

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

#1 Main Body											
#1-1 ELECTRONICS PARTS								OVERALL			
ITEM	P/N or DWG No.	TYPE	REFERENCE	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY	
1-1	G324+6322022+21A	Fuse, D6.3x32mm, 2A 250V, Fast Blow (UL), 'SHIXIN'	PACKING	1							
1-2	G331+6400010+001	DC CORD 1500MM RED /BLACK TWIN WIRE CABLE W/FUSE		1							
1-3	G310+0604000+031	Din Jack 4-Pin Male Green Prod		1							
1-4	G310+09U7610+081	BNC Socket, UHF-KY,		1							
1-5	G309+0066150+084	SPEAKER OVAL TYPE 8 OHM 1W OD66xH15mm		1							
1-6	CB										
1-7		Main PCB for 1000WX, 148.8x114x1.6mm, 94V0 ,gold plat S/S		1							
1-8	G311+6400003+011	CH PCB 15.5x13.5xT1.6mm 94V0 S/S		1							
1-9		LCD PCB 108x38xT1.6mm S/S 94V0		1							
1-10	G319+6092020+000	Transformer (77-092) XC19002	T1	1							
1-11	G319+6092030+000	MOD. Transformer For 77-092,	T2	1							
1-12	G302+5881529+008	IFT COIL KH07-881529"COILS" GP	L8	1							
1-13	G302+5881527+008	IFT COIL LKHC-881527"COILS" GP	L5 L6	2							
1-14	G302+5881528+008	IFT COIL KH07-881528"COILS" GP	L1	1							
1-15	G302+5881526+008	IFT COIL AH07-881526"COILS" GP	L2	1							
1-16	G302+5881525+008	IFT COIL AH07-881525"COILS" GP	L3	1							
1-17	G302+3009535+055	Spring Coil 3.5x0.55x9.5 T:R GP	RFC5	1							
1-18	G302+0003980+073	Fixed Inductor 0.39uH D3x8 +/-	RFC3	1							
1-19	G302+3013550+061	Spring Coil 5x0.6x13.5 T:R	RFC10	1							
1-20	G302+0006891+073	Fixed Inductor 6.8uH D3x8mm	RFC8 RFC2	2							
1-21	G302+0001010+072	Fixed Inductor, 100uH,+/-10%, D2.7x7mm,Tape Pack,R0449-CEC-101K-812037	RFC1	1							
1-22	G302+0002290+073	Fixed Inductor,2.2UH D3x8mm	RFC4	1							
1-23	G302+2001001+02J	Chip Inductor 10uH "ELJFC100JF" 2520 +/-5% "Panasonic "GP	L4 L205	2							
1-24		Ceramil Filter U450HT 3PIN "CQ"	CF2	1							
1-25	G306+0110700+093	Ceramic Filter,FM,10.7MHz,LT10	CF1	1							
1-26	G340+0002000+704	Trimmer Cap D6.2x4.8, 20pF,N75	VC1	1							
1-27	G328+0001030+280	SEMI-FIXED RES 10K T-085B-10K	RV1 RV2	2							
1-28	G328+0005030+290	SEMI-FIXED RES 50K T-085B-50K	RV3 RV4	2							
1-29	G305+UTC7217+100	IC UTC7217 KIP10 "YW" GP	U4	1							
1-30		IC MCU2 EM78P510NQ	U2	1							
1-31	G305+0GP214D+100	IC, GP214D TSSOP-16 "GAINTECH" GP	U3	1							
1-32	G305+TLE4264+100	IC TLE 4264-2G SOT-223 "INFINEON"	U5	1							

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

Customer: Midland

Product: CB/WX

Standard:

B.O.M No.

REV: E4

Issue Date :2009/03/3

G1

ELECTRONIC ENGINEER:

MECHANICAL ENGINEER:

CHECKED BY:

APPROVED BY:

