% 0603	(RoHs)	1	PCS
	09	3340103	CRYSTAL 10.5pF Dia.3x8mm	(+/-20ppm) (RoHs)	1	PCS
Power Circui	10	3280288	CHIP CAP 1uF +80/-20% 0603	(10V)(RoHs)	2	PCS
	11	3390051	DIODE BAT54C(SOT23)(Schottky	Barrier(Dou.)Diode)(PHILIPS)RoHs	1	PCS
PCB Circuit	12	365197906F00	PCB M04-451T REV.6 (FR-4 1.0mm)	(T:T494-3013-6) Dou.Side(RoHs)	1	PCS
	15	3411938	DISPLAY 61901TR (M04-451/452)(TN	)(RoHs)Ref.23.3x48.8x0.7mm(3.0)	1	PCS
R.C.Dig.2.4G	17	3280371	CHIP CAP 1pF +/-0.1pF 0603	(Kemet)(RoHs)	3	PCS
	18	3280479	CHIP CAP 18pF +/-2% NPO 0603	(50V)(RoHs)	2	PCS
	19	3280399	CHIP CAP 4.7pF +/-0.25pF 0603	(Yageo)(RoHs)	2	PCS
	20	3280501	CHIP CAP 1000pF +/-5%(X7R)0603	(RoHs)	1	PCS
	21	3280457	CHIP CAP 0.01uF +/-5% 0603	(X7R)(RoHs)	1	PCS
	22	3280495	CHIP CAP 2200pF +/-5% 0603	(X7R)(RoHs)	1	PCS
	23	3280502	CHIP CAP 0.033uF +/-10% 0603	(X7R)(RoHs)	1	PCS

	24	3280372	CHIP CAP 2.2pF +/-0.25pF 0603	(RoHs)	1	PCS
	25	3301295	MCU2		1	PCS
	26	3310356	CHIP COIL 10nH (TOKO)(0603)(RoHs)	)(LL1608-FSL10NJ)	1	PCS
	27	3310362	CHIP COIL 5.6nH (TOKO)(0603)(+/-	0.3nH)(RoHs)(LL1608-FSL5N6S)	2	PCS
	28	3310413	CHIP COIL 3.9nH (0603)(+/-0.3nH)	(SWI0603CT3N9S)(RoHs)Ceramic Material	1	PCS
	29	3720138	CHIP RESISTOR 1M Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
	30	3720441	CHIP RESISTOR 22K Ohm (1%) 0603	(+/-1%)(RoHs)	1	PCS
	31	3340117	CRYSTAL 16MHz (TSX-4025) (9 pF)	(10ppm) (RoHs)	1	PCS
	32	407042200121	METAL PLATE T494-4010	(0.15mm S.S. W/GD Plated)(RoHs)	1	PCS
	33	3720179	CHIP RESISTOR 150K Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
ESD Parts	41	3280301	CHIP CAP 0.1uF +80/-20% 0402	(RoHs)	2	PCS
Debounce	43	3280342	CHIP CAP 2200pF +/-10% 0402	(RoHs)	1	PCS
	44	3720224	CHIP RESISTOR 120 Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
	45	3720245	CHIP RESISTOR 1M Ohm (5%) 0402	(+/-5%)(RoHs)	3	PCS
	46	3720247	CHIP RESISTOR 10K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	47	3720256	CHIP RESISTOR 270K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	48	3720269	CHIP RESISTOR 330K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	49	3720299	CHIP RESISTOR 4.7M Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	50	3940058	TRANSISTOR BC846W (NPN)	Minimold Type(RoHs)	1	PCS
	51	3940059	TRANSISTOR BC856W (PNP)	Minimold Type(RoHs)	2	PCS
	52	3280228	CHIP CAP 0.1uF +80/-20% 0603	(RoHs)	1	PCS
	53	3280301	CHIP CAP 0.1uF +80/-20% 0402	(RoHs)	2	PCS
	54	3990149	JUMPER WIRE 2+5+2mm WHITE	(RoHs)	1	PCS
	55	3950077	TRANSDUCER 7.5/9.0mm (Copper)	(RoHs)	1	PCS

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Au Yang/Mr.Ho Mr.Bery Tse Mr.CP So.

