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Uniden HR2600 Service Manual

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AMATEUR TRANSCEIVER MODEL: HR-2600

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SERVICE INFORMATION MANUAL

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AMATEUR TRANSCEIVER

MODEL : HR-2600

TABLE OF CONTENTS

1. SPECIFICATIONS1						
2. ALIGNMENT PROC	EDU	RES & POINTS	5			
3. SEMICONDUCTOR	LEA	D IDENTIFICATION	13			
4. PARTS PRICE LIST			19			
6. FREQUENCY CHAR	₹ <i>T</i>		48			
7. EXPLODED VIEW 8	& ME	CHANICAL PARTS LIST	49			
8. TECHNICAL DRAW	/ING	S	53			
BLOCK DIAGRAM	1					
SCHEMATIC DIA	GRAI	М	(E12-3100)			
			(E12-3101)			
P.C. BOARD VIEV	N					
MAIN	PCB	TOP	(E22-8313)			
MICOM I	PCB	TOP	(E23-8314)			
	PCB	воттом	(E23-8315)			
MAIN	PCB	ВОТТОМ	(E24-8316)			
	PCB		(E24-8317)			
	PCB		(E24-8318)			
LCD	PCB	TOP	(E24-8319)			
		BOTTOM	(E24-8320)			
	PCB		(E24-8321)			
1	PCB		(E24-8322)			
1	PCB	TOP	(E24-8323) (E24-8324)			
PARTS AS WIRING DIAGRA		TOP	(E32-3078)			
VVINING DIAGNA	171		(E32-3079)			

Note: Circuit design and specifications are subject to change without notice.

1. SPECIFICATIONS

GENERAL

1. Channel and Frequency Range : A Band 28.0000 ~ 28.4999 MHz

B Band 28.5000 ~ 28.9999 MHz C Band 29.0000 ~ 29.4999 MHz

D Band 29.5000 ~ 29.6999 MHz

2. Crystal : 4

3. Microphóne : 500Ω , Dynamic Type with Channel up down

4. Speaker : 8Ω , 5 W Max

5. Antenna Connector : M Type

6. Jacks & Connectors : MIC 5P, DC Power 2P, 9 PIN ACC CONNECTOR

7. Controls : Mode Selector CW-LSB-USB-AM-FM, MIC Gain,

TX, DIM, SCAN, SPAN, Meter Select, RPT, Band, F-Lock, up/down, RIT, NB,

Frequency Knob, ON/OFF Power Switch & Volume,

Auto SQ & Squelch, RF Gain, RIT, SWR/CAL Tone Frequency

select SW(Internal SW)

8. Illumination : RPT. Indication LCD

Band. Indication LCD
Frequency Indication LCD
S/RF, MOD, SWR Indication LCD

9. LCD Meter : RF Power Indication, Signal Strength,

Modulation, CAL, SWR

10. Size : $186 \, \text{mm} \, (\text{W}) \times 263 \, \text{mm} \, (\text{D}) \times 62 \, \text{mm} \, (\text{H})$

11. Weight : 1.9 kg

12. Accessories : DC Power Cable with Fuse

Microphone & Mic Hanger Mounting Bracket with Screws

Short Plug

9 pin Accessory Plug

13. Display Box Size : 376 (W) × 230 (D) × 110 (H)

14. Display Box Weight : 2.75 kg (include Unit and ACC.)

15. Quantity / Shipping Carton : 6 pcs.

16. Size / Shipping Carton : 730 (W) × 416 (D) × 270 (H)

17. Weight / Shipping carton : 18 kg (Per 6 pcs.)

18. Case Mark : UCA Standard Style

MEASUREMENT CONDITIONS

1. Power Source : 13.8 V (DC)

2. Antenna Impedance : 50Ω 3. Test Temperature : 25° C

4. AM Modulation Frequency : 1 kHz

5. FM Modulation Frequency : 1 kHz

6. SSB Modulation Frequency, Two Tone : 500 Hz & 2400 Hz

7. Mean Signal Input Level : 1000 uV

8. Reference AM Modulation Percentage : 1 kHz, 30%

9. Reference FM Deviation : 1.5 kHz

10. Reference Audio Output Power : 0.5 W

11. Audio Frequency : 1 kHz

12. Audio Output Load : 8 Ω Resistive

13. Measuring frequency : 29.000MHz

TRANSMITTER SECTION

ITEM	15		UNIT	NOMINAL	LIMIT
1. Frequency Tolerar	nce at 25°C	AM	Hz	± 300	± 1500
(5 minutes after	Switch on)	SSB	Hz	± 300	± 1500
		FM	Hz	± 300	± 1500
		CW	Hz	± 300	± 1500
2. Carrier Power		AM	W	10.0	8.0 ~ 14.0
		FM	W	10.0	8.0 ~ 14.0
		CW	W	24.0	18.0 ~ 28.0
3. PEP Power, Two T	one, SSB		Wpep	21.0	18.0 ~ 26.0
4. Spurious Harmoni	c Emission	AM dB -50		-40	
		SSB	dB	-50	-40
		FM	dB -	-50	-40
		CW	dB	-50	-40
5. Carrier Suppression	on	SSB	dB	-55	-40
6. Unwanted Sideba	nd Suppression				
(at 2500 Hz 4 W)	pep 16 dB up Single tone)	SSB	dB	-45	-35
7. Battery Drain at N	lo Modulation	AM	mA	3000	4500
		SSB	mA	800	1500
		FM	mA	3000	4500
		CW	mA	5000	6500
8. Battery Drain	AM : MAX Modulation		mA	3000	4500
	SSB: MAX Wpep, Two To	one	mA	3000	4500
	FM: MAX Modulation		mA	3000	4500
	CW: TX Mode, No Key D	own	mA	800	1200

ITEM	IS			UNIT	NOMINAL	LIMIT
9. Modulation Frequ	ency Respor	nse (1 kHz. 0 dE	Reference)			
Lower at 450 Hz	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AM	dB	-4	-10
			SSB	dB	-4	-12
			FM	dB	-4	-10
Unner et 2 Ekul			***	40		
Upper at 2.5 kHz			SSB	dB dB	-4	-10
			FM	dB dB	-4 -4	-10 -10
				UB	4	
10. Microphone Sens	-	AM : For 50% N		mV	1.5	2.5
		SB : For 10 Wp		mV	1.5	2.5
	F	M : For 1 kHz [Deviation	mV	1.5	3.0
11. AMC Range	AM : 50 ~	100% Modula	tion	dB	40	30
_	SSB: 16~	26 Wpep		dB	50	40
12. MIC Gain (ATTEN	NUATE)			dB	-10	-6
13. Tone deviation (2	29.52MHz)		FM(RPT)	KHz	0.6	0.5 to 0.8
RECEIVER SECTION (NB Switch O	OFF)				
		-		.,	0.5	
1. Max. Sensitivity			AM	μV	0.5	2.0
			CW/SSB	μV	0.25	1.0
2. Sensitivity for 10 d	IB S/N		AM	μV	0.5	2.0
			CW/SSB	μV	0.25	1.0
FM: 20 dB S/N			FM	μV	0.5	3.0
3. AGC Figure of Me	rit, 50 mV fo	or 10 dB Change	in Audio Ou	tput		
		_	AM	dB	80	70
			CW/SSB	dB	80	70
4. Overall Audio Fide	ality at 6 dB	down				
Upper Frequency		down	AM	Hz	2000	1500 ~ 4000
opper rrequerie,	,		SSB	Hz	3000	2000 ~ 4500
			FM	Hz	1500	1000 ~ 3000
Lower Frequence	v		AM	Hz	300	200 ~ 600
LOWE! Trequency	,		SSB	Hz	300	200 ~ 600
			FM	Hz	300	200 ~ 500
5. Adjacent Channel	Selectivity					
(10 kHz, 1 GEN)			AM	dB	70	60
6. Maximum Audio	Output Pow	er	AM	W	4.0	2.5
			CW/SSB	W	4.0	2.5
			FM	W	4.0	2.5
7. Audio Output Pov	wer at 10 %	THD	AM	W	2.5	2.0
•			CW/SSB	W	2.5	2.0
			FM	W	2.5	2.0