1-33		REST IC HWD809S SOT-23	U6	1					
1-34		LCD DISPLAY FR53250 HTN		1					
1-35	G312+2431601+281	GB-6930T2D-002 UL TRA Bright orange Green product	LD1	1					
1-36	G321+4000000+026	Crystal, 4.00MHz, 20PF, ±30ppm, -40°C+85°C HC-49/S	X1	1					
1-37	G321+1000000+139	Crystal 10MHz 20PF +/-20PPM HC-49U/S-40°C+85°C GP	X3	1					
1-38	G310+0000350+080	Mono phone Jack, D3.5mm,CKX-3	J2 J3	2					
1-39	G327+0012030+260	Jumper Wire,3+120+3mm,26#, BLK	GND	1					
1-40	G327+0112030+263	Wire,UL1007, 3+120+3mm, 26AWG, Orange GP	ON/OF2	1					
1-41	G327+0112030+268	Wire,UL1007, 3+120+3mm, 26AWG, Grey GP	AL1	1					
1-42	G327+0014030+264	Jumper Wire 3+140+3mm 26AWG	JG1 JG2 ON/OF1 SQ1	4					
1-43	G327+0116030+266	Jumper Wire UL1007 3+160+3mm	SP+	1					
1-44	G327+0016030+260	Jumper Wire,3+160+3,26#,Black	SP-	1					
1-45		Jumper Wire,3+100+3,26AWG,Green GP	A-A1	1					
1-46		Jumper Wire,3+40+3,26AWG,Brown GP	VOL2	1					
1-47	G327+0006030+260	Jumper Wire,3+60+3mm,26AWG,Black GP	VOL / RF	2					
1-48	G327+3015030+288	Single Shield Wire Ass'y UL AWG#28 3+150+3mm Grey	J1/JIAND	2					
1-49		Single Shield Wire Ass'y UL AWG#28 3+50+3mm Grey	FIN	1					
1-50		FLAT Cable,3 Pins,3+70+3mm pitch2.54mm GP		1					
1-51	G300+0001000+033	CF Res, 10 Ohm, 1/4W, +/-5%	R5	1					
1-52	G300+0004720+033	CF Res, 4.7K, 1/4W,+/-5% GP	R71	1					
1-53	G300+0002710+033	CF Res, 270 Ohm, 1/4W, +/-5% GP	R130	1					
1-54	G300+1301500+063	Wirewound Res 150hm 2W +/-5%	R55	1					
1-55	G300+0500001+003	Chip Res,0603,0 Ohm,1/16W,+/-5% Tape Pack	R17 R96 R30	3					
1-56	G300+0501001+003	Chip Res,0603,10 Ohm,1/16W,+/-5%,Tape Pack	R120	1					
1-57	G300+0501011+003	Chip Res, 0603,100 Ohm,1/16W,+/-5% Tape Pack	R99 R66 R69 R83 R25	5					
1-58	G300+0501021+003	Chip Res, 0603, 1K,1/16W,+/-5% Tape Pack	R14 R51R52 R68 R111 R95 R100 R102 R101	9					
1-59	G300+0501521+003	Chip Res, 0603, 1.5K,1/16W,+/-5% Tape Pack	R7 R34	2					
1-60	G300+0501031+003	Chip Res, 0603, 10K,1/16W,+/-5% Tape Pack	R33 R41 R48 R61 R29 R134 R310 R74 R62	9					
1-61	G300+0501531+003	Chip Res, 0603, 15K,1/16W,+/-5% Tape Pack	R82 R36 R49	3					
1-62	G300+0501041+003	Chip Res, 0603, 100K,1/16W,+/-5% Tape Pack	R31 R133	2					
1-63	G300+0501541+003	Chip Res, 0603, 150K,1/16W,+/-5% Tape Pack	R59	1					
1-64	G300+0502201+003	Chip Res, 0603,22 Ohm,1/16W,+/-5% Tape Pack	R22	1					
1-65	G300+0502221+003	Chip Res, 0603, 2.2K,1/16W,+/-5% Tape Pack	R4 R32 R46 R84	4					
1-66	G300+0502721+003	Chip Res,0603,2.7K,1/16W,+/-5%,Tape Pack	R45	1					
1-67	G300+0502231+001	Chip Res, 0603, 22K,1/16W,+/-5% Tape Pack	R39 R42 R43 R967	4					
1-68	G300+0502731+003	Chip Res,0603,27K,1/16W,+/-5%,Tape Pack	R2 R12	2					
1-69	G300+0502241+003	Chip Res, 0603,220K,1/16W,+/-5%,Tape pack	R97	1					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

1-70	G300+0503341+003	Chip Res, 0603,330K,1/16W,+/-5%,Tape pack	R13	1					
1-71	G300+0502251+003	Chip Res,0603,2.2M,1/16W,+/-5%	R72	1					
1-72	G300+0503311+003	Chip Res, 0603,330 Ohm,1/16W,+/-5% Tape Pack	R26	1					
1-73	G300+0503911+003	Chip Res,0603,390 Ohm, 1/16W,+/-5%,Tape Pack	R60	1					
1-74	G300+0503321+003	Chip Res, 0603, 3.3K,1/16W,+/-5% Tape Pack	R309 R38 R10	3					
1-75	G300+0504791+003	Chip Res, 0603,4.7 Ohm,1/16W,+/-5% Tape Pack	R70	1					
1-76	G300+0504701+003	Chip Res,0603,47 Ohm, 1/16W,+/-5%,Tape Pack	R9 R53	2					
1-77	G300+0504711+003	Chip Res, 0603,470 Ohm,1/16W,+/-5% Tape Pack	R1A R98 R11 R23	4					
1-78	G300+0504721+003	Chip Res, 0603,4.7K,1/16W,+/-5% Tape Pack	R311 R63 R131 R132	4					
1-79	G300+0504731+003	Chip Res, 0603, 47K,1/16W,+/-5% Tape Pack	R73	1					
1-80	G300+0505611+003	Chip Res, 0603, 560 Ohm,1/16W,+/-5% Tape Pack	R2A	1					
1-81	G300+0506801+003	Chip Res, 0603, 68 Ohm, 1/16W, +/-5%, Tape Pack	R65	1					
1-82	G300+0508231+003	Chip Res, 0603, 82K,1/16W,+/-5% Tape Pack	R20	1					
1-83	G301+3114091+056	Chip Cap, 0603, 4pF,50V,+/-5%,NPO,Tape pack	C10 C75	2					
1-84	G301+3111001+052	Chip Cap,0603,10pF,50V +/-5%,NPO,Tape Pack	C127	1					
1-85	G301+3111801+052	Chip Cap,0603,18pF,50V +/-5%,NPO,Tape Pack	C134	1					
1-86	G301+3112201+052	Chip Cap,0603,22pF,50V +/-5%,NPO,Tape Pack	C100 C77 C141 C124	4					
1-87	G301+3113901+052	Chip Cap,0603,39pF,50V +/-5%,NPO,Tape Pack	C101	1					
1-88	G301+3116801+052	Chip Cap, 0603, 68pF, 50V, +/-5%, NPO, Tape Pack	C90	1					
1-89	G301+3118201+052	Chip Cap, 0603, 82pF, 50V, +/-5%, NPO, Tape Pack	C78	1					
1-90	G301+3111011+052	Chip Cap,0603,100pF,50V +/-5%,NPO,Tape Pack	C89 C22 C81	3					
1-91	G301+3111511+052	Chip Cap ,0603 ,150pF,50V,+/-5%NPO,Tape Pack	C58 C73	2					
1-92	G301+3111811+052	Chip Cap ,0603 ,180pF,50V,+/-5%NPO,Tape Pack	C88	1					
1-93	G301+3112211+052	Chip Cap 0603 NPO 220pF 50V +/-5% Tape Pack	C53	1					
1-94	G301+3114711+052	Chip Cap ,0603 ,470pF,50V,+/-5%NPO,Tape Pack	C83	1					
1-95	G301+3124731+043	Chip Cap, 0603, 0.047uF, 25V,	C504 C70	2					
1-96	G301+3121021+043	Chip Cap, 0603, 0.001uF, 25V, +/-10%, X7R, Tape Pack	C17 C31 C46 C122	4					
1-97	G301+3104721+044	Chip Cap,0603,0.0047uF,25V,+/-20%,Tape Pack GP	C7	1					
1-98	G301+3106821+053	Chip Cap 0603 6.8nF 50V +/-10%	C41	1					
1-99	G301+3101031+053	Chip Cap, 0603, 0.01uF, 25V, +/-10%, Tape Pack	C000 C6 C8 C4 C110 C42 C40 C80 C66 C72 C29 C508 C139 C69 C143 C302 C142 C138	18					
1-100	G301+3122231+043	Chip Cap, 0603, 0.022uF, 50V, +/-10%, X7R, Tape Pack	C85 C76 C82	3					
1-101	G301+3106831+043	Chip Cap 0603 0.068uF 25V +/-10%	C60	1					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

