



PARTS LIST

NAT Part #: **NTX138-7**

Description: **NTX138 Controller Subassembly**

Document#: **NTX138-7/701-0**

Rev: **1.40**

Prepared By:	Checked By:	Approved By:
--------------	-------------	--------------

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
<u>CAPACITORS</u>					
C701	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	66
C702	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C703	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C704	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	6
C705	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C706	SM, Ceramic, 100 V	47 pF	1206	11-06-470	2
C707	SM, Ceramic, 100 V	47 pF	1206	11-06-470	
C708	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C709	NOT ISSUED			N/A	
C710	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C711	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C712	NOT ISSUED			N/A	
C713	NOT ISSUED			N/A	
C714	NOT ISSUED			N/A	
C715	SM, Ceramic, 100 V	0.01 uF	1206	11-06-103	5
C716	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C717	NOT ISSUED			N/A	
C718	NOT INSTALLED			N/A	
C719	NOT INSTALLED			N/A	
C720	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	11
C721	Aluminum Electrolytic, 50 V	22 uF	1H	10-36-226	1
C722	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C723	SM, Tantalum Molded, 20 V	2.2 uF	3528	11-52-225	1
C724	SM, Ceramic, 50 V	330 pF	1206	11-05-331	1
C725	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C726	SM, Ceramic, 100 V	0.01 uF	1206	11-06-103	
C727	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	8
C728	SM, Ceramic, 50 V	22 pF	1206	11-05-220	3
C729	NOT ISSUED			N/A	
C730	NOT ISSUED			N/A	
C731	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C732	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C733	NOT ISSUED			N/A	
C734	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C735	Electrolytic, Low ESR, 35 V	330 uF		10-85-337	4
C736	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C737	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C738	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C739	NOT ISSUED			N/A	
C740	NOT ISSUED			N/A	

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
C741	NOT ISSUED			N/A	
C742	NOT ISSUED			N/A	
C743	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C744	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C745	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C746	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C747	SM, Ceramic, 50 V	0.047 uF	1206	11-05-473	2
C748	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C749	Aluminum Electrolytic, 16 V	100 uF	1C	10-32-107	1
C750	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C751	SM, Ceramic, 50 V	150 pF	1206	11-05-151	2
C752	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C753	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C754	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C755	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C756	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	8
C757	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C758	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C759	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C760	Aluminum Electrolytic, 25 V	470 uF	1E	10-33-477	2
C761	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C762	SM, Tantalum Molded, 16 V	10 uF	6032	11-51-106	1
C763	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C764	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C765	Tantalum Dipped, 16 V	100 uF	T352	10-16-107	1
C766	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C767	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C768	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C769	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C770	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C771	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C772	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C773	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C774	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C775	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C776	SM, Ceramic, 50 V	0.022 uF	1206	11-05-223	1
C777	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C778	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C779	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C780	SM, Ceramic, 100 V	0.01 uF	1206	11-06-103	
C781	Electrolytic, Low ESR, 35 V	330 uF		10-85-337	
C782	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C783	Aluminum Electrolytic, 35 V	100 uF		10-34-107	1
C784	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C785	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	
C786	Tantalum Dipped, 35 V	1 uF	T352/6	10-18-105	2
C787	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C788	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C789	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C790	Electrolytic, Low ESR, 35 V	330 uF		10-85-337	
C791	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C792	Aluminum Electrolytic, 35 V	330 uF	1V	10-34-337	1