ITEMS		UNIT	NOMINAL	LIMIT
8. RF Gain	AM CW/SSB FM	dB dB	55 55 55	30 ~ 70 30 ~ 70 30 ~ 70
9. S/N Ratio at 1 mV Input	AM	dB	30	25
	FM	dB	35	25
10. Squelch Sensitivity at Threshold	AM	μV	0.5	2.0
	CW/SSB	μV	0.5	2.0
	FM	μV	0.5	2.0
11. Squelch Sensitivity at Tight	AM	μV	1000	250 ~ 4000
	CW/SSB	μV	1000	250 ~ 4000
	FM	μV	1000	250 ~ 4000
12. S Meter Sensitivity at "S-9" (No Modulation)	AM CW/SSB FM	μV μV μV	100 100 100	25 ~ 400 25 ~ 400 25 ~ 400
13. Image Rejection Ratio	AM	dB	65	50
	CW/SSB	dB	65	50
	FM	dB	65	50
14. i-f Rejection Ratio	AM	dB	65	50
	CW/SSB	dB	65	50
	FM	dB	65	50
15. Oscillator Dropout Voltage	AM CW/SSB FM	V V	9 9 9	11 11 11
16. Battery Drain at No Signal	AM CW/SSB FM	mA mA mA	500 500 500	800 800
17. Battery Drain at Max. Audio Output	AM	mA	1000	1500
	CW/SSB	mA	1000	1500
	FM	mA	1000	1500
18. Clarifier Range	AM	kHz	± 3.0	± 2.2~ ± 4.0
	CW/SSB	kHz	± 3.0	± 2.2~ ± 4.0
	FM	kHz	± 3.0	± 2.2~ ± 4.0
19. NB + ANL Performance	AM SSB	dB dB	2 2	3.5 3.5
20. NB + ANL Loss	CW AM	dB dB	2	3.5 5

NOTE:

(1) Shall have reverse polarity protection and operable with negative ground only.

(2) Operating Power Voltage : 13.8 V + 15 - 20% DC

(3) Standard Operating Temperature : $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ (4) Storage Temperature : $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

2. ALIGNMENT PROCEDURES & POINTS

ALIGNMENT OF P. L. L. AND CARRIER OSCILLATOR PORTION

1. Test Equipment Required

DC Power Supply (13.8V)

Oscilloscope

DC Voltmeter

Frequency Counter

Dummy Load (50 ohm)

2. Preparation for alignment

RIT SW

: OFF

MODE SW

: AM

RIT

: Middle Position

ΤX

: OFF

Remove the PCB (B 751, PB-100) from the Main PCB.

3. Alignment Procedure

Step	Preset to	Adjustment	Remarks
1	Mode: RX,AM SG : 28MHz	L315	Connect an oscilloscope to TP306. Adjust L315 for 6.200MHzreading on the oscilloscope.
2	Ditto	L318	Connect the oscilloscope to TP304. Adjust L318 for 38.695MHz ± 20 Hz reading on the oscilloscope.
3	Mode: RX,AM SG:29.6999мнz	L317	Connect a DC voltmeter to TP303. Adjust L317 for 5.5 ± 0.1V reading on the DC Voltmeter.
4	Mode: RX,CW SG : 28MHz	L8	Connect the oscilloscope to TP2. Adjust L8 for 10.6950MHz ± 20 Hz reading on the oscilloscope.
5	Mode: RX,LSB	L9	Adjust L9 for 10.6925 MHz reading on the oscilloscope.
6	Mode:RX,USB	L10	Adjust L10 for 10.6975 MHz ± 20 Hz reading on the oscilloscope.
7	Mode:RX,LSB	VR11	Connect the oscilloscope to TP1. Adjust VR11 for 38.6925MHz ± 20Hz reading on the oscilloscope.

After the alignment, lock with wax the area of L 302, L 315, L 317 and L 318.

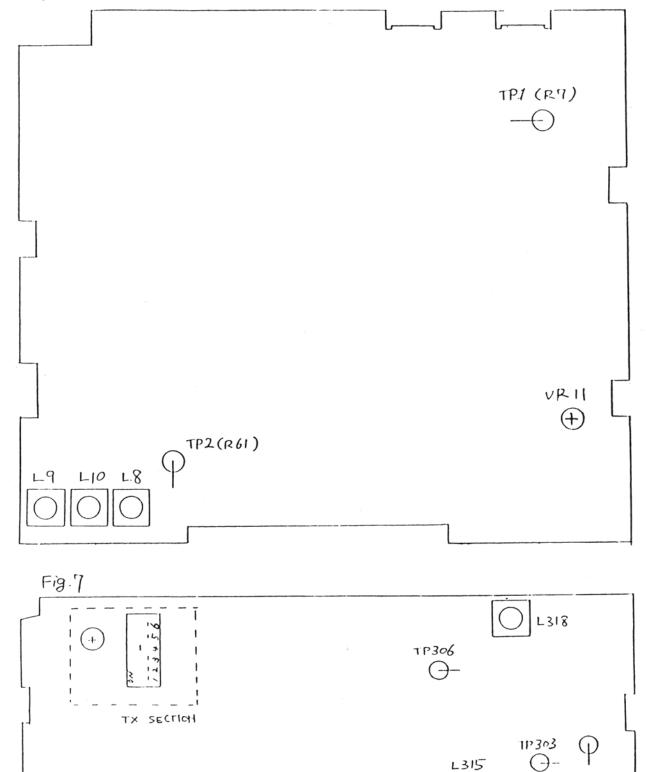
TRANSCEIVER

(13.8V)

TEST EQUIPMENT CONNECTION

S.S.G. ANT. Oscilloscope Frequency Counter DC Power Supply (42.0)() DC Voltmeter

Alignment for PLL and Carrier Oscillator Portion



TP304

AIGNMENT OF TRANSMITTER PORTION

1. Test Equipment Required

DC Power Supply (13.8V) more than 10A AFS.S.G. AM FM (1kHz, 500Hz and 2400Hz)

RF VTVM

Oscilloscope

DC AM METER

RF Power Meter

AF VTVM

Dummy Load (50 ohm)

FM Linear Detector

2. Preparation for Alignment

VR13

Clockwise

RIT SW

: OFF

VR14

Clockwise

METER SW :

RF

VR4

: Clockwise

Mic Gain SW:

OFF

SWR/CAL : Middle Position

TX SW

: OFF

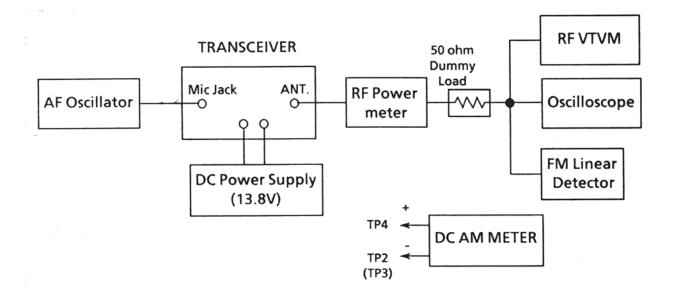
FREQ. : 29.000 MHz

3. Alignment Procedure

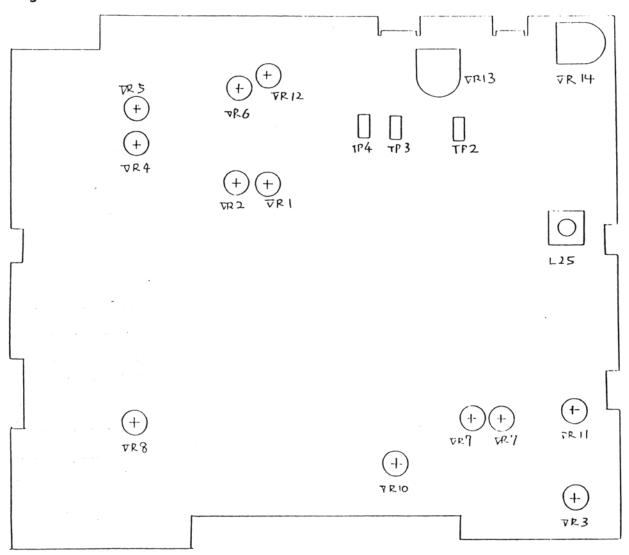
Step	Preset to	Adjustment	Remarks
1	Mode : USB No.mod.	VR13	Remove the B751(PB-100) from Main PCB. Connect a DC AM Meter(+) to TP4, (-) to TP3. Adjust VR13 for 50 mA reading on the DC AM Meter.
2	Ditto	VR14	Connect the DC AM Meter(+) to TP4, (-) to TP2. Adjust VR14 for 50 mA reading on the DC AM Meter.
3	1mV mod.	L 25	Disconnect the DC AM Meter. Reinstall the B751 to the Main PCB. Connect a RF Power meter to the ANT.jack. Connect a RF VTVM, an oscilloscope and an FM Linear Detector across an RF Dummy load to the RF Power meter. Adjust L 25 for maximum reading on the RF VTVM. During this step, set the AF oscillator so that the output is less than 20V.
4	30mV mod.	VR 5	Adjust VR 5 for 32.5V reading on the RF VTVM.
5	USB / LSB No mod.	VR 7	Adjust VR 7 so that the carrier leakage at USB and LSB become minimum and almost equal.
6	Mode : CW Non Mod.	VR 4	Connect a SW to between Pin 8 and 9 of ACC connector. When turn on the SW, adjust VR 4 for 34.5 V reading on the RF VTVM.
7	Mode : AM Non Mod.	VR8	Adjust VR 8 for 10W reading on the RF power meter.
8	Ditto	VR 12	Adjust VR 12 so that "9" LCD just lights on.
9	AM 1kHz, 30mV Mod.	VR 6	Adjust VR 6 to obtain the 80% negative reading on the oscilloscope.