1-102	G301+3101041+044	Chip Cap, 0603, 0.1uF,50V, +/-10%,Tape pack	C168 C224 C226 C229 C99	5						
1-103	G301+3101051+044	Chip Cap,0603,1uF,25V,+/-20%,Tape	C131	1						
1-104	G301+3251051+044	Chip Cap, 0805, Y5V,1uF, 25V, +/-20% Tape	C999	1						
1-105	G301+2013000+042	C Cap, NPO, 30pF, 25V, +/-5%	ANT	1						
1-106	G301+2061030+053	C Cap, Z5U, 0.01uF, 50V, +/-10% GP	C5 C91 C92	3						
1-107	G301+2M21031+053	C Cap, Axial Lead, X7R, 0.01uF	C43	1						
1-108	G301+2081020+053	C Cap, SL, 0.001uF,50V, +/-10	C28	1						
1-109	G301+4301061+034	Tan Cap, 1206 SMT, 10uF, 16V, ±20%	C225 C9	2						
1-110	G301+0053390+074	E Cap, D5x11, 3.3uF, 50V,+/-20%	C50	1						
1-111	G301+0053300+034	E Cap, D5x11, 33uF, 16V, +/-20	C48 C45 C52	3						
1-112	G301+0054790+074	E.CAP 4.7UF 50V 20% 5x11	C16	1						
1-113	G301+0054700+034	E.CAP 47UF 16V 20% 5x11	C33 C26 C151 C61	4						
1-114	G301+0112210+044	E Cap, D8x12, 220uF, 25V, ±20%	C62	1						
1-115	G301+0052200+034	E.CAP 22UF 16V 20% 5x11	C38 C1	2						
1-116	G301+0041010+044	E Cap, D5X7,100uF, 25V,+/-20% GP	C27 C65 C150 C24	4						
1-117	G301+0161020+034	E.CAP 1000UF 16V 20% 10x16	C63 C95	2						
1-118	G301+0052210+034	E.CAP 220UF 16V 20% 5x11 GP	C169	1						
1-119	G301+0051000+034	E CAP 10UF 16V 20% 5x11	C51 C11 C116	3						
1-120	G301+0052290+074	E CAP 2.2UF 50V 20% 5x11	C125	1						
1-121	G301+0051090+074	E CAP 1UF 50V 20% 5x11	C55	1						
1-122	G301+0051080+074	E CAP 0.1UF 50V 20% 5x11	C39	1						
1-123	G303+11N4004+000	Rectifier Diode, 1N4004, DO41	D9 D11	2						
1-124	G303+0405190+014	Zener Diode, 0.5W, 5.1V, DO-35	DZ2	1						
1-125	G303+0409191+013	ZENER DIODE IN5239 BST	DZ1	1						
1-126	G303+2KDS190+100	Diode KDS190 "KEC" Green Product	D301	1						
1-127	G303+2KDS184+100	DIODE KDS184 SOT-23 "KEC"	D12 D10 D7 D8 D3 D18 D19	7						
1-128	G303+2KDS114+200	DIODE KDS114 USC "KEC"	D1A	1						
1-129	G303+2LL4148+200	SW Silicon Diode, LL4148, "Semtech" GP	D5	1						
1-130	G304+2SC2078+E45	Transistor, 2SC2078E, TO-220,	Q14	1						
1-131	G304+KTC1006+Y11	Transistor,KTC1006Y,ECB,KEC	Q13	1						
1-132	G304+0008550+D3P	Transistor PNP 8550D SOT-23 "COS' GP	Q26	1						
1-133	G304+KTC3880+Y01	Transistor NPN KTC3880Y SOT-23 "KEC" GP	Q16 Q17	2						
1-134	G304+KTC3875+G01	Transistor NPN KTC3875GR SOT-23 "KEC" GP	Q10 Q21 Q15 Q5 Q25	5						
1-135	G304+00L9014+03H	Transistor, NPN, L9014SLT1, SOT-23, 'LRC' Green product	Q27	1						
1-136	G304+KTC9018+S01	Tansistor, KTC9018S-H, SOT-23, EBC, KEC	Q1 Q11 Q12	3						
1-137	G304+KTA1504+G01	Transistor PNP KTA1504GR SOT-23	Q6 Q9	2						
1-138		Push switch PB-22E60 LOCKED "XIE JIA"	CB/PA ; ANL;CB/WX	3						
1-139		ROTARY SWITCH SR10030F-20K-C7-011 -30~70C "ALPHA"	SW3	1						

