

REVISION HISTORY						
E.C.N	REV	DESCRIPTION	DATE	DWN	PE	CM
	2	INITIAL RELEASE FOR PRODUCTION.	12/06/05	KLW	EB	
	3	INITIAL RELEASE DERIVED FROM 138977-1 REV. 2 WITH THE FOLLOWING CHANGE: UPDATED NOTE 1 TO REV 4.	12/30/05	KLW	EB	
	4	INITIAL RELEASE DERIVED FROM 138977-1 REV. 3 WITH THE FOLLOWING CHANGE: UPDATED NOTE 1 TO REV 5. ADDED ROHS COMPLIANCE NOTE.	03/17/06	KLW	EB	

UNLESS OTHERWISE SPECIFIED, THIS PRINTED WIRING ASSEMBLY SHALL MEET THE SPECIFICATION DESCRIBED IN IPC-A-610\_ CLASS 2 STANDARDS.

ROHS COMPLIANCE: THIS PART MUST COMPLY WITH CROWN AUDIO SPECIFICATION 138935 AND ROHS DIRECTIVE 2002/95/EC OR BE DEFINED AS A ROHS APPROVED EXCEPTION.

NOTES:

1. PRINTED WIRING BOARD PART NUMBER **138656-1 REV 4**.
2. SEE **138977-1\_4.TIF** FOR SCHEMATIC AND COMPONENT MAP
3. ALL LEADS SHALL BE TRIMMED TO 0.125" OR LESS.
4. POSITION COMPONENTS AS SHOWN ON COMPONENT MAP.
5. THE PRINTED WIRING ASSEMBLY PART NUMBER FOR THIS ASSEMBLY SHALL BE MARKED ON THE PRINTED WIRING BOARD.
6. MAP LOCATIONS DENOTED BY AN ASTERISK (\*), INDICATE COMPONENTS MOUNTED ON THE BOTTOM SIDE OF THE PRINTED WIRING BOARD.



**UNCONTROLLED**  
 UNLESS OTHERWISE MARKED IN RED INK BY CM AS A CONTROLLED COPY, COPIES OF THESE DOCUMENTS INCLUDING ASSOCIATED ELECTRONIC REPRODUCTIONS ARE FOR REFERENCE ONLY  
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DWN	KLW	03/17/06	PE	EB	03/17/06	CM				DIST.			
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REF. DES.	CPN	DESCRIPTION	MAP LOC.
C1	102438-470J2	47PF 200V 5% NPO 0805	F 2
C2	102438-470J2	47PF 200V 5% NPO 0805	F 2
C3	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 5
C4	103418-103J1	CAP, 0.01UF 5% 100V X7R 0603	F 5
C5	133875-1	CAP, 1UF 10% 10V X7R 0805 SMT	F 5
C6	103418-103J1	CAP, 0.01UF 5% 100V X7R 0603	F 5
C7	103418-103J1	CAP, 0.01UF 5% 100V X7R 0603	F 5
C8	130615-1	CAP, 1UF 16V X7R 10% 1206 SMT	F 5
C9	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 5
C10	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 5
C11	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 4
C12	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 6
C13	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 2
C14	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C15	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C16	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C17	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 2
C165	A11427-334J5	0.33UF 50V 5% X7R 1206 T/R	L 3
C166	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	M 3
C167	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C168	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C169	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C170	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	L 3
C171	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C172	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C173	A11369-221J1	CAP, 220PF 50V 5% NPO 0603 T/R	K 2
C174	139278-1	CAP, 0.47UF 63V POLY RAD	L 6
C175	102438-470J2	47PF 200V 5% NPO 0805	L 6
C176	102438-470J2	47PF 200V 5% NPO 0805	K 6
C177	139278-1	CAP, 0.47UF 63V POLY RAD	K 6
C178	A11369-221J1	CAP, 220PF 50V 5% NPO 0603 T/R	K 2
C179	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	K 3
C180	139278-1	CAP, 0.47UF 63V POLY RAD	L 6
C181	139278-1	CAP, 0.47UF 63V POLY RAD	K 6
C184	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	L 6
C185	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	K 6
C186	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 3
C187	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	K 3
C188	126539-1	10UF 16V 5.5MM HIGH SMD	L 2
C189	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	L 2
C199	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 4
C265		OPEN	J 3
C266		OPEN	K 3
C267		OPEN	J 3
C268		OPEN	J 3
C269		OPEN	K 3
C270		OPEN	J 3
C271		OPEN	K 3
C272		OPEN	K 3
C273		OPEN	J 2
C274		OPEN	K 6
C275		OPEN	K 6
C276		OPEN	J 6
C277		OPEN	J 6
C278		OPEN	J 2
C279		OPEN	J 3