Step	Preset to	Adjustment	Remarks
10	AM 1kHz, 1mV Mod. METER : MOD	VR 9	Adjust VR 9 so that "9" LCD just lights on.
11	FM 1kHz, 30mV Mod.	VR 3	Adjust VR 3 for ±4kHz deviation reading on the FM Linear Detector.
12	FM No Mod. RPT SW : ON	VR 303	Adjust VR 303 for ± 0.6 kHz deviation reading on the FM Linear Detector.
13	Mode:CW No Mod. Vol. : Max.	VR 10	Connect an AF VTVM across a dummy load (8ohm) to between Pin 1 and Pin 2 of ACC connector. When turn on the SW, adjust VR 10 for 4 V reading on the AF VTVM.

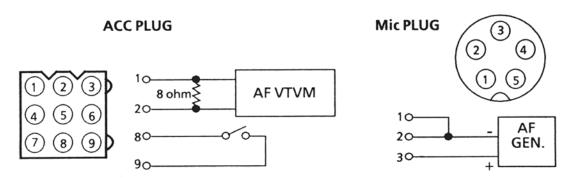
TEST EQUIPMENT CONNECTION



Alignment for Transmitter Portion



CONNECTION FOR Tx ALIGNMENT



ALIGNMENT OF RECEIVER PORTION

1. Test Equipment Required

AF VTVM

DC Power Supply (13.8V)

Oscilloscope

Dummy Load (8 ohm)

S.S.G.(29.000MHz, 1kHz, 30% Mod. 1 kHz 1.5 kHZ Dev. and 50-ohm Impedance)

2. Alignment Procedure

NB SW

: OFF

Mode

: AM

RIT SW

: OFF

Squelch

: Min. (Auto SQ OFF)

RPT SW

: OFF : MAX RF Gain TX

: MAX : OFF

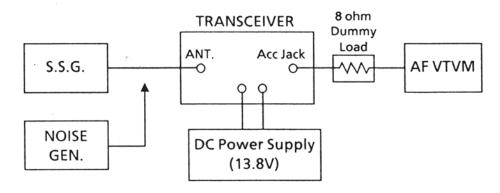
VOLUME RIT

: Middle position

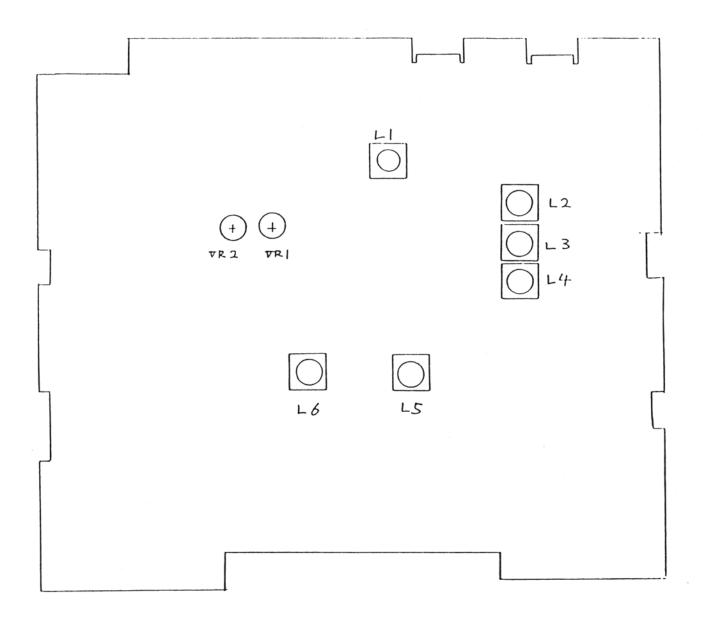
3. Alignment Procedure

Step	Preset to	Adjustment	Remarks
1	RX 29MHz 1 kHz,30% mod.	L 1~6	Alignment of sensitivity Adjust coils for maximum reading on the AF VTVM.(During this step, set the S.S.G.attenuator so that the standard output is less than 0.5W (2V / 8ohm).
2	Ditto	VR 2	Alignment of Squelch Set the output of S.S.G. to 66 dB dB and squelch to maximum. Adjust VR 2 so that the squelch just breaks.
3	No Mod. METER : RF	VR 1	Alignment of S- Meter Set the output of S.S.G. to 46 dB, no modulation. Adjust VR 1 so that "9" LCD just lights on.