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

1-140		VR F-09427G-1 A10K/ B50K "PS"	VR2(SQ)	1					
1-141		VR,RV16A04F-10-20K-A50K-006 -30~70C "ALPHA"	VR3(VOL)	1					
1-142		RF AMP PCB 33x16xT1.6mm 94V0 Natural, Pseudo Double Side		1					
1-143	G300+0500001+003	Chip Res,0603,0 Ohm,1/16W,+/-5%	RJ2 RJ3 RJ4	3					
1-144	G300+0501011+003	Chip Res,0603,100 Ohm,1/16W,+/-5%	R107	1					
1-145	G300+0501801+003	Chip Res 0603 180Ohm 1/16W +/-5%	R104	1					
1-146	G300+0502211+003	Chip Res,0603,220 Ohm,1/16W+/-5%	R109	1					
1-147	G300+0502721+003	Chip Res,0603,2.7K,1/16W,+/-5%	R108	1					
1-148	G300+0503311+003	Chip Res, 0603, 330 ohm,1/16W +/-5%	R103	1					
1-149	G300+0503331+003	Chip Res,0603,33K,1/16W+/-5%	R105	1					
1-150	G300+0504711+003	Chip Res, 0603,470 Ohm,1/16W,+/-5%	R110	1					
1-151	G300+0506811+003	Chip Res,0603,680 Ohm, 1/16W,+/-5%	R106	1					
1-152	G301+3101031+053	Chip Cap, 0603, 0.01uF, 50V, +/-10%	C103 C105 C106 C107 C111 C112 C113	7					
1-153	G301+3111511+052	Chip Cap ,0603 ,150pF,50V,+/-5%	C109	1					
1-154	G301+3112201+052	Chip Cap,0603,22pF,50V +/-5%,	C102	1					
1-155	G301+3112211+052	Chip Cap 0603 NPO 220pF 50V +/-5%	C108	1					
1-156	G301+3114701+052	Chip Cap,0603,47pF,50V +/-5%	C104	1					
1-157	G301+3115611+052	Chip Cap 0603 560pF 50V +/-5%	C114	1					
1-158	G304+KTC9018+S01	Transistor KTC9018S-H SOT-23	Q102 Q103	2					
1-159	G303+2KDS226+100	Diode, KDS226, SMT, 'KEC' GP	D101	1					
1-160	G302+3006535+056	Spring Coil 6.5T3.4x0.55:M9D3.	L102 L104	2					
1-161		IF AMP PCB 36x16xT1.6mm 94V0 Natural, Pseudo Double Side		1					
1-162	G300+0500001+003	Chip Res,0603,0 Ohm,1/16W,+/-5%	RJ5 RJ6	2					
1-163	G300+0501011+003	Chip Res,0603,100 Ohm,1/16W,+/-5%	R203	1					
1-164	G300+0501021+003	Chip Res, 0603,1k,1/16W, +/-5%	R209	1					
1-165	G300+0501821+003	Chip Res,0603,1.8K,1/16W,+/-5%	R206	1					
1-166	G300+0501031+003	Chip Res, 0603,10k,1/16W, +/-5%	R207	1					
1-167	G300+0501231+003	Chip Res, 0603,12k,1/16W, +/-5%	R211	1					
1-168	G300+0501531+003	Chip Res,0603,15K,1/16W+/-5%	R218	1					
1-169	G300+0501541+003	Chip Res, 0603, 150K,1/16W,+/-5%	R205	1					
1-170	G300+0502211+003	Chip Res,0603,220 Ohm,1/16W+/-5%	R212	1					
1-171	G300+0502231+003	Chip Res, 0603,22k,1/16W, +/-5%	R213	1					
1-172	G300+0503321+003	Chip Res,0603,3.3K,1/16W+/-5%	R210	1					
1-173	G300+0503331+003	Chip Res,0603,33K,1/16W+/-5%	R217	1					
1-174	G300+0503921+003	Chip Res, 0603, 3.9K,1/16W,+/-5%	R202	1					
1-175	G300+0504711+003	Chip Res, 0603,470 Ohm,1/16W,+/-5%	R204 R208	2					
1-176	G300+0504731+003	Chip Res, 0603, 47K,1/16W,+/-5%	R214 R216	2					
1-177	G300+0505611+003	Chip Res,0603,560 Ohm,1/16W+/-5%	R201	1					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