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
C793	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C794	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C795	Aluminum Electrolytic, 25 V	470 uF	1E	10-33-477	
C796	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C797	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	
C798	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C799	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C800	Tantalum Dipped, 20 V	47 uF	T352	10-17-476	2
C801	Tantalum Dipped, 35 V	10 uF	T352/6	10-18-106	
C802	SM, Ceramic, 50 V	22 pF	1206	11-05-220	
C803	Tantalum Dipped, 50 V	10 uF	T350	10-19-106	1
C804	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C805	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C806	Electrolytic, Low ESR, 35 V	330 uF		10-85-337	
C807	NOT ISSUED			N/A	
C808	NOT ISSUED			N/A	
C809	Tantalum Dipped, 35 V	1 uF	T352/6	10-18-105	
C810	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C811	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C812	SM, Ceramic, 200 V	33 pF	1206	11-07-330	
C813	SM, Ceramic, 200 V	33 pF	1206	11-07-330	
C814	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C815	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C816	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C817	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	
C818	SM, Ceramic, 50 V	1000 pF	1206	11-05-102	2
C819	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	
C820	SM, Ceramic, 50 V	2200 pF	1206	11-05-222	4
C821	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C822	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C823	Tantalum Dipped, 20 V	47 uF	T352	10-17-476	
C824	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C825	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C826	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C827	SM, Tantalum Molded, 10 V	4.7 uF	3528	11-50-475	1
C828	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C829	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C830	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C831	SM, Ceramic, 50 V	22 pF	1206	11-05-220	
C832	NOT ISSUED			N/A	
C833	NOT ISSUED			N/A	
C834	NOT ISSUED			N/A	
C835	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C836	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C837	NOT ISSUED			N/A	
C838	NOT ISSUED			N/A	
C839	NOT ISSUED			N/A	
C840	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C841	NOT ISSUED			N/A	
C842	NOT ISSUED			N/A	
C843	NOT ISSUED			N/A	
C844	NOT ISSUED			N/A	

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
C845	NOT ISSUED			N/A	
C846	SM, Ceramic, 100 V	0.01 uF	1206	11-06-103	
C847	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C848	SM, Ceramic, 50 V	150 pF	1206	11-05-151	
C849	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C850	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C851	SM, Tantalum Molded, 35 V	1 uF	3528	11-53-105	
C852	SM, Ceramic, 50 V	4700 pF	1206	11-05-472	2
C853	SM, Ceramic, 100 V	0.01 uF	1206	11-06-103	
C854	SM, Ceramic, 50 V	4700 pF	1206	11-05-472	
C855	SM, Ceramic, 50 V	2200 pF	1206	11-05-222	
C856	SM, Ceramic, 50 V	1000 pF	1206	11-05-102	
C857	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C858	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C859	SM, Ceramic, 100 V	100 pF	1206	11-06-101	1
C860	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C861	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C862	Tantalum Dipped, 35 V	2.2 uF	T352/6	10-18-225	1
C863	SM, Ceramic, 50 V	0.01 uF	1206	11-05-103	1
C864	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C865	SM, Ceramic, 50 V	0.047 uF	1206	11-05-473	
C866	SM, Ceramic, 25 V	0.22 uF	1206	11-01-224	
C867	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C868	SM, Ceramic, 50 V	2200 pF	1206	11-05-222	
C869	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C870	SM, Ceramic, 50 V	2200 pF	1206	11-05-222	
C871	NOT INSTALLED			N/A	
C872	NOT INSTALLED			N/A	
C873	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C874	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C875	SM, Tantalum Molded, 16 V	10 uF	3528	11-49-106	
C876	NOT ISSUED			N/A	
C877	SM, Ceramic, 50 V	0.1 uF	1206	11-05-104	
C878	NOT INSTALLED			N/A	
C879	NOT ISSUED			N/A	
C880	NOT INSTALLED			N/A	
C881	NOT INSTALLED			N/A	

DIODES

D701	SM, Rectifier, Schottky	BAT54CDICT	SOT-23	74-30-030	1
D702	Small Signal, Silicon	1N459A	DO204AH	75-01-459	2
D703	SM, Small Signal, Silicon	TMPD914	SOT-23	74-00-301	4
D704	Transzorb, 43 V, 5 W	1N6286A		75-50-286	1
D705	Zener, 1 W, 27 V	1N4750A	DO-41	75-12-050	1
D706	SM, Small Signal, Silicon	TMPD914	SOT-23	74-00-301	
D707	SM, Zener, 5.1 V	MMBZ5231B	SOT-23	74-10-351	1
D708	Schottky Rectifier, 1 A, 20 V	1N5817	DO-41	75-30-817	2
D709	SM, Rectifier, 1 A, 600 V	1N6482	MLL41	74-20-005	4
D710	Schottky Rectifier, 1 A, 20 V	1N5817	DO-41	75-30-817	
D711	SM, Rectifier, 1 A, 600 V	1N6482	MLL41	74-20-005	
D712	NOT ISSUED			N/A	
D713	NOT ISSUED			N/A	