TEST EQUIPMENT CONNECTION



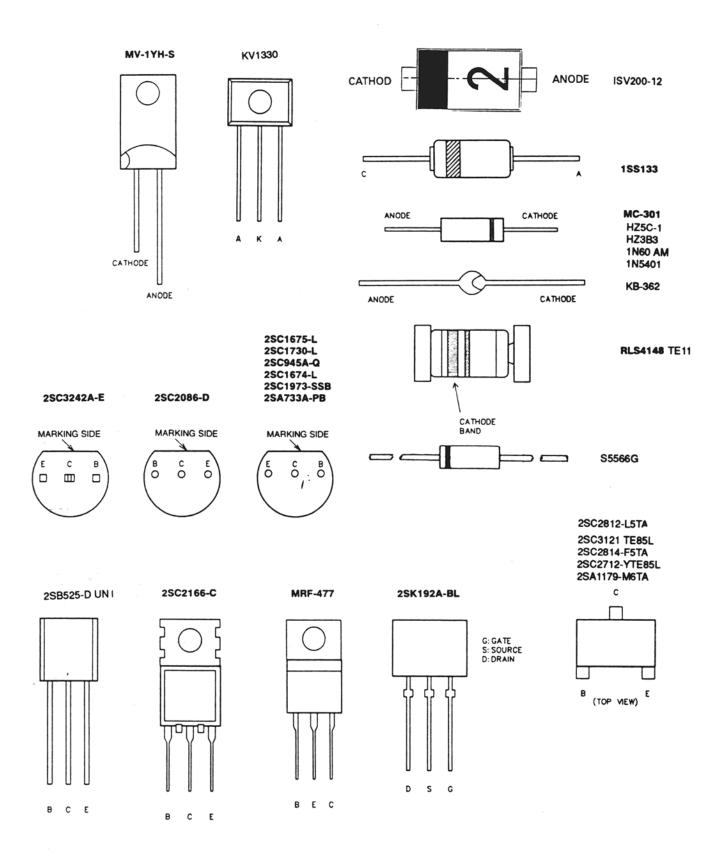
Alignment for Receiver Portion



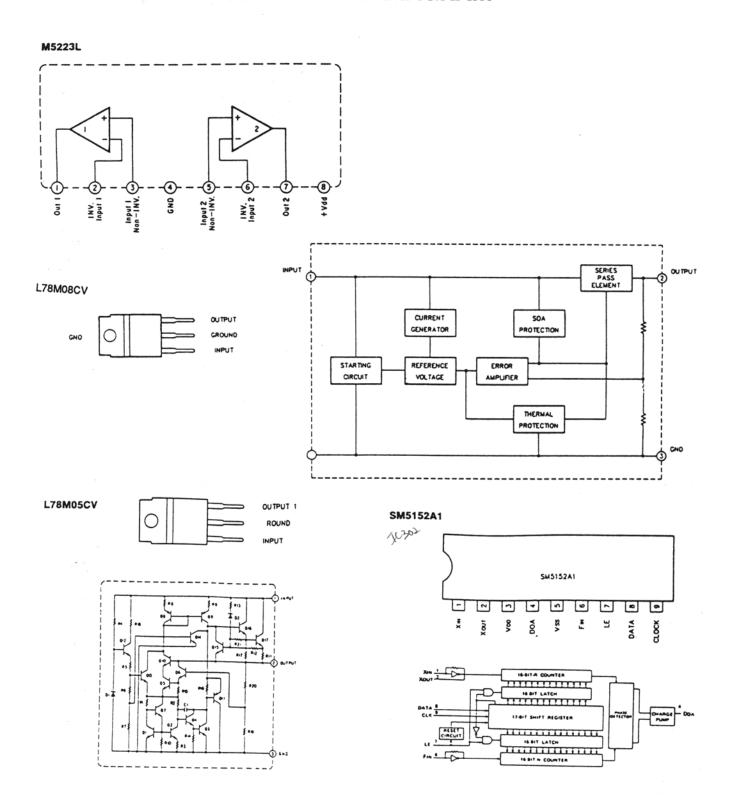
CONNECTION FOR Rx ALIGNMENT

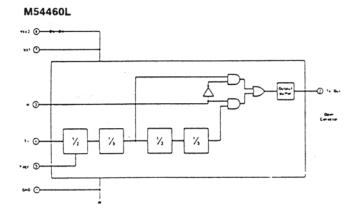
ACC PLUG 1 2 3 4 5 6 7 8 9

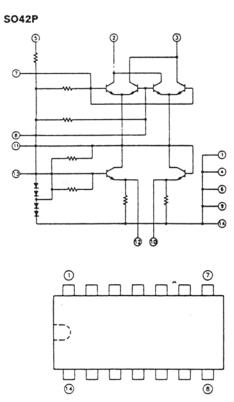
3. SEMICONDUCTOR LEAD IDENTIFICATION

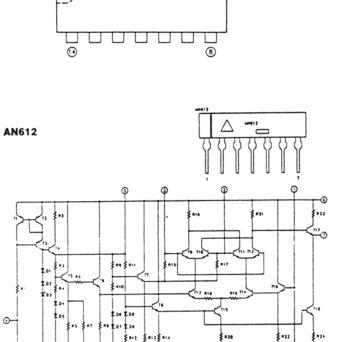


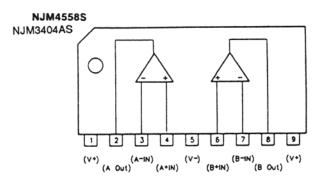
IC INTERNAL DIAGRAM

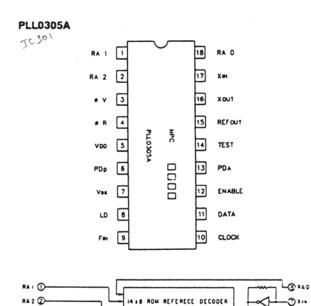












1111111111111

LATCH

14 - BIT SHIFT REGISTER

⊗ TEST

-@ E NABLE

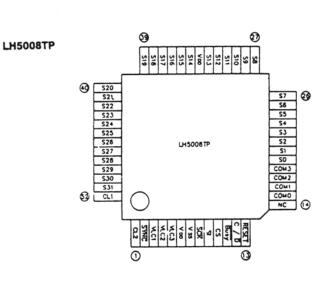
-O DATA

-® crock

14 - BIT RCOUNTER

14 - BIT NCOUNTER

111111111



• v ①

R ①

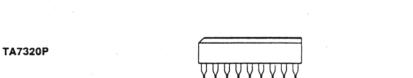
V00 ③-

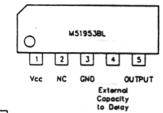
10 r (G)

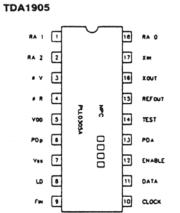
V33 D

LD ®

Fin 9-

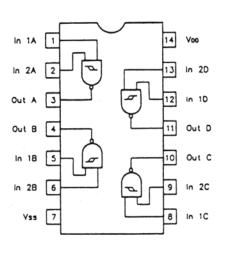


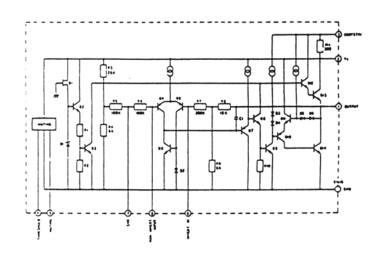




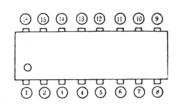
M51953BL

HD14093BP

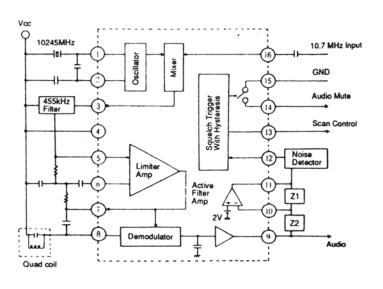




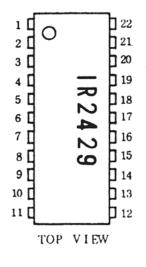
IR3N06

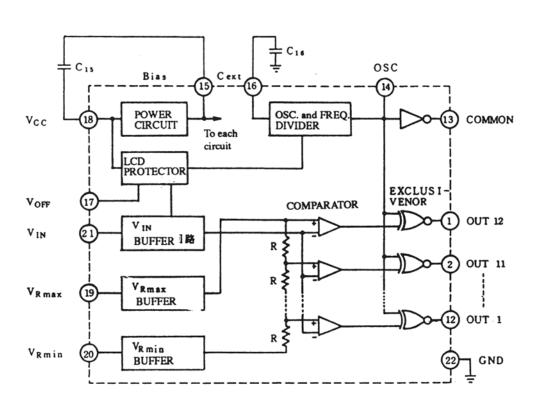


Pin No.	functions	Pin No.	Functions
1		9	Demodulator Output
2	Crystal OSC.	10	Filter Input
3	Mixer Output	11	Filter Output
4	Vcc	12	Squelch Input
5	Limitter Input	13	Scan Control
6	Decoupling	14	Audio Mixer
7	Limitter Output	15	GND
8	Quad Input	16	RF Input

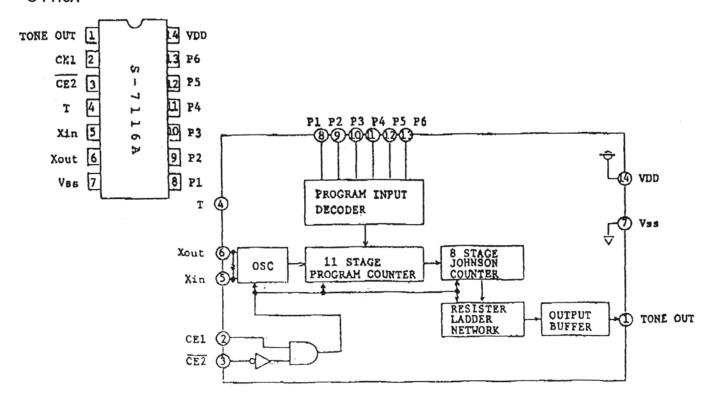


IR2429





S-7116A



UC-1251

LCD 1 (\$\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fr

Pin No.	Pin Name	νo	At Reset and Stop	In Out Type	Description
1	LCD SCK	0	н	P,U	LCD Driver SCK
2	LCD SI	0	н	P,U	LCD Driver \$1
3	rco <u>cs</u>	0	н	P,U	LCD Driver CS
4	เดงฐ	0	н	P,U	LCD Driver C/D
5	LCD Reset	0	н	P,U	LCD Driver Reset
6	RF	0	L	P,D	Indicator RF Selection output L:RF H:other
7	MOD	0	ι	P,D	Indicator MOD Selection output L: MOD H:other
8	CAL	0	ι	P,D	Indicator CAL Selection output L: CAL H:other
9	SWR	0	ι	P,D	Indicator SWR Selection output L: SWR H:other
10	ROW 1	1/0	ι	P,D	KEY MATRIX
11	ROW 2	ю	ι	P,D	KEY MATRIX
12	ROW 3	w	ι	P,D	KEY MATRIX
13					
14	COL 1	vo	ι	P,D	KEY MATRIX
15	COL 3	NO	ι	P,D	KEY MATRIX
16	COL 3	1/0	ι	P,D	KEY MATRIX
17					
18	RPT	1	н	P,U	Repeater SW input L: ON H: OFF
19					
20					
21					
22	F.KNOB 1	1			F.KNOB 1 INPUT
23	F.KNOB 2	ı			F.KNOB 2 INPUT
24	AM	ı	н	P,U	MODE SW AM INPUT L:AM H:Other
25	USB	w	н.	P,U	MODE SW USB INPOUT L:USB H:Other