C280		OPEN	K 6
C281		OPEN	J 6
C284		OPEN	K 6
C285		OPEN	J 6
C286		OPEN	K 3
C287		OPEN	J 3
C288		OPEN	J 2
C289		OPEN	J 2
C299		OPEN	F 5
C365	A11427-334J5	0.33UF 50V 5% X7R 1206 T/R	I 3
C366	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C367	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C368	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C369	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C370	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	I 3
C371	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C372	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C373	A11369-221J1	CAP, 220PF 50V 5% NPO 0603 T/R	H 2
C374	139278-1	CAP, 0.47UF 63V POLY RAD	I 6
C375	102438-470J2	47PF 200V 5% NPO 0805	I 6
C376	102438-470J2	47PF 200V 5% NPO 0805	H 6
C377	139278-1	CAP, 0.47UF 63V POLY RAD	I 6
C378	A11369-221J1	CAP, 220PF 50V 5% NPO 0603 T/R	H 2
C379	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C380	139278-1	CAP, 0.47UF 63V POLY RAD	I 6
C381	139278-1	CAP, 0.47UF 63V POLY RAD	I 6
C384	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	I 6
C385	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	H 6
C386	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 3
C387	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C388	126539-1	10UF 16V 5.5MM HIGH SMD	H 2
C389	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	I 2
C399	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	F 5
C601	137030-1	CAP, 1UF X2 REDUCED SIZE	A 5
C602	134169-1	CAP, .01UF 20% 250V Y2	B 5
C603	134169-1	CAP, .01UF 20% 250V Y2	B 4
C604	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	A 4
C605	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	B 4
C606	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	A 4
C607	A10434-104JD	.1UF 250V 5% MTL POLY FILM T/A	B 4
C608		OPEN	A 3
C609		OPEN	B 3
C610	131310-2	CAP, 1200UF 200VDC PC MNT ELECT	A 2
C611	131310-2	CAP, 1200UF 200VDC PC MNT ELECT	B 2
C612	A10434-333JD	.033UF 250V 5% MTL POLY FILM	A 3
C613	A10434-333JD	.033UF 250V 5% MTL POLY FILM	C 3
C614	134382-1	CAP, 0.047UF 5% 400V POLYESTER	B 1
C615	134382-1	CAP, 0.047UF 5% 400V POLYESTER	C 2
C616	134382-1	CAP, 0.047UF 5% 400V POLYESTER	C 2
C617	A11369-101J1	100PF 50V 5% NPO 0603	E 3
C622	A11369-102F2	1000PF 50V 1% CHIP CAP	D 3
C623	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C625	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C626	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C627	A11427-224J5	0.22UF 50V 5% X7R 1206 T/R	D 2
C628	A11427-224J5	0.22UF 50V 5% X7R 1206 T/R	D 2
C629	133869-1	CAP, 150PF 5% 500V NPO RAD T/R	D 1
C630	133869-1	CAP, 150PF 5% 500V NPO RAD T/R	C 3
C631	138885-1	CAP, 0.082UF 600VDC	C 3