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
D714	SM, Small Signal, Silicon	TMPD914	SOT-23	74-00-301	
D715	Rectifier, 1 A, 50 V	1N4001	DO-41	75-20-001	2
D716	Small Signal, Silicon	1N459A	DO204AH	75-01-459	
D717	Zener, 0.5 W, 4.7 V	1N750A	DO-7	75-10-050	1
D718	SM, Rectifier, 1 A, 600 V	1N6482	MLL41	74-20-005	
D719	NOT ISSUED			N/A	
D720	SM, Rectifier, 1 A, 600 V	1N6482	MLL41	74-20-005	
D721	SM, Small Signal, Silicon	TMPD914	SOT-23	74-00-301	
D722	Rectifier, 1 A, 50 V	1N4001	DO-41	75-20-001	

DISPLAYS

DS701	LED, Bi-color, Red/Green	VRBG5614S	T1-3/4	47-16-314	1
DS702	LED, Green, Bi-Pin		T1-3/4	47-01-253	1

FILTERS

FL701	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	16
FL702	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL703	T Network, 100 V			22-10-102	1
FL704	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL705	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL706	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL707	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL708	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL709	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL710	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL711	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL712	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL713	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL714	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL715	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL716	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	
FL717	SM, RFI Filter, "T" type	NFM41R11C223	1806	35-57-103	

CONNECTORS

J701	D-sub Plug, 90 Deg., PC Mnt, Filtered		25 Pin	20-14-725F	1
J702	Strip Plug, Dbl Row Straight, PC Mnt		10 Pin	20-00-010	1
J703	Strip Socket, Dbl Row Straight, PC Mnt		18 pin	20-07-118	2
J704	Strip Socket, Dbl Row Straight, PC Mnt		18 pin	20-07-118	
J705	MTA100, Header,, Vert Plug, PC Mt		5 Pin	20-95-905	1
J706	MTA100 Socket, Vert Plug, PC Mnt		4 Pin	20-95-904	1

JUMPERS

JP701	NOT ISSUED			N/A	
JP702	Strip Plug, Sgl Row Straight, PC Mnt		3 Pin	20-03-003	2
JP703	Strip Plug, Sgl Row Straight, PC Mnt		3 Pin	20-03-003	
JP704	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	10
JP705	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP706	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP707	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP708	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP709	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP710	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP711	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
JP712	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
JP713	Strip Plug, Sgl Row Straight, PC Mnt		2 Pin	20-03-002	
<u>INDUCTORS</u>					
L701	SM, Inductor	10 uH	1206	35-62-100	2
L702	SM, Inductor	1 uH	1008	35-62-102	2
L703	SM, Inductor	10 uH	1206	35-62-100	
L704	SM, Inductor	1 uH	1008	35-62-102	
L705	Ferrite Bead, Choke			35-30-010	1
L706	Inductor, High Power	180 uH		35-02-181	2
L707	NOT ISSUED			N/A	
L708	Inductor, High Power	180 uH		35-02-181	
<u>TRANSISTORS</u>					
Q701	Bi-polar, Power, NPN Darlington	MJF-122	TO-220	77-19-122	1
Q702	SM, Bi-Polar, NPN, Small Signal	TMPT2222A	SOT-23	76-00-222	4
Q703	SM, Bi-Polar, NPN, Small Signal	TMPT2222A	SOT-23	76-00-222	
Q704	SM, Bi-Polar, NPN, Small Signal	TMPT2222A	SOT-23	76-00-222	
Q705	SM, Bi-Polar, NPN, Small Signal	TMPT2222A	SOT-23	76-00-222	
<u>RESISTORS</u>					
R701	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	14
R702	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R703	NOT ISSUED			N/A	
R704	SM, Carbon Film, 1/8 W, 5%	270 Ohm	1206	70-50-272	3
R705	SM, Carbon Film, 1/8 W, 5%	270 Ohm	1206	70-50-272	
R706	SM, Carbon Film, 1/8 W, 5%	1 kOhm	1206	70-50-103	5
R707	SM, Carbon Film, 1/8 W, 5%	330 Ohm	1206	70-50-332	2
R708	SM, Carbon Film, 1/8 W, 5%	330 Ohm	1206	70-50-332	
R709	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	42
R710	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R711	SM, Carbon Film, 1/8 W, 5%	1 kOhm	1206	70-50-103	
R712	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R713	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R714	SM, Carbon Film, 1/8 W, 5%	4.7 MOhm	1206	70-50-476	1
R715	Trim Pot, Vert, Top Adj., 10 Turn	50 kOhm	3296W	60-47-504	2
R716	SM, Carbon Film, 1/8 W, 5%	20 kOhm	1206	70-50-204	2
R717	SM, Carbon Film, 1/8 W, 5%	1.5 kOhm	1206	70-50-153	4
R718	NOT ISSUED			N/A	
R719	NOT ISSUED			N/A	
R720	NOT ISSUED			N/A	
R721	NOT ISSUED			N/A	
R722	NOT ISSUED			N/A	
R723	NOT ISSUED			N/A	
R724	NOT ISSUED			N/A	
R725	NOT ISSUED			N/A	
R726	NOT ISSUED			N/A	
R727	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R728	SM, Carbon Film, 1/8 W, 5%	220 Ohm	1206	70-50-222	1
R729	SM, Carbon Film, 1/8 W, 5%	3.3 kOhm	1206	70-50-333	3
R730	SM, Carbon Film, 1/8 W, 5%	15 kOhm	1206	70-50-154	3
R731	SM, Carbon Film, 1/8 W, 5%	15 kOhm	1206	70-50-154	
R732	SM, Carbon Film, 1/8 W, 5%	470 kOhm	1206	70-50-475	3