Pin No.	Pin Name	νо	At Reset and Stop	In Out Type	Description
26	LSB	1	н	P,U	MODE SWILSB INPUT L:LSB H:Other
27	cw	1/0	н	P,U	MODE SW CW INPUT L:CW H:Other
28	DATA	0	н	P,U	PLL DATA (N1 N2 N3) OUTPUT
29	CLK	0	н	P,U	PLL CLK OUTPUT
30	STB 1	0	н	P,U	PLL LE OUTPUT
31	STB 2	0	н	P,U	PLL ENABLE OUTPUT
32					
33	BEEP	0	н	P,U	Output Square wave 2 kHz at SOmsec(Key Push)
34	CW SIFT	1	н	P.U	1700Hz Shift up at CW SIFT H:Enable
35					
36	LOCD	1	н	P,U	PLL LOCK Detected H:LOCK L:UNLOCK
37	VCXO 1	0	н	P,U	PLL VCXO (NO) OUTPUT
38	VCXO 2	0	н	P,U	PLL VCXO (NO) OUTPUT
39	VCXO 3	0	н	P,U	PLL VCXO (NO) OUTPUT
40	VCXO 4	0	н	P,U	PLL VCXO (NO) OUTPUT
41	VCXO 5	0	н	P,U	PLL VCXO (NO) OUTPUT
42	VCXO 6	0	н	P,U	PLL VCXO (NO) OUTPUT
43				-	
44					
45	H UP	-	н	P,U	MIC UP SW INPUT
46	M-Down	ı	н	P,U	MIC Down SW INPUT
47	PTT	1	н	P,U	PTT INPUT L:ON H:OFF
48	F.LOCK	1	н	P,U	F.LOCK SWINPUT L:ON H:OFF
49	1				
50	1				

Pin No.	Pin Name	νо	At Reset and Stop	In Out Type	Description
51					
52					
53					
54					
55	sQu	1	н		SQUELCHINPUT L:YES H:NO
56	STOP	-	н	P,U	L:INTO STOP MODE
57	CW KEY	1	н	P,U	CW KEY INPUT L:ON H:OFF
58					
59	TONE	0	н	P,U	Tone Output H:Selection L:unselection
60					
61	LCD BUSY	0	н	P,U	LCD DRIVER BUSY
62	TX	0			TX /RX OUTPUT H:TX L:RX
63	MUTE	0	L	P,D	MUTE OUTPUT H:MUTE L:UNMUTE
64					

4. PARTS PRICE LIST

Parts price is subject to change without notice.

UCA PARTS PRICE LIST

(MODEL)

HR-2600

(SYMBOL)	(PARTS CODE)	(DESCRIPT	(NOI)	(QTY)	(LIST	PRICE)
	SSCW133005N	SCREW:FLAT HD +	M3X5 NI	4	\$	0.01
	SSCW192012N	SCREW:BIND HD +	M2X12 NI	2	\$	0.01
	SSCW193006N	SCREW:BIND HD +	M3X6 NI	4	\$	0.01
	SSCW193008B	SCREW:BIND HD +	M3X8 BNI	4	\$	0.02
	SSCW193008N	SCREW:BIND HD +	M3X8 NI	1	\$	0.01
	SSCW293508N	SCREW: TAPPING ROUND HD +	D3. 5X8 NI	2	\$	0.03
	SSCW295010N	SCREW:TAPPING ROUND HD +	D5X10 NI	4	\$	0.05
	SSCW343006B	SCREW:TAPTIGHT BIND HD +	M3X6 BNI	8	\$	0.03
	SSCW343006N	SCREW:TAPTIGHT BIND HD +	M3X6 NI	4	\$	0.02
	SSCW430030N	HEX NUT	M3. 0 NI	1	\$	0.03
	SSCW480030Z	NUT:FLANGE	M3 ZMC	4	\$	0.07
	SSCW490050N	WASHER FLAT	D5 NI	4	\$	0. 03
	SSCW530035N	WASHER: LOCK	D3. 5 NI	2	\$	0.03
	SSCW540050N	WASHER: STAR	D5 NI	4	\$	0.05
	SSCW803008N	SCREW:P TIGHT BIND HD +	D3X8 NI	3	\$	0.02
	SSCW133005N	SCREW:FLAT HD +	M3X5 NI	4	\$	0.01
	SSCW193006N	SCREW:BIND HD +	M3X6 NI	2	\$	0.01
	SSCW803008N	SCREW:P TIGHT BIND HD +	D3X8 NI	1	\$	0.02
	SSCW193006N	SCREW:BIND HD +	M3X6 NI	4	\$	0.01
	SSCW803008N	SCREW:P TIGHT BIND HD +	D3X8 NI	2	\$	0.02
				1	\$	0.02
B001	BPBY0150AAZ	PC BOARD: MAIN	PB-150AA	1	\$	8. 03
B201	BPBY0117ABZ	PC BOARD: N. B	PB-117AB	1 .	\$	1. 31
B301	BPBY0148AAZ	PC BOARD:PLL	PB-148AA	1	\$	38. 80
B401	BPBY0119ACZ	PC BOARD: FM	PB-119AC	1	\$	1. 58
B501	BPBY0112AAZ	PC BOARD: L. C. D	PB-112AA	1	\$	8. 46
B551	BPBY0118AAZ	PC BOARD:SWR	PB-118AA	1	\$	1.73
B601	BPBY0153AAZ	PC BOARD:SWITCH	PB-153AA	1	\$	1. 15
B651	BPBY0126ABZ	PC BOARD:MIC	PB-126AB	1,	\$	0. 21
B701	BPBY0114ABZ	PC BOARD:SQ	PB-114AB	1	\$	0. 24
B751	BPBY0100ABZ	PC BOARD: CHECK POINT	PB-100AB	1	\$	0.75
B801	BPBY0149AAZ	PC BOARD:RIT	PB-149AA	1	\$	0. 62
B901	BPBY0115AAZ	PC BOARD: CH SW	PB-115AA	1	\$	0. 19
B911	BPBY0116BAZ	PC BOARD: MODE SW	PB-116BA	1	\$	0.34
C001 C003	BCCR813304Z BCKD811026Z	CAPACITOR: CERAMIC	33PF 50V J RH	1	\$	0.08
C003	DCVD0110507	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0. 07
C004				1	\$	0.07

(SYMBOL)	(PARTS CODE)	(DESCRIPTION	N)	(QTY)	(LIST	PRICE)
C005	BCCG811205Z	CAPACITOR: CERAMIC	12PF 50V K SL	1	\$	0.07
C006	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0. 07
C007	BCAX312206Z	CAPACITOR: ELECTROLYTIC	22UF 16V M C-124	1	\$	0. 17
C008	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0. 07
C009	BCKG811030Z			1	\$	0. 07
C010.	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1.	\$	0. 50
C011	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0. 07
C012	BCCG814091Z	CAPACITOR: CERAMIC	4PF 50V C SL	1	\$	0.07
C013	BCCG813091Z	CAPACITOR: CERAMIC	3PF 50V C SL	1	\$	0. 07
C014				1	\$	0.07
C015	BCKG814720Z	CAPACITOR: CERAMIC	0.0047UF 50V Z YF(F)	1	\$	0. 07
C016	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C017				1	\$	0. 07
C018	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C019	BCGC511035Z	CAPACITOR: SEMI CONDUCTOR (SR)	0.01UF 25V K	1	\$	0. 13
C020	BCGC514735Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.047UF 25V K	1	\$	0. 21
C021				1	\$	0. 21
C022				1	\$	0. 21
C023				1	\$	0. 21
C024	BCCG811505Z	CAPACITOR: CERAMIC	15PF 50V K SL	1	\$	0.07
C025	BCCG815091Z	CAPACITOR: CERAMIC	5PF 50V C SL	1	\$	0.07
C026	BCCG811015Z	CAPACITOR: CERAMIC	100PF 50V K SL	1	\$	0.07
C027	BCAX811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-124	1	\$	0. 17
C028	BCCG812205Z	CAPACITOR: CERAMIC	22PF 50V K SL	1	\$	0.07
C029	BCCG813305Z	CAPACITOR: CERAMIC	33PF 50V K SL	1	\$	0. 07
C030	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C031	BCGC514725Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.0047UF 25V K	1	\$	0. 12
C032	BCGC513335Z	CAPACITOR:SEMI CONDUCTOR(SR)	0.033UF 25V K	1	\$	0. 13
C033	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0. 17
C034				1	\$	0. 17
C035	BCGC511235Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.012UF 25V K	1	\$	0. 13
C036	BCGC511035Z	CAPACITOR:SEMI CONDUCTOR(SR)	0.01UF 25V K	1	\$	0.13
C037	BCCG811805Z	CAPACITOR: CERAMIC	18PF 50V K SL	1	\$	0.07
C038	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C039	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0.17
C040				1	\$	0.17
C041				1	\$	0.17
C042				1	\$	0.17
C043	BCCU815091Z	CAPACITOR: CERAMIC	5PF 50V C UJ	1	\$	0.08
C044	BCCC811014Z	CAPACITOR: CERAMIC	100PF 50V J CH	1	\$	0.10
C045	BCCF811091Z	CAPACITOR: CERAMIC	1PF 50V C CK	1	\$	0.08
C046	BCGC514725Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.0047UF 25V K	1	\$	0.12
C047	BCGC511045Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.1UF 25V K	1	\$	0.34
C048	BCAX661006Z	CAPACITOR: ELECTROLYTIC	10UF 35V M C-124	1	\$	0. 17