C632	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 2
C633	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C634	131015-1	CAP, 220UF 35V .200LS T/A	D 3
C635	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	D 4
C636	A11427-473K2	.047UF 50V 10% X7R MLC 0805 TR	F 3
C637	A11427-473K2	.047UF 50V 10% X7R MLC 0805 TR	F 3
C638	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 3
C639	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	E 3
C640	131015-1	CAP, 220UF 35V .200LS T/A	F 3
C641	131015-1	CAP, 220UF 35V .200LS T/A	E 3
C642		OPEN	J 4
C643	138421-1	CAP,4,700UF 63VDC PC MNT ELECT	I 4
C644	138421-1	CAP,4,700UF 63VDC PC MNT ELECT	L 4
C645	138924-1	CAP, 47UF 63V 8MM DIA	I 3
C646	138924-1	CAP, 47UF 63V 8MM DIA	L 3
C647	138924-1	CAP, 47UF 63V 8MM DIA	K 3
C648		OPEN	J 3
C649	138924-1	CAP, 47UF 63V 8MM DIA	J 3
C650	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 3
C651	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 3
C652	131015-1	CAP, 220UF 35V .200LS T/A	G 4
C653	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 3
C654	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C655	131015-1	CAP, 220UF 35V .200LS T/A	G 4
C656	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 3
C657	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 3
C658	131015-1	CAP, 220UF 35V .200LS T/A	G 2
C659	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C660	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 3
C661	131015-1	CAP, 220UF 35V .200LS T/A	G 2
C662		OPEN	B 6
C663		OPEN	B 5
C664	C10325-6	2200.PF 250VAC 20% FILM Y2	E 4
C665		OPEN	B 5
C666		OPEN	B 4
C801	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 5
C802	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 5
C803	102438-470J2	47PF 200V 5% NPO 0805	G 5
C804	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	G 5
C805	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	G 5
C806	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 5
C807	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 5
C808	131015-1	CAP, 220UF 35V .200LS T/A	G 6
C809	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 5
C810	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 6
C811	102438-470J2	47PF 200V 5% NPO 0805	H 5
C812	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	H 5
C813	A11369-102J2	.001UF 50V 5% NPO MLC 0805 T/R	H 5
C814	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	G 5
C815	131015-1	CAP, 220UF 35V .200LS T/A	G 6
C816	A11427-104K2	.1UF 50V CHIP CAP 10% 0805 X7R	H 5
D165	138895-1	DIODE, SCHOTTKY DUAL 1PS70SB85	L 2
D166	138925-1	DIODE, ZENER 11V SOT-23	L 3
D167	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	M 3
D168	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	L 3
D169	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	L 3
D170	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	L 3
D171	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	L 3
D172	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	L 3