National Electronics & Watch Co.,Ltd.						BILLS OF MATERIAL		
Report id :rcost4 Model->100311200009						0 5 7 6RQ&RP SXMU+50 ' UJWOLN0 2' 8/(71		
Group	L#	Part no.	Description			Remark	Use	UOM
CPU Circuit	01	3280228	CHIP CAP 0.1uF	+80/-20%	0603	(RoHs)	1	PCS
	02	3280301	CHIP CAP 0.1uF	+80/-20%	0402	(RoHs)	4	PCS
	03	3301071	MCU1			(RoHs)	1	PCS
	04	3720237	CHIP RESISTOR 100K Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS	
	05	3930050	CHIP TANT. CAP 100uF (3.5X2.8mm)			(B Size)(+/-20%)(RoHs)	1	PCS
	06	3280291	CHIP CAP 0.22uF	+80/-20%	0603	(RoHs)	4	PCS
	07	3930066	CHIP TANT. CAP 220uF	(+/-20%)		(4V)(Case Size : B) (RoHs)	1	PCS
Oscillator C	08	3280249	CHIP CAP 15pF	+/-5%	0603	(RoHs)	1	PCS
	09	3340103	CRYSTAL 10.5pF	Dia.3x8mm		(+/-20ppm) (RoHs)	1	PCS
Power Circui	10	3280288	CHIP CAP 1uF	+80/-20%	0603	(10V)(RoHs)	2	PCS
	11	3390051	DIODE BAT54C(SOT23)(Schottky			Barrier(Dou.)Diode)(PHILIPS)RoHs	1	PCS
PCB Circuit	12	365202206F00	PCB M04-452T REV.6 (FR-4 1.0mm)			(T:T494-3013-6) Dou.Side(RoHs)	1	PCS
	15	3411938	DISPLAY 61901TR (M04-451/452)(TN			)(RoHs)Ref.23.3x48.8x0.7mm(3.0)	1	PCS
Alarm circui	16	3720237	CHIP RESISTOR 100K Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS	
	17	3720307	CHIP RESISTOR 33K Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS	
	18	3940058	TRANSISTOR BC846W (NPN)		Minimold Type(RoHs)	1	PCS	
	19	3310364	COIL 4.50x2.0 (4520-140)			140 Ohm 50mH(RoHs)	1	PCS
	20	387132510121	SPRING T531-4004-1 (9T)(0.213mm			S.S. W/Gold Plated)(#35)(RoHs)	2	PCS
	21	6370080	BLACK LABEL 4.6MM			(G420B)(RoHs)	1	PCS