1-178	G300+0508231+003	Chip Res, 0603, 82K,1/16W,+/-5%	R215	1					
1-179	G301+3101031+053	Chip Cap, 0603, 0.01uF, 50V, +/-10%	C201 C203	2					
1-180	G301+3121021+043	Chip Cap, 0603, 0.001uF, 25V,+/-10%	C206	1					
1-181	G301+3124731+043	Chip Cap, 0603, 0.047uF, 25V,+/-10%	C202 C205 C207 C208	4					
1-182	G304+KTC9018+S01	Transistor KTC9018S-H SOT-23	Q201 Q202 Q203	3					
1-183	G304+KTA1504+G01	Transistor PNP KTA1504GR SOT-23	Q204	1					
1-184	G301+0021000+034	E Cap, D4x7, 10uF, 16V, +/-20%	C204	1					
1-185	G301+0021090+074	E Cap, D4x7, 1uF, 50V, +/-20%	C209	1					
1-186	G303+101N60P+000	Rectifier Diode, IN60P, DO-35,	D201	1					
1-187		VCO PCB 25.6x16xT1.6mm 94V0 Natural, Pseudo Double Side		1					
1-188	G303+4SVC251+100	Varactor Diode SVC251	D601	1					
1-189	G300+0500001+003	Chip Res,0603,0 Ohm,1/16W,+/-5%,Tape Pack	RJ1	1					
1-190	G300+0501031+003	Chip Res, 0603, 10K,1/16W,+/-5% Tape Pack	R606 R607	2					
1-191	G300+0501541+003	Chip Res, 0603, 150K,1/16W,+/-5% Tape Pack	R603	1					
1-192	G300+0502231+003	Chip Res, 0603, 22K,1/16W,+/-5% Tape Pack	R608	1					
1-193	G300+0502241+003	Chip Res, 0603, 220K,1/16W,+/-5% Tape Pack	R604	1					
1-194	G300+0502721+003	Chip Res,0603,2.7K,1/16W,+/-5%,Tape Pack	R605	1					
1-195	G300+0504701+003	Chip Res,0603,47 Ohm, 1/16W,+/-5%,Tape Pack	R601	1					
1-196	G300+0508211+003	Chip Res,0603,820 Ohm, 1/16W,+/-5%,Tape Pack	R602	1					
1-197	G301+3101031+053	Chip Cap, 0603, 0.01uF, 50V, +/-10%, Tape Pack	C601 C610 C611	3					
1-198	G301+3111801+052	Chip Cap,0603,18pF,50V,+/-5%,NPO,Tape Pack	C602	1					
1-199	G301+3111211+052	Chip Cap,0603,120pF,50V +/-5%,NPO,Tape Pack	C608	1					
1-200	G301+3112201+052	Chip Cap,0603,22pF,50V +/-5%,NPO,Tape Pack	C603	1					
1-201	G301+3112211+052	Chip, Cap,0603, NPO,220pF,50V,+/-5%, Tape Pack	C607	1					
1-202	G301+3112701+052	Chip Cap,0603,27pF,50V +/-5%,NPO,Tape Pack	C609	1					
1-203	G301+3113301+052	Chip Cap,0603,33pF,50V +/-5%,NPO,Tape Pack	C606	1					
1-204	G301+3114701+052	Chip Cap,0603,47pF,50V +/-5%,NPO,Tape Pack	C605	1					
1-205	G304+KTC9018+S01	Tansistor, KTC9018S-H, SOT-23, EBC, KEC	Q601 Q603	2					
1-206	G304+KTC3875+G01	Transistor KTC3875S S NPN SOT-23 "KEC"	Q602	1					
1-207		LPF PCB 33x15xT1.6mm 94V0 Natural, Pseudo Double Side		1					
1-208	G301+3112211+052	Chip Cap 0603 NPO 220pF 50V +/-5%	C801 C805	2					
1-209	G301+3114711+052	Chip Cap ,0603 ,NPO 470pF,50V,+/-5%	C802 C803	2					
1-210	G302+3004535+055	Spring Coil 4.5T3.4x0.55	L801	1					
1-211	G302+3008534+055	Spring coil 8.5T3.4x0.55	L804	1					
1-212	G302+3007535+055	Spring Coil 7.5T3.4x0.55x7.5 T	L803	1					
1-213	G302+3006535+055	Spring Coil 6.5T3.4x0.55x6.5 T	L802	1					
1-214		WX							
1-215		WX PCB FOR 1001L WX 54.5x26.5xT1.6mm FR4 D/S		1					
1-216	G305+UTC3361+200	IC, UTC3361, SOP-16, 'YW' GP	U1	1					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

Customer: Midland

Product: CB/WX

Standard:

B.O.M No.

REV: E4

Issue Date :2009/03/3

G1

ELECTRONIC ENGINEER:

MECHANICAL ENGINEER:

CHECKED BY:

APPROVED BY:

1-217	G305+0GP214D+100	IC, GP214D TSSOP-16 "GAINTECH" GP	U7	1					
1-218	G304+2SA812M+604	Transistor, PNP, 2SA812M-M6, SOT-23"NEC" GP	Q29	1					
1-219	G304+SC1623L+604	Transistor,NPN,2SC1623-L6,SOT-23,'NEC' GP	Q28	1					
1-220	G304+9015SLT+G3H	Transistor L9015SLT1G SOT-23,"LRC" Green product	Q24	1					
1-221	G304+KTC9018+S01	Tansistor, KTC9018S-H, SOT-23, EBC, KEC	Q22 Q23 Q7 Q3 Q4 Q2	6					
1-222	G304+3356R24+0A4	Transistor NPN 2SC3356R24 SOT-23 "NEC" GP	Q8	1					
1-223	G306+0004500+085	Ceramil Filter FM 450KHz "LTW33-450E	BF2	1					
1-224	G321+1025014+140	Crystal "CQE10.250MHZ"14pF +/-10PPM HC-49S (- 20°C to + 60°C)GP	X4	1					
1-225	G306+0345000+082	Ceramic Discriminator,JTBM450C49"CQ" Green pduct	X2	1					
1-226	G306+0110700+093	Ceramic Filter,FM,10.7MHz,LT10.7M1,'MIDAS',3-Pin GP	BF1	1					
1-227	G306+0701630+004	HH50 SAW Filter.CQSF163.000F-11	BF3	1					
1-228	G303+2KDS226+100	Diode, KDS226, SMT, 'KEC' GP	D4	1					
1-229	G303+2LL4148+200	SW Silicon Diode, LL4148, "Semtech" GP	D15 D16 D17 D6	4					
1-230		Coil SMT-0.55x2.6x5L-P5.0-LF	L7	1					
1-231	G302+3005012+040	Air Coil,CW,SMT,5TxD1.2x0.4mm	L11	1					
1-232	G302+0002290+083	Fixed Inductor 2.2uH D2.8X4MM +/-10% "EC22-2R2K-LF GP	L16	1					
1-233		Chip Inductor 0603,47nH +/-5%,COIL	L12	1					
1-234		Chip Inductor 0603,68nH +/-5%,COIL	L13 L14	2					
1-235	G300+0501001+003	Chip Res,0603,10 Ohm,1/16W,+/-5%,Tape Pack	R77 R15 R92	3					
1-236	G300+0501011+003	Chip Res, 0603,100 Ohm,1/16W,+/-5% Tape Pack	R40 R6	2					
1-237	G300+0501021+003	Chip Res, 0603, 1K,1/16W,+/-5% Tape Pack	R37 R21	2					
1-238	G300+0501221+003	Chip Res,0603,1.2K, 1/16W,+/-5%,Tape Pack	R44	1					
1-239	G300+0501521+003	Chip Res, 0603, 1.5K,1/16W,+/-5% Tape Pack	R56	1					
1-240	G300+0501821+003	Chip Res, 0603, 1.8K,1/16W,+/-5% Tape Pack	R79 R67	2					
1-241	G300+0501031+003	Chip Res, 0603,10k,1/16W, +/-5%, Tape pack	R125 R18 R24 R127	4					
1-242	G300+0501041+003	Chip Res, 0603, 100K,1/16W,+/-5% Tape Pack	R78 R81	2					
1-243	G300+0501541+003	Chip Res, 0603, 150K,1/16W,+/-5% Tape Pack	R126	1					
1-244	G300+0502221+003	Chip Res, 0603, 2.2K,1/16W,+/-5% Tape Pack	R122 R124 R75 R54 R27	5					
1-245	G300+0502231+003	Chip Res, 0603,22k,1/16W, +/-5%, Tape pack	R16 R76	2					
1-246	G300+0502241+003	Chip Res, 0603,220k,1/16W, +/-5%, Tape pack,	R121 R123 R47 R50 R64	5					
1-247	G300+0503321+003	Chip Res, 0603, 3.3K,1/16W,+/-5% Tape Pack	R80	1					
1-248	G300+0503921+003	Chip Res, 0603, 3.9K,1/16W,+/-5% Tape Pack	R85	1					
1-249	G300+0503331+003	Chip Res, 0603, 33K,1/16W,+/-5% Tape Pack	R57	1					
1-250	G300+0504721+003	Chip Res, 0603,4.7K,1/16W,+/-5% Tape Pack	R35	1					
1-251	G300+0504731+003	Chip Res, 0603, 47K,1/16W,+/-5% Tape Pack	R8 R58	2					
1-252	G300+0506831+003	Chip Res,0603,68K, 1/16W,+/-5%,Tape Pack	R3	1					
1-253	G300+0501051+003	Chip Res,0603,1M, 1/16W,+/-5%,Tape Pack	R19	1					
1-254	G301+3113091+056	Chip Cap, 0603,3pF,50V,0.25pF,NPO,Tape pack	C121	1					
1-255	G301+3114091+056	Chip Cap,0603,4pF,50V,0.25pF,NPO,Tape Pack	C129	1					
1-256	G301+3115091+056	Chip Cap,0603,5pF,50V,0.25pF,NPO,Tape Pack	C67	1					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

1-257	G301+3116091+056	Chip Cap,0603,6pF,50V,0.25pF,NPO,Tape Pack	C59	1							
1-258	G301+3111001+052	Chip Cap, 0603, 10pF, 50V, +/-5%, NPO, Tape Pack	C35 C36	2							
1-259	G301+3111201+052	chip cap,0603 12pF , 50V, +/-5% NPO,tape pack	C94	1							
1-260	G301+3111501+052	Chip Cap 0603 15pF 50V +/-5% NPO Tape Pack	C32 C25 C86	3							
1-261	G301+3111801+052	Chip Cap, 0603, 18pF,50V,+/-5%,NPO,Tape pack	C57 C120 C37	3							
1-262	G301+3112201+052	Chip Cap,0603,22pF,50V +/-5%,NPO,Tape Pack	C74	1							
1-263	G301+3112701+052	Chip Cap,0603,27pF,50V +/-5%,NPO,Tape Pack	C96	1							
1-264	G301+3113301+052	Chip Cap,0603,33pF,50V +/-5%,NPO,Tape Pack	C30 C123	2							
1-265	G301+3113901+052	Chip Cap,0603,39pF,50V +/-5%,NPO,Tape Pack	C54	1							
1-266	G301+3114701+052	Chip Cap,0603,47pF,50V +/-5%,NPO,Tape Pack	C117	1							
1-267	G301+3118201+052	Chip Cap, 0603, 82pF, 50V, +/-5%, NPO, Tape Pack	C87	1							
1-268	G301+3121041+043	Chip Cap, 0603,0.1uF, X7R 25V, +/-10%,Tape pack, GP	C23 C20 C98 C79 C144	5							
1-269	G301+3121031+043	Chip Cap, 0603, 0.01uF, 25V, +/-10%, X7R, Tape Pack	C3 C93 C84 C64 C118 C140 C147 C149 C148	9							
1-270	G301+3101021+044	Chip Cap, 0603, 0.001uF,25V,+/-20%,Tape pack	C119 C128 C44	3							
1-271	G301+3101051+044	Chip Cap,0603,1uF,25V,+/-20%,Tape	C97	1							
1-272	G301+3112091+056	Chip Cap, 0603,2pF,50V,0.25pF,NPO,Tape pack	C71	1							
1-273	G301+3102241+054	Chip Cap,0603,0.22uF,50V,20%,Tape Pack	C47 C34	2							
1-274	G301+3103331+044	chip cap,0603 0.033uF , 25V, +/-10% ,tape pack	C49	1							
1-275	G301+3104731+044	Chip Cap, 0603, 0.047uF,25V,+/-20%,Tape pack	C115	1							
1-276	G301+4301061+034	Tan Cap, 1206 SMT, 10uF, 16V, ±20%	C15 C56 C130	3							
1-277	G303+4BB639C+100	VHF VC Diode BB639C "INFINEON" 代BB133 GP	VD1	1							