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
R733	SM, Metal Film, 1/8 W, 1%	16.2 kOhm	1206	70-54-1624	1
R734	NOT ISSUED			N/A	
R735	NOT ISSUED			N/A	
R736	SM, Carbon Film, 1/8 W, 5%	22 kOhm	1206	70-50-224	5
R737	SM, Carbon Film, 1/8 W, 5%	5.6 kOhm	1206	70-50-563	4
R738	SM, Carbon Film, 1/8 W, 5%	100 Ohm	1206	70-50-102	4
R739	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R740	SM, Carbon Film, 1/8 W, 5%	1 kOhm	1206	70-50-103	
R741	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R742	SM, Carbon Film, 1/8 W, 5%	20 kOhm	1206	70-50-204	
R743	SM, Carbon Film, 1/8 W, 5%	39 kOhm	1206	70-50-394	1
R744	NOT ISSUED			N/A	
R745	SM, Carbon Film, 1/8 W, 5%	1 kOhm	1206	70-50-103	
R746	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R747	Trim Pot, Vert, Top Adj., 10 Turn	1 kOhm	3296W	60-47-103	1
R748	SM, Carbon Film, 1/8 W, 5%	22 kOhm	1206	70-50-224	
R749	SM, Carbon Film, 1/8 W, 5%	22 kOhm	1206	70-50-224	
R750	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R751	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	10
R752	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R753	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R754	Trim Pot, Vert, Side Adj, Single Turn	500 kOhm	3386W	60-40-505	1
R755	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R756	NOT INSTALLED			N/A	
R757	SM, Carbon Film, 1/8 W, 5%	47 kOhm	1206	70-50-474	5
R758	SM, Carbon Film, 1/8 W, 5%	15 Ohm	1206	70-50-151	1
R759	Flame Proof, 1 W, 5%	22 Ohm	RC32	70-62-221	1
R760	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R761	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R762	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R763	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R764	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R765	SM, Carbon Film, 1/8 W, 5%	10 Ohm	1206	70-50-101	1
R766	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R767	SM, Carbon Film, 1/8 W, 5%	22 kOhm	1206	70-50-224	
R768	SM, Carbon Film, 1/8 W, 5%	22 kOhm	1206	70-50-224	
R769	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R770	SM, Carbon Film, 1/8 W, 5%	47 kOhm	1206	70-50-474	
R771	Flame Proof, 2 W, 5%	0.27 Ohm	RC42	70-63-027	1
R772	SM, Carbon Film, 1/8 W, 5%	3.3 kOhm	1206	70-50-333	
R773	SM, Carbon Film, 1/8 W, 5%	390 Ohm	1206	70-50-392	1
R774	SM, Carbon Film, 1/8 W, 5%	33 kOhm	1206	70-50-334	3
R775	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R776	SM, Carbon Film, 1/8 W, 5%	3.3 kOhm	1206	70-50-333	
R777	Carbon Film, 1/2 W, 5%	2.2 kOhm	RC20	70-02-223	1
R778	SM, Carbon Film, 1/8 W, 5%	5.6 kOhm	1206	70-50-563	
R779	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	6
R780	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R781	SM, Carbon Film, 1/8 W, 5%	100 Ohm	1206	70-50-102	
R782	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R783	Flame Proof, 1 W, 5%	4.7 Ohm	RC20	70-62-470	1
R784	Carbon Film, 1/2 W, 5%	1.0 Ohm	RC20	70-02-100	2