National Electronics & Watch Co.,Ltd.				BILLS OF MATERIAL		
Report id :rcost4 Model->100311200009				0 5 7 6RQ&RP SXMU+50 ' UIMOLN0 2' 8/(71		
Group	L#	Part no.	Description	Remark	Use	UOM
CPU Circuit	01	3280228	CHIP CAP 0.1uF +80/-20% 0603	(RoHs)	1	PCS
	02	3280301	CHIP CAP 0.1uF +80/-20% 0402	(RoHs)	4	PCS
	03	3301071	MCU1	(RoHs)	1	PCS
	04	3720237	CHIP RESISTOR 100K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	05	3930050	CHIP TANT. CAP 100uF (3.5X2.8mm)	(B Size)(+/-20%)(RoHs)	1	PCS
	06	3280291	CHIP CAP 0.22uF +80/-20% 0603	(RoHs)	4	PCS
	07	3930066	CHIP TANT. CAP 220uF (+/-20%)	(4V)(Case Size : B) (RoHs)	1	PCS
Oscillator C	08	3280249	CHIP CAP 15pF +/-5% 0603	(RoHs)	1	PCS
	09	3340103	CRYSTAL 10.5pF Dia.3x8mm	(+/-20ppm) (RoHs)	1	PCS
Power Circui	10	3280288	CHIP CAP 1uF +80/-20% 0603	(10V)(RoHs)	2	PCS
	11	3390051	DIODE BAT54C(SOT23)(Schottky	Barrier(Dou.)Diode)(PHILIPS)RoHs	1	PCS
PCB Circuit	12	365202206F00	PCB M04-452T REV.6 (FR-4 1.0mm)	(T:T494-3013-6) Dou.Side(RoHs)	1	PCS
	15	3411938	DISPLAY 61901TR (M04-451/452)(TN	)(RoHs)Ref.23.3x48.8x0.7mm(3.0)	1	PCS
Alarm circui	16	3720237	CHIP RESISTOR 100K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	17	3720307	CHIP RESISTOR 33K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	18	3940058	TRANSISTOR BC846W (NPN)	Minimold Type(RoHs)	1	PCS
	19	3310364	COIL 4.50x2.0 (4520-140)	140 Ohm 50mH(RoHs)	1	PCS
	20	387132510121	SPRING T531-4004-1 (9T)(0.213mm	S.S. W/Gold Plated)(#35)(RoHs)	2	PCS
	21	6370080	BLACK LABEL 4.6MM	(G420B)(RoHs)	1	PCS

R.C.Dig.2.4G	23	3280479	CHIP CAP 18pF	+/-2% NPO 0603	(50V)(RoHs)	2	PCS
	24	3280549	CHIP CAP 2.2pF	+/-0.1pF 0603	(NPO) (50V)(RoHs)TDK # C1608C0G1H2R2B	1	PCS
	25	3280399	CHIP CAP 4.7pF	+/-0.25pF 0603	(Yageo)(RoHs)	2	PCS
	26	3280457	CHIP CAP 0.01uF	+/-5% 0603	(X7R)(RoHs)	1	PCS
	27	3280495	CHIP CAP 2200pF	+/-5% 0603	(X7R)(RoHs)	1	PCS
	28	3280371	CHIP CAP 1pF	+/-0.1pF 0603	(Kemet)(RoHs)	3	PCS
	29	3280441	CHIP CAP 1000pF	+/-5% 0603	(RoHs)	1	PCS
	30	3301295	MCU2			1	PCS
	31	3310413	CHIP COIL 3.9nH (0603)(+/-0.3nH)		(SWI0603CT3N9S)(RoHs)Ceramic Material	1	PCS
	32	3310362	CHIP COIL 5.6nH (TOKO)(0603)(+/-		0.3nH)(RoHs)(LL1608-FSL5N6S)	2	PCS
	33	3720138	CHIP RESISTOR 1M	Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
	34	3720441	CHIP RESISTOR 22K	Ohm (1%) 0603	(+/-1%)(RoHs)	1	PCS
	35	3280502	CHIP CAP 0.033uF	+/-10% 0603	(X7R)(RoHs)	1	PCS
	36	3310356	CHIP COIL 10nH (TOKO)(0603)(RoHs		)(LL1608-FSL10NJ)	1	PCS
	37	3340117	CRYSTAL 16MHz (TSX-4025) (9 pF)		(10ppm) (RoHs)	1	PCS
	38	3720179	CHIP RESISTOR 150K	Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
ESD Parts	46	3280301	CHIP CAP 0.1uF	+80/-20% 0402	(RoHs)	2	PCS
Debounce	48	3280228	CHIP CAP 0.1uF	+80/-20% 0603	(RoHs)	1	PCS
	49	3280301	CHIP CAP 0.1uF	+80/-20% 0402	(RoHs)	2	PCS
	50	3280342	CHIP CAP 2200pF	+/-10% 0402	(RoHs)	1	PCS
	51	3720224	CHIP RESISTOR 120	Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
	52	3720245	CHIP RESISTOR 1M	Ohm (5%) 0402	(+/-5%)(RoHs)	3	PCS
	53	3720247	CHIP RESISTOR 10K	Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	54	3720256	CHIP RESISTOR 270K	Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	55	3720269	CHIP RESISTOR 330K	Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	56	3720299	CHIP RESISTOR 4.7M	Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS

R.C.Dig.2.4G	23	3280479	CHIP CAP 18pF	+/-2% NPO	0603	(50V)(RoHs)	2	PCS
	24	3280549	CHIP CAP 2.2pF	+/-0.1pF	0603	(NPO) (50V)(RoHs)TDK # C1608C0G1H2R2B	1	PCS
	25	3280399	CHIP CAP 4.7pF	+/-0.25pF	0603	(Yageo)(RoHs)	2	PCS
	26	3280457	CHIP CAP 0.01uF	+/-5%	0603	(X7R)(RoHs)	1	PCS
	27	3280495	CHIP CAP 2200pF	+/-5%	0603	(X7R)(RoHs)	1	PCS
	28	3280371	CHIP CAP 1pF	+/-0.1pF	0603	(Kemet)(RoHs)	3	PCS
	29	3280441	CHIP CAP 1000pF	+/-5%	0603	(RoHs)	1	PCS
	30	3301295	MCU2				1	PCS
	31	3310413	CHIP COIL 3.9nH (0603)(+/-0.3nH)			(SWI0603CT3N9S)(RoHs)Ceramic Material	1	PCS
	32	3310362	CHIP COIL 5.6nH (TOKO)(0603)(+/-			0.3nH)(RoHs)(LL1608-FSL5N6S)	2	PCS
	33	3720138	CHIP RESISTOR 1M	Ohm (5%)	0603	(+/-5%)(RoHs)	1	PCS
	34	3720441	CHIP RESISTOR 22K	Ohm (1%)	0603	(+/-1%)(RoHs)	1	PCS
	35	3280502	CHIP CAP 0.033uF	+/-10%	0603	(X7R)(RoHs)	1	PCS
	36	3310356	CHIP COIL 10nH (TOKO)(0603)(RoHs			)(LL1608-FSL10NJ)	1	PCS
	37	3340117	CRYSTAL 16MHz (TSX-4025) (9 pF)			(10ppm) (RoHs)	1	PCS
	38	3720179	CHIP RESISTOR 150K	Ohm (5%)	0603	(+/-5%)(RoHs)	1	PCS
ESD Parts	46	3280301	CHIP CAP 0.1uF	+80/-20%	0402	(RoHs)	2	PCS
Debounce	48	3280228	CHIP CAP 0.1uF	+80/-20%	0603	(RoHs)	1	PCS
	49	3280301	CHIP CAP 0.1uF	+80/-20%	0402	(RoHs)	2	PCS
	50	3280342	CHIP CAP 2200pF	+/-10%	0402	(RoHs)	1	PCS
	51	3720224	CHIP RESISTOR 120	Ohm (5%)	0603	(+/-5%)(RoHs)	1	PCS
	52	3720245	CHIP RESISTOR 1M	Ohm (5%)	0402	(+/-5%)(RoHs)	3	PCS
	53	3720247	CHIP RESISTOR 10K	Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS
	54	3720256	CHIP RESISTOR 270K	Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS
	55	3720269	CHIP RESISTOR 330K	Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS
	56	3720299	CHIP RESISTOR 4.7M	Ohm (5%)	0402	(+/-5%)(RoHs)	1	PCS

57	3940058	TRANSISTOR BC846W	(NPN)	Minimold Type(RoHs)	1	PCS
58	3940059	TRANSISTOR BC856W	(PNP)	Minimold Type(RoHs)	2	PCS
59	3990149	JUMPER WIRE 2+5+2mm WHITE		(RoHs)	1	PCS
60	3950077	TRANSDUCER 7.5/9.0mm (Copper)		(RoHs)	1	PCS

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Au Yang/Mr.Ho Mr.Bery Tse Mr.CP So.