(SYMBOL)	(PARTS CODE)	(DESCRIPTION	N)	(QTY)	(LIST	PRICE)
C049	BCKG814720Z	CAPACITOR: CERAMIC	0.0047UF 50V Z YF(F)	1	\$	0.07
C050	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C051				1	\$	0.07
C052	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0.17
C053	BCCR811014Z	CAPACITOR: CERAMIC	100PF 50V J RH	1	\$	0.10
C054	BCCG813915Z	CAPACITOR: CERAMIC	390PF 50V K SL	1	\$	0.09
C055	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C056	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.50
C057	BCGC511045Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.1UF 25V K	1	\$	0.34
C058	BCGC514725Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.0047UF 25V K	1	\$	0.12
C059	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.50
C060	BCAX114716Z	CAPACITOR: ELECTROLYTIC	470UF 10V M C-124	1	\$	0.34
C061	BCCG814715Z	CAPACITOR: CERAMIC	470PF 50V K SL	. 1	\$	0.13
C062	BCAX814786Z	CAPACITOR: ELECTROLYTIC	0.47UF 50V M C-124	1	\$	0.17
C063	BCEW812286Z	CAPACITOR: ELECTROLITIC	0.22UF 50V M C-105	1	\$	0.50
C064	BCAX111016Z	CAPACITOR: ELECTROLYTIC	100UF 10V M C-124	1,	\$	0. 21
C065	BCEW812296Z	CAPACITOR: ELECTROLITIC	2.2UF 50V M C-105	1	\$	0.50
C066	BCGC514735Z	CAPACITOR: SEMI-CONDUCTOR (SR)	0.047UF 25V K	1	\$	0. 21
C067	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C068	BCAX811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-124	1	\$	0.17
C069	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.50
C070				1	\$	0.50
C071				1	\$	0.50
C072	BCGC514735Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.047UF 25V K	. 1	\$	0. 21
C073	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	. 1	\$	0.50
C074	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C075	BCAX112216Z	CAPACITOR: ELECTROLYTIC	220UF 10V M C-124	1	\$	0. 26
C076	BCCF811091Z	CAPACITOR: CERAMIC	1PF 50V C CK	1	\$	0.08
C077				1	\$	0.08
C078	BCAX811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-124	1	\$	0.17
C079	BCCG814715Z	CAPACITOR: CERAMIC	470PF 50V K SL	. 1	\$	0.13
C081	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C082	BCCR811214Z	CAPACITOR: CERAMIC	120PF 50V J RH	1	\$	0.11
C083	BCCG813315Z	CAPACITOR: CERAMIC	330PF 50V K SL	1	\$	0.09
C084	BCCR812204Z	CAPACITOR: CERAMIC	22PF 50V J RH	1	\$	0.08
C085	BCCR815604Z	CAPACITOR: CERAMIC	56PF 50V J RH	. 1	\$	0.09
C086	BCCR811204Z	CAPACITOR: CERAMIC	12PF 50V J RH	1	\$	0.08
C087	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0. 17
C090	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0.17
C091	BCGC512235Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.022UF 25V K	1	\$	0. 15
C092	BCGC511835Z	CAPACITOR:SEMI CONDUCTOR(SR)	0.018UF 25V K	1	\$	0.15
C093				1	\$	0.15
C094	BCGC511035Z	CAPACITOR:SEMI CONDUCTOR(SR)	0.01UF 25V K	. 1	\$	0.13
C095	BCAX114716Z	CAPACITOR: ELECTROLYTIC	470UF 10V M C-124	1	\$	0.34

(SYMBOL)	(PARTS CODE)	(DESCRIPTION)		(QTY)	(LIST	PRICE)
C096	BCGC511045Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.1UF 25V K	1	\$	0.34
C097	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0.17
C098	BCAX812296Z	CAPACITOR: ELECTROLYTIC	2. 2UF 50V M C-124	· 1	\$	0.17
C099	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C100	BCCG814715Z	CAPACITOR: CERAMIC	470PF 50V K SL	1	\$	0.13
C102	BCGC511045Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.1UF 25V K	1	\$	0.34
C103	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C104	BCGC514725Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.0047UF 25V K	î	\$	0.12
C105	BCGC511035Z	CAPACITOR:SEMI CONDUCTOR(SR)	0.01UF 25V K	1	\$	0.13
C110	BCCG813305Z	CAPACITOR: CERAMIC	33PF 50V K SL	1	\$	0.07
C111	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C112	BCCR811014Z	CAPACITOR: CERAMIC	100PF 50V J RH	i	\$	0.10
C113	BCCR813304Z	CAPACITOR: CERAMIC	33PF 50V J RH	1	\$	0.08
C114	BCCR811814Z	CAPACITOR: CERAMIC	180PF 50V J RH	1	\$	0.14
C115				1	\$	0.14
C116	BCCR811514Z	CAPACITOR: CERAMIC	150PF 50V J RH	1	\$	0.14
C117	BCCG813915Z	CAPACITOR: CERAMIC	390PF 50V K SL	1	\$	0.09
C118	BCKG814720Z	CAPACITOR: CERAMIC	0.0047UF 50V Z YF(F)	1	\$	0.07
C119	BCEW814786Z	CAPACITOR: ELECTROLYTIC	0.47UF 50V M C-105	1	\$	0.50
C120	BCCG815615Z	CAPACITOR: CERAMIC	560PF 50V K SL	1	\$	0.13
C121	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C122	BCKD811036Z	CAPACITOR: CERAMIC	0.01UF 50V M YD(D)	1	\$	0.14
C123	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C124	BCCG815615Z	- CAPACITOR:CERAMIC	560PF 50V K SL	1	\$	0. 13
C125	,	A1		1.	\$	0.13
C126	BCCG818215Z	CAPACITOR: CERAMIC	820PF 50V K SL	1	\$	0.19
C127	BCCG813315Z	CAPACITOR: CERAMIC	330PF 50V K SL	1	\$	0.09
C128	BCEW812286Z	CAPACITOR: ELECTROLITIC	0.22UF 50V M C-105	1	\$	0.50
C129	BCKD811036Z	CAPACITOR: CERAMIC	0.01UF 50V M YD(D)	1	\$	0.14
C130	BCAX114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-124	1	\$	0.17
C131	BCKD811036Z	CAPACITOR: CERAMIC	0.01UF 50V M YD(D)	1	\$	0.14
C132	BCCR812214Z	CAPACITOR: CERAMIC	220PF 50V J RH	1	\$	0.19
C133	BCAX111016Z	CAPACITOR: ELECTROLYTIC	100UF 10V M C-124	1	\$	0.21
C134	BCKB815615Z	CAPACITOR: CERAMIC	560PF 50V K YB(B)	1	\$	0.07
C135	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C136	BCKD811026Z	CAPACITOR: CERAMIC	0.001UF 50V M YD(D)	1	\$	0.07
C138	BCKG814720Z	CAPACITOR: CERAMIC	0.0047UF 50V Z YF(F)	1	\$	0.07
C139	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C140	BCGC514735Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.047UF 25V K	1	\$	0. 21
C141	BCCG814715Z	CAPACITOR: CERAMIC	470PF 50V K SL	1	\$	0.13
C142	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C143	BCCU811014Z	CAPACITOR: CERAMIC	100PF 50V J UJ	1	\$	0.09
C144	BCCU813314Z	CAPACITOR: CERAMIC	330PF 50V J UJ	1	\$	0.14
C145	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0. 07