D173	138925-1	DIODE, ZENER 11V SOT-23	K 3
D199	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 4
D265		OPEN	J 2
D266		OPEN	K 3
D267		OPEN	K 3
D268		OPEN	K 3
D269		OPEN	K 3
D270		OPEN	J 3
D271		OPEN	J 3
D272		OPEN	J 3
D273		OPEN	J 3
D299		OPEN	F 5
D365	138895-1	DIODE, SCHOTTKY DUAL 1PS70SB85	I 2
D366	138925-1	DIODE, ZENER 11V SOT-23	I 3
D367	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	I 3
D368	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	I 3
D369	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	I 3
D370	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	H 3
D371	138894-1	DIODE,ZETEX 1A 40V ZHCS1000	H 3
D372	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	I 3
D373	138925-1	DIODE, ZENER 11V SOT-23	H 3
D399	135343-1	DIODE, DUAL MMBD4148SE SOT-23	F 5
D600	C 7478-8	1N4148 MINIMELF CHIP DIODE T/R	C 6
D601	125770-1	RECT, 35A 600V PC MNT BRIDGE	B 4
D602	126549-1	DIODE,30V 200MA SCHOTTKY SOT23	D 3
D605	126620-1	DIODE, 600V 1A SMB ULTRAFAST	D 2
D606	138931-1	DIODE, ZENER 30V SOT-23	D 4
D607	125340-1	DIODE, ZENER .225W 17V Z5247B	D 4
D608	C 7478-8	1N4148 MINIMELF CHIP DIODE T/R	D 4
D609	125255-1	DIODE, ULTRAFAST 200V 1A SMA	D 4
D610	125255-1	DIODE, ULTRAFAST 200V 1A SMA	D 4
D611	C 7478-8	1N4148 MINIMELF CHIP DIODE T/R	E 5
D612	138883-1	DIODE, DUAL 15A 100V SCHOTTKY	E 3*
D613	138883-1	DIODE, DUAL 15A 100V SCHOTTKY	E 3*
D614	138883-1	DIODE, DUAL 15A 100V SCHOTTKY	F 3*
D615	138883-1	DIODE, DUAL 15A 100V SCHOTTKY	F 3*
D616	C10067-4	DIODE, 1A 100V SILICON SMT T/R	H 3
D617	C10067-4	DIODE, 1A 100V SILICON SMT T/R	H 3
D801	125593-1	DIODE, SCHOTTKY 40V 1A SMA	G 6
D802	125593-1	DIODE, SCHOTTKY 40V 1A SMA	H 6
F1	A10285-45	FUSE, 2A 250V FAST ACTING	C 3
F1X	134380-1	FUSE CLIP, PC MNT 5MM T/A	C 3
F1XX	134380-1	FUSE CLIP, PC MNT 5MM T/A	C 4
FB165	125846-1	FERRITE BEAD, 600 OHM .5A 0805	K 2
FB166	125846-1	FERRITE BEAD, 600 OHM .5A 0805	K 2
FB265		OPEN	J 2
FB266		OPEN	J 2
FB365	125846-1	FERRITE BEAD, 600 OHM .5A 0805	H 2
FB366	125846-1	FERRITE BEAD, 600 OHM .5A 0805	H 2
J1		OPEN	F 2
J2		OPEN	F 2
J100		OPEN	K 2
J200		OPEN	I 2
J300		OPEN	G 2
K601	135662-1	RELAY, SPDT 12A 5VDC PC MT	C 6
L165	138304-1	COIL, 3UH OUTPUT	L 5
L265		OPEN	J 5
L365	138304-1	COIL, 3UH OUTPUT	I 5
L601	138947-1	CHOKE, COMMON MODE	B 5