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
R785	Carbon Film, 1/4 W, 5%	1.0 Ohm	RC05	70-01-100	1
R786	Carbon Film, 1/2 W, 5%	1.0 Ohm	RC20	70-02-100	
R787	SM, Carbon Film, 1/8 W, 5%	1.5 kOhm	1206	70-50-153	
R788	SM, Carbon Film, 1/8 W, 5%	5.6 kOhm	1206	70-50-563	
R789	SM, Carbon Film, 1/8 W, 5%	100 Ohm	1206	70-50-102	
R790	SM, Carbon Film, 1/8 W, 5%	1 kOhm	1206	70-50-103	
R791	Trim Pot, Vert, Top Adj., 10 Turn	100 kOhm	3296W	60-47-105	1
R792	SM, Carbon Film, 1/8 W, 5%	1 MOhm	1206	70-50-106	
R793	SM, Carbon Film, 1/8 W, 5%	820 kOhm	1206	70-50-825	2
R794	SM, Carbon Film, 1/8 W, 5%	330 kOhm	1206	70-50-335	1
R795	SM, Carbon Film, 1/8 W, 5%	8.2 kOhm	1206	70-50-823	3
R796	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R797	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R798	Trim Pot, Vert, Top Adj., 10 Turn	10 kOhm	3296W	60-47-104	3
R799	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R800	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R801	Carbon Film, 1/2 W, 5%	1 kOhm	RC20	70-02-103	1
R802	SM, Carbon Film, 1/8 W, 5%	1.5 kOhm	1206	70-50-153	
R803	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R804	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R805	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	
R806	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	
R807	SM, Carbon Film, 1/8 W, 5%	120 Ohm	1206	70-50-122	2
R808	SM, Carbon Film, 1/8 W, 5%	120 Ohm	1206	70-50-122	
R809	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R810	SM, Carbon Film, 1/8 W, 5%	47 kOhm	1206	70-50-474	
R811	SM, Carbon Film, 1/8 W, 5%	470 kOhm	1206	70-50-475	
R812	Trim Pot, Vert, Top Adj., 10 Turn	50 kOhm	3296W	60-47-504	
R813	SM, Carbon Film, 1/8 W, 5%	1.5 kOhm	1206	70-50-153	
R814	Trim Pot, Vert, Top Adj., 10 Turn	500 Ohm	3296W	60-47-502	1
R815	SM, Carbon Film, 1/8 W, 5%	47 kOhm	1206	70-50-474	
R816	SM, Carbon Film, 1/8 W, 5%	47 kOhm	1206	70-50-474	
R817	Carbon Film, 1/4 W, 5%	4.7 Ohm	RC05	70-01-470	1
R818	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R819	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R820	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R821	SM, Carbon Film, 1/8 W, 5%	1 MOhm	1206	70-50-106	3
R822	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R823	NOT ISSUED			N/A	
R824	NOT ISSUED			N/A	
R825	NOT ISSUED			N/A	
R826	NOT ISSUED			N/A	
R827	NOT ISSUED			N/A	
R828	NOT ISSUED			N/A	
R829	NOT ISSUED			N/A	
R830	SM, Metal Film, 1/8 W, 1%	301k Ohm	1206	70-54-3015	4
R831	SM, Metal Film, 1/8 W, 1%	301k Ohm	1206	70-54-3015	
R832	SM, Metal Film, 1/8 W, 1%	301k Ohm	1206	70-54-3015	
R833	SM, Metal Film, 1/8 W, 1%	301k Ohm	1206	70-54-3015	
R834	SM, Carbon Film, 1/8 W, 5%	820 kOhm	1206	70-50-825	
R835	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	
R836	SM, Carbon Film, 1/8 W, 5%	1.8 kOhm	1206	70-50-183	1