OVERALL

#1-2 PLASTICS PARTS		OVERALL									
ITEM	P/N or DWG No.	TYPE	FINISH	COLOR	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY
1-2-1	G500+6400000+000	Upper cabinet for CB1000/1001Z black ABS Green product			1	C					
1-2-2	G501+6400000+000	Bottom cabinet for CB1000/1001Z black ABS Green product			1	C					
1-2-3		FRONT PANEL For 1001LWX, ABS, S/S, D/W:1001LWX-P-01B, GP		27 g	1	C					
1-2-4		Front Lens For 1001LWX, PMMA S/S, D/W:1001LWX-P-07, GP		3 g	1	c					
1-2-5		Reflector For 1001LWX, PMMA, D/W:1001LWX-P-10, GP		4g	1	c					
1-2-6		Knob Vol For 1001LWX, Black ABS, W/White spot , D/W:1001LWX-P-02B, GP		3g	1	C					
1-2-7		Knob CH , For 1001LWX, Black ABS, D/W:1001LWX-P-03B, GP		2 g	1	C					
1-2-8		Knob SQ for For 1001LWX, Black ABS ,W/White spot, D/W:1001LWX-P-05B, GP		1g	1	C					
1-2-9		Knob RF For 1001LWX, Black ABS, D/W:1001LWX-P-04B , GP		2g	1	C					
1-2-10		CB/PA Button For 1001LWX, Black ABS, D/W:1001LWX-P-06, GP		0.3g	1	C					
1-2-11	G541+6412000+000	Hander Spacer Lock Screw For Alan120,Black ABS W/Custom Made Shaft, (G417+6120000+100) Green product	packing		2	p					
1-2-12		ANL Button For 1001LWX, Black ABS, D/W:1001LWX-P-08, GP		0.3g	1	C					
1-2-13		CB/WX Button For 1001LWX, Black ABS, D/W:1001LWX-P-09, GP		0.2g	1	C					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

#1-3 METAL PARTS							OVERALL					
ITEM	P/N or DWG No.	TYPE	FINISH	MATERIAL	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY	
1-3-1	G443+3008010+100	Triangle self-tapping screw, M3x8mm, pitch0.5mm, 'c'type, b head, black plated	Body, PCB		13	c						
1-3-2	G400+2604000+400	M Screw,M2.6x4,KM,Nickel Plate D:5mm GP	Front Panel		4	c						
1-3-3						c						
1-3-4	G401+260600A+200	ST Screw,M2.6x6, Nickel Plated,BB, Green Product	Speaker		3	c						
1-3-5	G400+3010000+100	M Screw, M3X10, Nickel Plated, BM, Green Product	Heat Sink, IC		3	c						
1-3-6	G403+0300622+411	Nut, M3xOD6.2xT2.4mm, Iron Nickel Plated GP	Heat Sink, IC		3	c						
1-3-7	G402+0430055+074	Spring Washer, M3xOD5.5xT0.7mm, Carbon Steel Green Product	Heat Sink, IC		3	c						
1-3-8	G406+6101010+500	Heat Sink (IC MTG)Aluminum Plate IL26x12mm D/W:1000-M-02 Green Product			1	c						
1-3-9	G406+6101020+500	ALAN101Heat Sink Aluminum Plate T2mm D/W:1000-M-03 Green Product			1	c						
1-3-10	G414+6120000+230	77-120ESP Speaker Clip, Yellow Zinc Plated, Iron Green product	Speaker		3	c						
1-3-11	G424+6101000+700	Main Holder Secc T=1.0mm D/W:1000-M-05 Green product			1	c						
1-3-12	G430+6101010+700	ALAN101 Shield Box T0.3mm Tin	VCO		1	c						
1-3-13	G401+5012040+300	ST Screw M5x12 Truss Head A Type Zn Plated Green produc	packing		3	P						
1-3-14	G402+0253100+054	External Teeth Washer, OD10xID5.3xT0.5mm Carbon Steel Zn Plated Green produc	packing		3	P						
1-3-15	G402+0070200+15A	Flat Washer,ID7xOD20xT1.5mm,Rubber Green puoduct	packing		2	c						
1-3-16	G415+6101010+930	ALAN101 Mount Bracket Black SECC T1.6mm D/W:1000-M-01 Green Product	packing		1	p						
1-3-17	G401+2308000+900	ST Screw, M2.3x8, Nickel Plated,PWA, GP	Front Panel		2	c						
1-3-18	G400+3008000+100	M Screw, M3x8,Nickel Plated, BM,GP	Heat Sink, IC		2	c						
#1-4 MISCELLANEOUS							OVERALL					
ITEM	P/N or DWG No.	TYPE	FINISH	MATERIAL	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY	
1-4-1	G803+0011002+000	Cord Bushing, UL,Black,3B-2 GP			1	c						
1-4-2	G817+1106000+000	Felt L110xW6xT0.5mm FELT STIC W/A Green Product			2	c						
1-4-3	G817+0061000+000	Speaker Felt, Dia61mm, Black			1	c						
1-4-4	G820+6092000+400	Insulation Sheet for 77-092, T0.4mm			1	c						
1-4-5	G803+0100000+000	Screw Bushing, M3 Screw / TO-220 Package			1	c						
1-4-7	G806+0000000+000	Wire Tie, L30mm, Black			2	c						
1-4-8		Felt Sheet,L14XW8X0.6mm,Black W/Aheslre on one face GP			1	c						
1-4-9		Reflex Paper For 1001lwx,L50xW3.5xT0.05mm,W/Adhesive On One Face,Aluminium GP			2	c						
1-4-10		White PET, TORAY E-20 ,L65.5xW12xT0.05mm, W/Adhesive On One face			1	c						
1-4-11		Tracing Paper , L75xW13xT0.04mm, Green Product			1	c						
#2 MIC Part												
ITEM	P/N or DWG No.	TYPE	REFERENCE	APP'D MFG	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY	
OVERALL												
2-1-1	G313+3630976+521	Electret Condenser MIC-36DB +/-3DB D9.7x6.5mm,F9767AL,			1							