L602	138884-1	INDUCTOR, 7.1UH 3A	C 5
L801	C10496-5	INDUCTOR, 100UH 10% RADIAL T/R	G 6
L802	C10496-5	INDUCTOR, 100UH 10% RADIAL T/R	H 6
PWB1	138656-2	PWB, MRX MAIN	A 1
Q1	C 7448-1	MMBT3904 CHIP NPN	F 2
Q2	125798-1	TRANSISTOR,MMBT3906LTI PNP SMT	F 5
Q3	125798-1	TRANSISTOR,MMBT3906LTI PNP SMT	F 6
Q165	C 7448-1	MMBT3904 CHIP NPN	L 2
Q166	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	K 2
Q167	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	L 2
Q168	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	L 2
Q169	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	L 2
Q170	138546-1	MOSFET, P CH 60V 27A TO220	L 3*
Q171	138547-1	MOSFET, N CH 60V 30A TO220	L 3*
Q172	138546-1	MOSFET, P CH 60V 27A TO220	K 3*
Q173	138547-1	MOSFET, N CH 60V 30A TO220	K 3*
Q265		OPEN	K 2
Q266		OPEN	J 2
Q267		OPEN	J 2
Q268		OPEN	K 2
Q269		OPEN	K 2
Q270		OPEN	K 3*
Q271		OPEN	K 3*
Q272		OPEN	J 3*
Q273		OPEN	J 3*
Q365	C 7448-1	MMBT3904 CHIP NPN	I 2
Q366	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	H 2
Q367	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	I 2
Q368	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	I 2
Q369	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	I 2
Q370	138546-1	MOSFET, P CH 60V 27A TO220	I 3*
Q371	138547-1	MOSFET, N CH 60V 30A TO220	I 3*
Q372	138546-1	MOSFET, P CH 60V 27A TO220	H 3*
Q373	138547-1	MOSFET, N CH 60V 30A TO220	H 3*
Q601	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	D 2
Q602	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	D 1
Q603	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	D 2
Q604	131047-1	TRANSISTOR, KSA1298 PNP SOT-23	D 2
Q605	138424-1	IGBT, 20A 600V TRENCH W/DIODE	C 1*
Q606	138424-1	IGBT, 20A 600V TRENCH W/DIODE	C 2*
Q607	C 8103-1	MPSW42 300V 1 WATT NPN T/R	D 4
Q608	C 8103-1	MPSW42 300V 1 WATT NPN T/R	D 4
Q609	C 8103-1	MPSW42 300V 1 WATT NPN T/R	D 4
Q610	C 8103-1	MPSW42 300V 1 WATT NPN T/R	D 4
Q611	C 7448-1	MMBT3904 CHIP NPN	D 4
Q612	131046-1	TRANSISTOR, KSC3265 NPN SOT-23	D 3
Q801	C 7448-1	MMBT3904 CHIP NPN	G 5
Q802	132065-1	MOSFET, P-CH 60V 0.8 OHM 1.17A	G 6
Q803	C 7448-1	MMBT3904 CHIP NPN	H 5
Q804	127169-1	MOSFET, P-CH 50V 150MA SOT-23	H 5
R1	A11368-10040	RES, 1.00 MOHM 1/16W 1% 0603	F 2
R2	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	F 2
R3	A11368-10001	100 OHM 1% 0805 RES T/R	F 2
R4		OPEN	F 2
R5	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	F 2
R6	A11368-32401	RES, 324 OHM 1% 0.1W 0805	F 2
R7	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	F 5
R8	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	F 5
R9	A11368-15020	RES, 15K OHM 1% 1/16W 0603	F 5

R10	A11368-10040	RES, 1.00 MOHM 1/16W 1% 0603	F 4
R11	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	F 6
R12	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	F 5
R13	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	F 5
R15	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	F 6
R16	A11368-29421	29.4 KOHM .1W 1% 0805 T/R	F 5
R17	A11368-30111	3.01K 1/10W 1% SMD 0805 T/R	F 5
R18	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	F 5
R19	A11368-13020	RES, 13K OHM 1% 1/16W 0603	F 5
R20	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	F 5
R21	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	F 5
R22	A11368-13020	RES, 13K OHM 1% 1/16W 0603	F 6
R23	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	F 5
R24	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	F 5
R25	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	F 5
R26	A11368-10040	RES, 1.00 MOHM 1/16W 1% 0603	F 4
R27	A11368-10040	RES, 1.00 MOHM 1/16W 1% 0603	F 4
R165	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	L 3
R166	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	L 3
R167	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	L 3
R168	A11368-49900	499 OHM 1/16W 1% 0603	L 2
R169	A11368-49900	499 OHM 1/16W 1% 0603	L 2
R170	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	L 2
R171	A11368-15020	RES, 15K OHM 1% 1/16W 0603	L 2
R172	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	L 2
R173	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	L 2
R174	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	L 2
R175	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	L 3
R176	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	L 3
R177	A11368-14701	RES, 147 OHM 1% 0.1W 0805 T/R	L 3
R178	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	K 2
R179	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	K 2
R180	A11368-14701	RES, 147 OHM 1% 0.1W 0805 T/R	K 3
R181	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	K 3
R182	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	L 3
R183	132559-1	RES, 8.2 OHM 5% 2W RADIAL	L 6
R184	132559-1	RES, 8.2 OHM 5% 2W RADIAL	K 6
R185	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	K 2
R186	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	K 2
R199	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	L 2
R265		OPEN	K 3
R266		OPEN	J 3
R267		OPEN	J 3
R268		OPEN	J 2
R269		OPEN	J 2
R270		OPEN	K 2
R271		OPEN	K 2
R272		OPEN	J 2
R273		OPEN	J 2
R274		OPEN	J 2
R275		OPEN	K 3
R276		OPEN	K 3
R277		OPEN	K 3
R278		OPEN	J 2
R279		OPEN	J 2
R280		OPEN	J 3
R281		OPEN	J 3
R282		OPEN	J 3
R283		OPEN	K 6