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
R837	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R838	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R839	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R840	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R841	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R842	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R843	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R844	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	
R845	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R846	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R847	SM, Carbon Film, 1/8 W, 5%	8.2 kOhm	1206	70-50-823	
R848	SM, Carbon Film, 1/8 W, 5%	1 MOhm	1206	70-50-106	
R849	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R850	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R851	NOT ISSUED			N/A	
R852	NOT ISSUED			N/A	
R853	NOT ISSUED			N/A	
R854	NOT ISSUED			N/A	
R855	NOT ISSUED			N/A	
R856	NOT ISSUED			N/A	
R857	SM, Metal Film, 1/8 W, 1%	10.0 kOhm	1206	70-54-104	3
R858	SM, Carbon Film, 1/8 W, 5%	5.6 kOhm	1206	70-50-563	
R859	SM, Metal Film, 1/8 W, 1%	10.0 kOhm	1206	70-54-104	
R860	SM, Metal Film, 1/8 W, 1%	10.0 kOhm	1206	70-54-104	
R861	SM, Carbon Film, 1/8 W, 5%	8.2 kOhm	1206	70-50-823	
R862	SM, Metal Film, 1/8 W, 1%	9.09 kOhm	1206	70-54-9093	1
R863	SM, Carbon Film, 1/8 W, 5%	100 Ohm	1206	70-50-102	
R864	SM, Carbon Film, 1/8 W, 5%	270 Ohm	1206	70-50-272	
R865	SM, Carbon Film, 1/8 W, 5%	270 kOhm	1206	70-50-275	1
R866	NOT ISSUED			N/A	
R867	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R868	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R869	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R870	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R871	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R872	Trim Pot, Vert, Top Adj., 10 Turn	10 kOhm	3296W	60-47-104	
R873	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R874	SM, Carbon Film, 1/8 W, 5%	4.7 kOhm	1206	70-50-473	
R875	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R876	NOT INSTALLED			N/A	
R877	SM, Carbon Film, 1/8 W, 5%	470 Ohm	1206	70-50-472	1
R878	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R879	SM, Carbon Film, 1/8 W, 5%	2.2 kOhm	1206	70-50-223	
R880	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R881	NOT ISSUED			N/A	
R882	SM, Carbon Film, 1/8 W, 5%	150 kOhm	1206	70-50-155	4
R883	SM, Carbon Film, 1/8 W, 5%	150 kOhm	1206	70-50-155	
R884	Trim Pot, Vert, Top Adj., 10 Turn	10 kOhm	3296W	60-47-104	
R885	SM, Carbon Film, 1/8 W, 5%	150 kOhm	1206	70-50-155	
R886	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R887	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R888	SM, Carbon Film, 1/8 W, 5%	150 kOhm	1206	70-50-155	

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
R889	NOT INSTALLED			N/A	
R890	NOT INSTALLED			N/A	
R891	NOT INSTALLED			N/A	
R892	NOT INSTALLED			N/A	
R893	SM, Carbon Film, 1/8 W, 5%	0.00 Ohm	1206	70-50-000	3
R894	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R895	SM, Carbon Film, 1/8 W, 5%	33 kOhm	1206	70-50-334	
R896	SM, Carbon Film, 1/8 W, 5%	15 kOhm	1206	70-50-154	
R897	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R898	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R899	SM, Carbon Film, 1/8 W, 5%	100 kOhm	1206	70-50-105	
R900	SM, Carbon Film, 1/8 W, 5%	470 kOhm	1206	70-50-475	
R901	SM, Carbon Film, 1/8 W, 5%	0.00 Ohm	1206	70-50-000	
R902	SM, Carbon Film, 1/8 W, 5%	12 kOhm	1206	70-50-124	1
R903	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R904	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R905	SM, Carbon Film, 1/8 W, 5%	18 kOhm	1206	70-50-184	1
R906	SM, Carbon Film, 1/8 W, 5%	10 kOhm	1206	70-50-104	
R907	SM, Carbon Film, 1/8 W, 5%	33 kOhm	1206	70-50-334	
R908	SM, Carbon Film, 1/8 W, 5%	0.00 Ohm	1206	70-50-000	
RN701	Bussed Network, 0.75 W, 2%	10 kOhm x 5	SIP 6	71-16-104	1
RT701	NOT ISSUED			N/A	
<u>TRANSFORMERS</u>					
T701	Audio, PC Mount	MET-31		35-10-031	1
T702	Audio, PC Mount	0-1616T6		35-10-008	1
<u>INTEGRATED CIRCUITS</u>					
U701	Memory, EEPROM, 64 kBit	24C65I/P	DIP-8	33-34-065	1
U702	SM, Optocoupler, NPN	IL205	SO-8	34-01-205	3
U703	Voltage Supervisor	TL7757ILP	TO-92	33-81-757	1
U704	Microcontroller	MC68HC711L6CF	PLCC-68	33-16-711	1
U705	SM, 7-Gate HV Driver Array	ULN2003AD	SO-16	31-00-003	1
U706	SM, CMOS, NAND Gate	MM74HCT00M	SO-14	31-13-000	1
U707	SM, CMOS, 3 to 8 line Decoder	74HCT138D	SO-16	31-13-138	1
U708	SM, Op-Amp, Dual	SSM-2135S	SO-8	34-02-135	5
U709	Reference Oscillator	12.000 MHz		21-03-012	1
U710	NOT ISSUED			N/A	
U711	NOT ISSUED			N/A	
U712	SM, Op-Amp, Dual	LMC6482AIM	SO-8	34-02-482	4
U713	SM, Op-Amp, Dual	SSM-2135S	SO-8	34-02-135	
U714	Power Amplifier, Audio	TDA7052AN	DIP8	32-40-052	2
U715	SM, CMOS, Quad Switch	MC14066BD	SO-14	31-10-066	3
U716	SM, Op-Amp, Dual	SSM-2135S	SO-8	34-02-135	
U717	SM, DAC, 12 bit	DAC8512FS	SO-8	34-61-512	1
U718	SM, Op-Amp, Dual	LMC6482AIM	SO-8	34-02-482	
U719	SM, Op-Amp, Dual	SSM-2135S	SO-8	34-02-135	
U720	SM, SPDT Analog Switch	SA630D	SO-8	54-03-630	1
U721	SM, CMOS, Quad Switch	MC14066BD	SO-14	31-10-066	
U722	Power Amplifier, Audio	TDA7052AN	DIP8	32-40-052	
U723	SM, Digital Volume Control, 2 Channel	CS3310-KS	SOL-16	34-43-310	1
U724	Audio Bandpass Filter	THB111A	SIP-10	32-43-425	1