National Electronics & Watch Co.,Ltd.

BILLS OF MATERIAL

Report id :rcost4 Model->100333900009

0 5 6RQ&VQ &DGDFH6HMRU U LMDLON

Group	L#	Part no.	Description	Remark	Use	UOM
CPU Circuit	01	3280301	CHIP CAP 0.1uF +80/-20% 0402	(RoHs)	1	PCS
	02	3301401	MCU1	(20 PIN) (RoHs)	1	PCS
	03	3390022	DIODE BAV99W (SOT-323)	(RoHs)	1	PCS
	04	3720237	CHIP RESISTOR 100K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	05	3720247	CHIP RESISTOR 10K Ohm (5%) 0402	(+/-5%)(RoHs)	2	PCS
	06	3930052	CHIP TANT. CAP 47uF	(A Size)(+/-20%) (4V)(RoHs)	1	PCS
	07	3930050	CHIP TANT. CAP 100uF (3.5X2.8mm)	(B Size)(+/-20%)(RoHs)	1	PCS
Oscillator C	08	3280249	CHIP CAP 15pF +/-5% 0603	(RoHs)	1	PCS
	09	3340103	CRYSTAL 10.5pF Dia.3x8mm	(+/-20ppm) (RoHs)	1	PCS
	10	3280249	CHIP CAP 15pF +/-5% 0603	(RoHs)	1	PCS
Power Circui	11	3280288	CHIP CAP 1uF +80/-20% 0603	(10V)(RoHs)	2	PCS
	12	3720153	CHIP RESISTOR 10 Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
PCB Circuit	13	365230104F00	PCB M04-455A REV.4 (FR-4 1.0mm)	(T:04-123-3003-3)Dou.Side(RoHs	1	PCS
TM.C.Dig 2.4	18	3280399	CHIP CAP 4.7pF +/-0.25pF 0603	(Yageo)(RoHs)	2	PCS
	19	3280479	CHIP CAP 18pF +/-2% NPO 0603	(50V)(RoHs)	2	PCS
	20	3280457	CHIP CAP 0.01uF +/-5% 0603	(X7R)(RoHs)	1	PCS
	21	3280495	CHIP CAP 2200pF +/-5% 0603	(X7R)(RoHs)	1	PCS
	22	3280501	CHIP CAP 1000pF +/-5%(X7R)0603	(RoHs)	1	PCS
	23	3280371	CHIP CAP 1pF +/-0.1pF 0603	(Kemet)(RoHs)	2	PCS
	24	3301296	MCU2		1	PCS

	25	3310362	CHIP COIL 5.6nH (TOKO)(0603)(+/-	0.3nH)(RoHs)(LL1608-FSL5N6S)	1	PCS
	26	3310413	CHIP COIL 3.9nH (0603)(+/-0.3nH)	(SWI0603CT3N9S)(RoHs)Ceramic Material	1	PCS
	27	3340117	CRYSTAL 16MHz (TSX-4025) (9 pF)	(10ppm) (RoHs)	1	PCS
	28	3720138	CHIP RESISTOR 1M Ohm (5%) 0603	(+/-5%)(RoHs)	1	PCS
	29	3720441	CHIP RESISTOR 22K Ohm (1%) 0603	(+/-1%)(RoHs)	1	PCS
	30	3310356	CHIP COIL 10nH (TOKO)(0603)(RoHs	)(LL1608-FSL10NJ)	1	PCS
Cyclo Sensor	37	3720237	CHIP RESISTOR 100K Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	38	3720313	CHIP RESISTOR 0 Ohm (5%) 0402	(+/-5%)(RoHs)	1	PCS
	39	4070437	REED RELAY MKA-10110 (10-12)	(RoHs)	1	PCS

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