R284		OPEN	J 6
R285		OPEN	J 2
R286		OPEN	I 2
R299		OPEN	J 2
R365	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	I 3
R366	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	I 3
R367	A11368-22R11	22.1 OHM 0.1W 1% 0805 T/R	I 3
R368	A11368-49900	499 OHM 1/16W 1% 0603	I 2
R369	A11368-49900	499 OHM 1/16W 1% 0603	I 2
R370	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	I 2
R371	A11368-15020	RES, 15K OHM 1% 1/16W 0603	I 2
R372	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	I 2
R373	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	I 2
R374	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	I 2
R375	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	I 3
R376	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	I 3
R377	A11368-14701	RES, 147 OHM 1% 0.1W 0805 T/R	I 3
R378	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	H 2
R379	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	H 2
R380	A11368-14701	RES, 147 OHM 1% 0.1W 0805 T/R	H 3
R381	A11368-24R91	RES, 24.9 OHM 1% 0.1W 0805	H 3
R382	A11368-20030	RES, 200 KOHM 1/16W 1% 0603	I 3
R383	132559-1	RES, 8.2 OHM 5% 2W RADIAL	I 6
R384	132559-1	RES, 8.2 OHM 5% 2W RADIAL	I 6
R385	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	G 2
R386	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	G 2
R399	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	G 2
R601	A11368-20033	RES, 200K .25W 1% 1210 T/R	A 4
R602	A11368-59032	590KOHM 1% 0.125W 1206 T/R	A 4
R603	A11371-8235	82K OHM 5% 1W 2512 T/R	B 3
R604	A11371-8235	82K OHM 5% 1W 2512 T/R	B 2
R605	A11371-5R11	5.1 OHM 0.1W 5% 0805 SMT	B 1
R606	A11371-5R11	5.1 OHM 0.1W 5% 0805 SMT	B 1
R607	A11371-5R11	5.1 OHM 0.1W 5% 0805 SMT	B 2
R608	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 3
R609	A11368-10001	100 OHM 1% 0805 RES T/R	D 3
R610	A10266-2433R	RES, 24K OHM 5% 1W T/R	D 3
R612	A10266-7534R	RES, 75K OHM 5% 2W RAD T/R	D 3
R613	A11368-20020	RES, 20.0 KOHM 1/16W 1% 0603	D 3
R614	A11368-10720	RES, 10.7 KOHM 1/16W 1% 0603	D 3
R615	A11368-10020	RES, 10.0 KOHM 1/16W 1% 0603	E 2
R616	A11368-49920	RES, 49.9 KOHM 1/16W 1% 0603	D 2
R617	A11368-45310	RES, 4.53 K OHM .0625W 1% 0603 T/R	D 3
R623	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 2
R624	A11368-10010	RES, 1.0 KOHM 1/16W 1% 0603	D 2
R625	A11368-49R91	RES, 49.9 OHM 1% 0.1W SMT 0805	D 2
R626	A11368-10R03	10 OHM 0.25W 1% 1210 T/R	D 1
R627	A11368-49R91	RES, 49.9 OHM 1% 0.1W SMT 0805	D 2
R628	A11368-10R03	10 OHM 0.25W 1% 1210 T/R	D 2
R629	A11371-1615	160 OHM 5% 1W 2512	B 1
R630	A11371-1615	160 OHM 5% 1W 2512	B 1
R631	A11371-1615	160 OHM 5% 1W 2512	C 1
R632	A11371-1615	160 OHM 5% 1W 2512	C 1
R633	A11371-1615	160 OHM 5% 1W 2512	D 3
R634	A11371-1615	160 OHM 5% 1W 2512	D 3
R635	A11371-1615	160 OHM 5% 1W 2512	D 3
R636	A11371-1615	160 OHM 5% 1W 2512	D 3
R637	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	D 4
R638	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	D 4