(SYMBOL)	(PARTS CODE)	(DESCRIPTION)		(QTY)	(LIST PRIC	
C146	BCGC511025Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.001UF 25V K	1	\$	0.12
C147	BCGC513335Z	CAPACITOR: SEMI-CONDUCTOR(SR)	0.033UF 25V K	1	\$	0.19
C148	BCEW812286Z	CAPACITOR: ELECTROLITIC	0.22UF 50V M C-105	1	\$	0.50
C149	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C150	BCKC514730Z	CAPACITOR: CERAMIC	0.047UF 25V Z ZF	1	\$	0. 15
C151	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C152	BCAX511026Z	CAPACITOR: ELECTROLYTIC	1000UF 25V M C-124	1	\$	1. 25
C154				1	\$	1. 25
C155	BCAX114716Z	CAPACITOR: ELECTROLYTIC	470UF 10V M C-124	1	\$	0.34
C201	BCVR314726Z	C:CERAMIC MELF	4700PF 16V M X C-140 TAPE	1	\$	0.13
C202	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C203	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C204	BCVL811004Z	C:CERAMIC MELF	10PF 50V J SL C-140 TAPE	1	\$	0.12
C205	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C206	BCVR314726Z	C:CERAMIC MELF	4700PF 16V M X C-140 TAPE	1	\$	0.13
C207	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C208	BCVP818205Z	C:CERAMIC MELF	82PF 50V K B C-140 TAPE	1	\$	0.12
C209	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C210	BCEW814786Z	CAPACITOR: ELECTROLYTIC	0.47UF 50V M C-105	1	\$	0.50
C212	BCVP813315Z	C:CERAMIC MELF	330PF 50V K B C-140 TAPE	1	\$	0.12
C213	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C214	BCEW311006Z	CAPACITOR: ELECTROLYTIC	10UF 16V M C-105	1	\$	0.50
C215	BCVP813315Z	C:CERAMIC MELF	330PF 50V K B C-140 TAPE	1	\$	0.12
C216	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C301	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C302	BCAX312206Z	CAPACITOR: ELECTROLYTIC	22UF 16V M C-124	1	\$	0.17
C303	BCSB114796Z	CAPACITOR: TANTALUM	4.7UF 10V M C-089	1	\$	0. 56
C304	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C305	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C306	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.50
C307				1	\$	0.50
C308	BCVP811815Z	C:CERAMIC MELF	180PF 50V K B C-140 TAPE	1	\$	0.12
C309	BCXE813935Z	C:CERAMIC M/L (3216) TAPE	0.039UF 50V K C(B)	1	\$	0.34
C310	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C311	BCGC513335Z	CAPACITOR:SEMI-CONDUCTOR(SR)	0.033UF 25V K	1	\$	0.19
C312	BCXD811015Z	C:CERAMIC M/L (3216) TAPE	100PF 50V K CG	1	\$	0.19
C313	BCVM811504Z	C:CERAMIC MELF	15PF 50V J CH C-140 TAPE	1	\$	0.13
C314	BCXD812215Z	C:CERAMIC M/L (3216) TAPE	220PF 50V K CG	1	\$	0.21
C315	BCVM812091Z	C:CERAMIC MELF	2PF 50V C CH C-140 TAPE	1	\$	0. 13
C316	BCXD816805Z	C:CERAMIC M/L (3216) TAPE		1	\$	0.19
C317	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE		\$	0.12
C318	BCVQ311036Z		0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C319		CAPACITOR:SEMI CONDUCTOR(SR)		1	\$	0.13
C320	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0. 17

(SYMBOL)	(PARTS CODE)	(DESCRIPTI	ON)	(QTY)	(LIST	PRICE)
C321	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C322	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0. 12
C323	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C324	BCVL815604Z	C:CERAMIC MELF	56PF 50V J SL C-140 TAPE	1	\$	0.12
C325	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C326	BCVL819092Z	C:CERAMIC MELF	9PF 50V D SL C-140 TAPE	1	\$	0.12
C327	BCVL812204Z	C:CERAMIC MELF	22PF 50V J SL C-140 TAPE	1	\$	0.12
C328	BCVL813904Z	C:CERAMIC MELF	39PF 50V J SL C-140 TAPE	1	\$	0.12
C329	BCVL816092Z	C:CERAMIC MELF	6PF 50V D SL C-140 TAPE	1	\$	0.12
C330	BCVP813915Z	C:CERAMIC MELF	390PF 50V K B C-140 TAPE	1	\$	0.12
C331	BCVL811804Z	C:CERAMIC MELF	18PF 50V J SL C-140 TAPE	1	\$	0.12
C332	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C333	BCVP811515Z	C:CERAMIC MELF	150PF 50V K B C-140 TAPE	1	\$	0.12
C334				1	\$	0.12
C335	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C336				1	\$	0. 12
C337	BCAX811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-124	1	\$	0.17
C338	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.00
C339	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C340	BCVL812204Z	C:CERAMIC MELF	22PF 50V J SL C-140 TAPE	1	\$	0. 12
C341	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$.	0.17
C342				1	\$	0. 17
C345	BCVL811504Z	C:CERAMIC MELF	15PF 50V J SL C-140 TAPE	1	\$	0.12
C346	BCVL818092Z	C:CERAMIC MELF	8PF 50V D SL C-140 TAPE.	1	\$	0.12
C347	BCVL811504Z	C:CERAMIC MELF	15PF 50V J SL C-140 TAPE	1	\$	0.12
C348	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C349	BCVP811015Z	C:CERAMIC MELF	100PF 50V K B C-140 TAPE	1	\$	0. 12
C350	BCAX814786Z	CAPACITOR: ELECTROLYTIC	0.47UF 50V M C-124	1	\$	0. 17
C351	BCVP811015Z	C:CERAMIC MELF	100PF 50V K B C-140 TAPE	1	\$	0.12
C352	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C353	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C354				1	\$	0. 12
C355		C:CERAMIC M/L (3216) TAPE		1	\$	0.34
C356	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0. 12
C357				1	\$	0. 12
C358	BCXD811515Z			1	\$	0. 19
C359	BCXD813915Z	C:CERAMIC M/L (3216) TAPE		1	\$	0. 24
C360		C:CERAMIC MELF	5PF 50V D CH C-140 TAPE	1	\$	0. 13
C361	BCVM811204Z		12PF 50V J CH C-140 TAPE		\$	0. 13
C362	BCXD811015Z	C:CERAMIC M/L (3216) TAPE		1 .	\$	0. 19
C363	BCVQ311036Z		0.01UF 16V M Y C-140 TAPE	1	\$	0. 12
C364	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE		\$	0. 12
C365	DOVED 1 47057	O. OPDINIO H/L /0010\ MIET	0 0 17HD 504 # 0/5	1	\$	0. 12
C366	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	U. U47UF 50V K C(B)	1	\$	0. 34