<u>IDENT</u>	<u>DESCRIPTION</u>	<u>MFR. P/N OR VALUE</u>	<u>PACKAGE</u>	<u>NAT P/N</u>	<u>QTY.</u>
U725	SM, Power Monitor	MAX700ESA	SO-8	34-55-700	1
U726	Power MOSFET / HexFET	IRF95xx	TO-220AB	32-45-543	2
U727	Power MOSFET / HexFET	IRF95xx	TO-220AB	32-45-543	
U728	DC/DC Converter	2PKV2405S		63-30-050	1
U729	SM, Regulator, Switching, + 5.0 V	LM2594M-5.0	SO-8	34-23-594	1
U730	Regulator, Continuous Fixed, +V	LM340T-15	TO-220	32-10-015	1
U731	NOT ISSUED			N/A	
U732	SM, CTCSS Encoder/Decoder	MX375LH	PLCC-24	34-43-375	1
U733	SM, CMOS, 8 Bit Shift Register	74HC595	SO-16	31-13-595	1
U734	CPU, DCS Encoder	51-6805	SOL-28	33-16-805	1
U735	SM, CMOS, Quad Switch	MC14066BD	SO-14	31-10-066	
U736	SM, Optocoupler, NPN	IL205	SO-8	34-01-205	
U737	SM, Op-Amp, Dual	SSM-2135S	SO-8	34-02-135	
U738	SM, Serial Line Driver	DS75176BTM	SO-8	31-60-485	2
U739	SM, Serial Line Driver	DS75176BTM	SO-8	31-60-485	
U740	SM, Op-Amp, Quad	LM324D	SO-14	34-04-324	1
U741	SM, Optocoupler, NPN	IL205	SO-8	34-01-205	
U742	SM, Op-Amp, Dual	LMC6482AIM	SO-8	34-02-482	
U743	SM, Op-Amp, Dual	LMC6482AIM	SO-8	34-02-482	

CRYSTALS

Y701	Surface Mount	8 MHz		21-10-008	1
Y702	Surface Mount	4 MHz		21-10-001	1
Y703	Parallel Resonant	3.5795 MHz	HC-49	21-01-357	1

MECHANICAL PARTS

M701	PCB, Main Controller	Rev 1.10		15-NX-307	1
M702	Insulator		HC-49	22-99-001	1
M703	Socket, PLCC		PLCC-68	80-55-068	1
M704	Socket, DIP, Tin Crimp Lead		DIP8	80-00-008	2
M705	Shorting Block		2 Pin	20-48-100	7

End of Parts List

Generated by Parts List Manager Ver: 2.6