R639	A11368-10R00	RES, 10 OHM 1/16W 1% 0603	D 4
R640	A11368-27412	2.74 KOHM .125W 1% 1206 T/R	D 4
R641	A11368-27412	2.74 KOHM .125W 1% 1206 T/R	D 4
R642	A11368-10R03	10 OHM 0.25W 1% 1210 T/R	D 4
R644	A11368-25531	RES, 255K 1% 0.1W SMT 0805	D 3
R645	A11368-20010	RES, 2.0 KOHM 1/16W 1% 0603	D 4
R646	A11368-15420	RES, 15.4 K OHM .0625W 1% 0603 T/R	D 4
R647	A11371-0R04	0 OHM 1/2W 5% 2010 T/R	F 3
R648	A11371-0R04	0 OHM 1/2W 5% 2010 T/R	E 6
R649	A11371-3923	3.9K .25W 5% 1210 T/R	F 3
R650	A11371-3923	3.9K .25W 5% 1210 T/R	F 3
R651		OPEN	D 2
R652	A11371-0R00	RES, 0 OHM 0603 50 MILOHM MAX	D 2
R653		OPEN	D 2
R654	A11371-0R00	RES, 0 OHM 0603 50 MILOHM MAX	D 2
R655	A11368-25531	RES, 255K 1% 0.1W SMT 0805	D 3
R656	A11368-25531	RES, 255K 1% 0.1W SMT 0805	D 3
R801	A11368-25511	2.55KOHM .1W 1% 0805 T/R	G 5
R802		OPEN	F 5
R803	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	G 5
R804	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	G 5
R805	A11368-78711	7.87K OHM 0.10W 1% 0805 T/R	G 5
R806	A11368-49902	499 OHM .125W 1% 1206 T/R	G 5
R807	A11368-49902	499 OHM .125W 1% 1206 T/R	G 5
R808	A11368-25511	2.55KOHM .1W 1% 0805 T/R	G 5
R809	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	G 5
R810	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	H 5
R811	A11368-10030	RES, 100.0 KOHM 1/16W 1% 0603	H 5
R812	A11368-78711	7.87K OHM 0.10W 1% 0805 T/R	H 5
R813	A11368-49900	499 OHM 1/16W 1% 0603	H 5
R814	A11368-49900	499 OHM 1/16W 1% 0603	H 5
R815	A11368-12120	RES, 12.1 KOHM 1/16W 1% 0603	G 6
R816	A11368-49910	RES, 4.99 KOHM 1/16W 1% 0603	G 5
RT2	133188-1	THERMISTOR, 20K NTC 0805 SMT	F 4
RT601	101103-1	PTC, 6.0 OHM 265V	B 6
T601	138545-1	XFMR, MRX MAIN	D 5
T602	134525-2	XFMR, 10:12:12 GATE DRIVE	E 3
TP601		OPEN	E 3
TP602		OPEN	F 3
TP603		OPEN	E 3
U1	126653-1	SGL 2 INPUT NOR GATE SOT-23-5	F 2
U2	C10344-7	74HC74AD DUAL D FLIP FLOP SOIC	E 2
U3	C10344-7	74HC74AD DUAL D FLIP FLOP SOIC	E 2
U4	C10344-7	74HC74AD DUAL D FLIP FLOP SOIC	E 2
U5	C10344-7	74HC74AD DUAL D FLIP FLOP SOIC	E 2
U7	C 9038-8	COMPARATOR, QUAD LM339D SO-14	F 5
U8	C 9038-8	COMPARATOR, QUAD LM339D SO-14	F 5
U165	138550-1	DVR, 1.5A DUAL SO-8 MOSFET	L 2
U265		OPEN	J 2
U365	138550-1	DVR, 1.5A DUAL SO-8 MOSFET	I 2
U602	138341-1	IC, TL494 PWM CTRL SO-16	D 2
U603	138908-1	DRVR, 600V HB FAN7380MX	D 2
U604	C 5095-2	MC7815CT +15V. REG	G 3*
U605	C 9697-1	MC7905ACT -5V 2% REGULATOR	H 3*
U606	C 5094-5	MC7805CT +5V. REG	G 3*
U607	C 5096-0	MC7915CT -15V. REG	H 3*
U801	138341-1	IC, TL494 PWM CTRL SO-16	G 5
U802	138341-1	IC, TL494 PWM CTRL SO-16	H 5
W1	138949-1	WIRES, MRX PRIMARY	A 6