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

2-1-2	G301+2081020+053	Ceramic cap,0.001 uF,50V SL +/-10%	mic		1						
2-1-3	G327+0107030+260	WIRE UL1007 AWG #26 3+70+3mm BLACK	MIC-		1						
2-1-4	G327+0107030+262	WIRE UL1007 AWG #26 3+70+3mm RED	MIC+		1						
2-1-5	G320+0504300+060	DIN Plug For 77-104, 4-Pin, 280±15, HF-0326 'Hang Tai', Dia5.5mm			1						
2-1-6	G308+0422130+101	Push button switch, 2P2T, Knob height13mm, PBS-221126,Green product			1						
#2-2 PLASTICS PART											
2-2-1	G506+6412010+000	(ALAN120) Panel MIC Black · ABS757 ALAN120-P-03 一出 Green product 10.8g/pc	For MIC		1						
2-2-3	G502+6412010+000	(ALAN120)MIC Front Cabine,Blackt ABS757 Alan120-P-01 一出 Green product 18.4g/pc	For MIC		1						
2-2-4											
2-2-5	G503+6412010+000	(ALAN120)MIC Rear Cabinet Black ABS757 Alan120-P-02, Green product 14.8g/pc	For MIC		1						
2-2-6											
2-2-7	G515+6412020+000	(ALAN120)MIC Side Button,Black ABS757 Alan120-P-04 一出 Green product 2.4g/pc	For MIC		1						
2-2-9	G536+6104100+000	Wheel Bracket For 77-104, Black ABS Green product	For MIC		1						
#2-3 METAL PARTS						OVERALL					
2-3-1	G412+6412040+501	Metal Plate for Alan121,black aluminum ,P.F.+2COL,T0.4mm sheet W/A."MIDLAND"Green	For MIC		1						
2-3-2	G401+2606012+400	ST Screw,M2.6x6, Black Plated, KB, Green Product	For MIC		3						
2-3-3	G401+2610002+200	ST Screw, M2.6x10, N/P, PB, Green Product	For MIC		1						
2-3-4	G412+6092001+201	MIC Metal block for 77-092, 40x30x3 mm, Iron, Zinc Plated Rev:1 Green p	For MIC		1						
2-3-5	G415+6092010+610	ALAN-100PLUS Metal MIC Bracket SECC Nickel Plated GP	Packing		1	p					
2-3-6	G402+0230064+044	External Teeth Washer, M3xOD6.4xT0.4mm, Carbon Steel, 304 Yuet Chung Green produc	Packing		2	P					
2-3-7	G400+3010000+100	M Screw, M3x10,Nickel Plated, BM,GP	Packing		2	P					
2-3-8	G401+3514013+200	S.T.Screw T3.5x14mm PBT FOR cabinet,black GP	mic cabinet		4						
#2-4 MISCELLANEOUS											
2-4-1	G817+0080010+000	Speaker Net,Japan Nylon Sheet, BLACK,OD8x0.1MM, Green Product	For MIC		1						

#3 Packing											
ITEM	P/N or DWG No.	TYPE	RAW MATERIA	DIMENSIONS	QTY	HK\$	VENDER	CODE	REQ'D QTY	ISSUE QTY	FOLLOW QTY
3-1-1	G701+4390260+260	Shipping Carton A=A ,L390xW260xH260mm Green Product			1/6	p					
3-1-2	G702+1380250+000	Carton Insert B33, L380xW250 mm, Green Product			1/3	p					
3-1-8	G707+6410000+023	Fuse Label For Alan 100 Plus GP			1						
3-1-9	G706+0382290+001	Poly Bag,38x229xT0.03mm,Red Recycle			1	P					
3-1-10	G815+0120000+100	Tie,120mm,nylon, Green pduct			1	P					

WINKLER INDUSTRIAL CO. LTD.

Model: 1001LWX 2PLL

B.O.M No.

G1

Customer: Midland

REV: E4

ELECTRONIC ENGINEER:

CHECKED BY:

Product: CB/WX

Issue Date :2009/03/3

MECHANICAL ENGINEER:

APPROVED BY:

Standard:

3-1-11	G706+1001002+212	Poly Bag 100(Open Size)x100xT0.05mm,PE,Red Recycle+PE-LD&04			3	p					
3-1-12		Brown Box Tray(Main) For 1001LWX , Green product			1	p					
3-1-13	G703+1005000+000	Gift Box For For 1001LWX, L232xW62xH245mm,,GP			1	P					
3-1-14	G706+1002002+212	Poly Bag 100(Open Size)x200xT0.05mm, PE,Red Recycle+PE-LD&04			1	P					
3-1-15	G706+2003002+212	Poly Bag 200(Open Size)x300xT0.05mm , PE,Red Recycle+PE-LD&04			1	P					
3-1-16		Instruction Manual For 1001LWX, Ver0 (wait custom supply some...??)	sample not		1	P					
3-1-17	G707+6401000+001	Serial No Label For CB1001Z Gift Box ,Woodfree Paper			1	p					
3-1-18	G723+1200006+004	Midland Catalogue, 6pages, ver4,gp			1	c					
3-1-19		Rating Label For For 1001LWX Ver0, GP			1	p					
3-1-20	G704+6400001+000	Warrant Tag For CB1000/CB1001Z L180XW40XT0.1MM, Green Product			1	P					
3-1-21	G707+6400000+000	FCC Label For CB1000/CB1001Z Ver0 Polyester, 67x10xT0.05, Green product			1	P					
3-1-22	G704+1100100+001	Brown Box Tray(MIC) For 1001LWX ,230x69x54mm,Green product			1	P					
3-1-23	G619+6400000+000	Wrapping Paper For CB1000/CB1001Z,180x260mm GP			1	P					