W2	138950-1	WIRES, MRX VOLT SELECTOR	B 4
W3	138945-1	WIRES, MRX INTERFACE BRD	K 6
Y1	131114-1	CRYSTAL, 4MHZ SMD	F 2

Count of CPN	
CPN	Total
(blank)	0
101103-1	1
102438-470J2	8
103418-103J1	3
125255-1	2
125340-1	1
125593-1	2
125770-1	1
125798-1	2
125846-1	4
126539-1	2
126549-1	5
126620-1	1
126653-1	1
127169-1	1
130615-1	1
131015-1	9
131046-1	7
131047-1	6
131114-1	1
131310-2	2
132065-1	1
132559-1	4
133188-1	1
133869-1	2
133875-1	1
134169-1	2
134380-1	2
134382-1	3
134525-2	1
135343-1	2
135662-1	1
137030-1	1
138304-1	2
138341-1	3
138421-1	2
138424-1	2
138545-1	1
138546-1	4
138547-1	4
138550-1	2
138656-2	1
138883-1	4
138884-1	1
138885-1	1
138894-1	8
138895-1	2
138908-1	1
138924-1	4
138925-1	4
138931-1	1
138945-1	1
138947-1	1
138949-1	1
138950-1	1
139278-1	8

A10266-2433R	1
A10266-7534R	1
A10285-45	1
A10434-104JD	4
A10434-333JD	2
A11368-10001	2
A11368-10010	15
A11368-10020	2
A11368-10030	11
A11368-10040	4
A11368-10720	1
A11368-10R00	7
A11368-10R03	3
A11368-12120	1
A11368-13020	2
A11368-14701	4
A11368-15020	3
A11368-15420	1
A11368-20010	4
A11368-20020	1
A11368-20030	4
A11368-20033	1
A11368-22R11	6
A11368-24R91	4
A11368-25511	2
A11368-25531	3
A11368-27412	2
A11368-29421	1
A11368-30111	1
A11368-32401	1
A11368-45310	1
A11368-49900	6
A11368-49902	2
A11368-49910	7
A11368-49920	1
A11368-49R91	2
A11368-59032	1
A11368-78711	2
A11369-101J1	1
A11369-102F2	1
A11369-102J2	10
A11369-221J1	4
A11371-0R00	2
A11371-0R04	2
A11371-1615	8
A11371-3923	2
A11371-5R11	3
A11371-8235	2
A11427-104K2	56
A11427-224J5	2
A11427-334J5	2
A11427-473K2	2
C 5094-5	1
C 5095-2	1
C 5096-0	1
C 7448-1	6
C 7478-8	3
C 8103-1	4
C 9038-8	2

C 9697-1	1
C10067-4	2
C10325-6	1
C10344-7	4
C10496-5	2
Grand Total	382