(SYMBOL)	(PARTS CODE)	(DESCRIPTIO	N)	(QTY)	(LIST	PRICE)
C367	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	;	0. 12
C368				1	;	0.12
C369	BCVL813904Z	C:CERAMIC MELF	39PF 50V J SL C-140 TAPE	1	;	0.12
C370	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0. 12
C371				1	\$	0.12
C372	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C373	BCVM815092Z	C:CERAMIC MELF	5PF 50V D CH C-140 TAPE	1	\$	0.13
C374	BCVM811004Z	C:CERAMIC MELF	10PF 50V J CH C-140 TAPE	1	\$	0.13
C375	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C376	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C377	BCVM815092Z	C:CERAMIC MELF	5PF 50V D CH C-140 TAPE	1	\$	0.13
C378	BCVP811025Z	C:CERAMIC MELF	0.001U 50V K B C-140 TAPE	1	\$	0.12
C379	BCVL813304Z	C:CERAMIC MELF	33PF 50V J SL C-140 TAPE	1	\$	0.12
C380	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C382	BCXE814725Z	C:CERAMIC M/L (3216) TAPE	0.0047UF 50V K C(B)	1	\$	0.19
C385	BCAX811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-124	1	\$	0.17
C386	BCEW811096Z	CAPACITOR: ELECTROLYTIC	1UF 50V M C-105	1	\$	0.50
C387	BCXE812235Z	C:CERAMIC M/L (3216) TAPE	0.022UF 50V K C(B)	1	\$	0.26
C388	BCAX812296Z	CAPACITOR: ELECTROLYTIC	2. 2UF 50V M C-124	1	\$	0.17
C391	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C392	BCEW811086Z	CAPACITOR: ELECTROLYTIC	0.1UF 50V M C-105	1	\$	0.50
£393	BCAX901026Z	CAPACITOR: ELECTROLYTIC	1000UF 6.3V M C-124	1	\$	0.52
C394	BCAX114716Z	CAPACITOR: ELECTROLYTIC	470UF 10V M C-124	1	\$	0.34
C395	BCVQ311036Z	C:CERAMIC MELF	0.01UF 16V M Y C-140 TAPE	1	\$	0.12
C396	BCXP814704Z	C:CERAMIC M/L (3216) TAPE	47PF 50V J UJ	1	\$	0.15
C397				1	\$	0. 15
C398	BCAX811086Z	CAPACITOR: ELECTROLYTIC	0.1UF 50V M C-124	1	\$	0.17
C399				1	\$	0.17
C401	BCXE812235Z	C:CERAMIC M/L (3216) TAPE	0.022UF 50V K C(B)	1	\$	0. 26
C405	BCEW114706Z	CAPACITOR: ELECTROLYTIC	47UF 10V M C-105	1	\$	0.50
C406	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C407				1	\$	0.34
C408	BCVN811804Z	C:CERAMIC MELF	18PF 50V J RH C-140 TAPE	1	\$	0.13
C409	BCXE812235Z	C:CERAMIC M/L (3216) TAPE	0.022UF 50V K C(B)	1	\$	0. 26
C411	BCXE814735Z	C:CERAMIC M/L (3216) TAPE		1	\$	0.34
C412	BCXE812235Z	C:CERAMIC M/L (3216) TAPE	0.022UF 50V K C(B)	1	\$	0.26
C444	BCVM811004Z	C:CERAMIC MELF	10PF 50V J CH C-140 TAPE	1	\$	0.13
C445				1	\$	0.13
C446	BCXE814735Z	C:CERAMIC M/L (3216) TAPE	0.047UF 50V K C(B)	1	\$	0.34
C501	BCAX814796Z	CAPACITOR: ELECTROLYTIC	4.7UF 50V M C-124	1	\$	0.17
C502	BCEW813396Z	CAPACITOR: ELECTROLITIC	3.3UF 50V M C-105	1	\$	0.50
C503	BCAX901016Z	CAPACITOR: ELECTROLYTIC		1	\$	2.06
C551	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07
C552	BCKG811030Z	CAPACITOR: CERAMIC	0.01UF 50V Z YF(F)	1	\$	0.07

(SYMBOL)	(PARTS CODE)	(DESCRIPTIO	N)		(QTY)	(LIST	PRICE)
C801	BCGC512235Z	CAPACITOR: SEMI-CONDUCTOR(SR)	0.022UF 25V	K	1	\$	0. 15
D001	BDAY0090001	DIODE	MC-301		1	\$	1.06
D002					1	\$	1.06
D003	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D004					1	\$	0.10
D005					1	\$	0.10
D006					1	\$	0.10
D007	BDAY0492003	DIODE: ZENER AS TS 26 +	HZ3B3 TAPI	NG	1	\$	0.19
D008	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D009					1	\$	0.10
D010					1	\$	0.10
D011	BDAY0001001	DIODE	1N60 AM		1	\$	0.33
D012					1	\$	0.33
D013	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D014					1	\$	0.10
D016	BDAY0001001	DIODE	1N60 AM		1	\$	0.33
D017					1	\$	0.33
D018	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D019					1	\$	0.10
D020					1	\$	0.10
D021					1	\$	0.10
D022	,				1	\$	0.10
D025					1	\$	0.10
D026					1	\$	0.10
D027					1	\$	0.10
D028					1	\$	0.10
D029					$\{\boldsymbol{u}_{i}, \boldsymbol{v}_{i}, \dots, \boldsymbol{v}_{i}\} \in \boldsymbol{I}_{i}$	\$	0.10
D030	BDFY0004003	VARISTOR	KB-362		1	\$	1. 10
D031	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D032					1	\$	0.10
D033					1	\$	0.10
D034	BDAY0492002	DIODE: ZENER AS TS 26 +	HZ5C1 TAP	I NG	1	\$	0.19
D035	BDAY0497001	DIODE	1SS133	TAPING	1	\$	0.10
D036					1	\$	0.10
D037					1	\$	0.10
D038					1	\$	0.10
D039					1	\$	0.10
D040					1	\$	0.10
D041					1	\$	0.10
D042					1	\$	0.10
D043					1	\$	0.10
D044					1	\$	0.10
D045					1	\$	0.10
D046					1	\$	0.10

(SYMBOL)	(PARTS CODE)	(DE	SCRIPTION)	(QTY)	(LIST I	PRICE)
D047	BDAY0497001	DIODE	ISS133 TAPING	1	\$	0.10
D048			- 14 Marian - 15	1	\$	0.10
D049				1	\$	0.10
D051				1	\$	0.10
D052				1	\$	0.10
D053				1	\$	0.10
D054				1	\$	0.10
D055				1	\$	0.10
D056				1	\$	0.10
D057				1	\$	0.10
D058				1	\$	0.10
D059				1	\$	0.10
D061				1	\$	0.10
D062				1	\$	0.10
D063				1	\$	0.10
D064				1	\$	0.10
D065				1	\$	0.10
D066				1	\$	0.10
D067				1	\$	0.10
D068				1	\$	0.10
D069				1	\$	0.10
D071				1	\$	0.10
D072				1	\$	0.10
D073	BDAY0245001	DIODE	1N5 401	1	\$	0.65
D074	BDAY0497001	DIODE	1SS133 TAPING	- 1	\$	0.10
D075	BDAY0529001	DIODE AX TS 26 +	S5566G TAPING	1	\$	0. 21
D076	BDAY0497001	DIODE	1SS133 TAPING	1	\$	0.10
D077	BDFY0058001	VARISTOR	MV-1YH-S	1	\$	1.66
D078				1	\$	1.66
D201	BDAY0001001	DIODE	1N60 AM	1	\$	0.33
D202				1	\$	0.33
D203	BDAY0433001	DIODE	RLS4148 TE11	1	\$	0.21
D301	BDAY0465001	DIODE	1SV200-12 TRC	1	\$	0.96
D303				1	\$	0.96
D304				1	\$	0.96
D305				1	\$	0.96
D306				1	\$	0.96
D307				1	\$	0.96
D308	BDAY0281001	DIODE	KV1330	1	\$	3. 77
D311	BDAY0433001	DIODE	RLS4148 TE11	1	\$	0.21
D312	BDAY0529001	DIODE AX TS 26 +	S5566G TAPING	1	\$	0.21
D313				1	\$	0.21
D315	BDAY0433001	DIODE	RLS4148 TE11	1	\$	0. 21
D316	BDAY0529001	DIODE AX TS 26 +	S5566G TAPING	. 1	\$	0. 21

(SYMBOL)	(PARTS CODE)		(DESCRIPTION)		(QTY)	(LIST	PRICE)
D318	BDAY0433001	DIODE	RLS4148	TE11	1	\$	0. 21
D319					1	\$	0. 21
D321					1	\$	0.21
D322					1	\$	0.21
D323					1	\$	0.21
D324					1	\$	0.21
D551	BDAY0001001	DIODE	1N60 AM		1	\$	0.33
D552					1	\$	0.33
J301	BJKY0276003	JACK	JK-276 5	267-03A	1	\$	0. 21
J302	BJKY0276004	JACK	JK-276 5	267-04A	1	\$	0.24
J303	BJKY0276005	JACK	JK-276 5	267-05A	1	\$	0. 28
J304	BJKY0276009	JACK	JK-276 5	267-09A	1	\$	0.57
J305					1	\$	0.57
J306	BJKY0276005	JACK	JK-276 5	267-05A	1	\$	0. 28
J307	BJKY0276003	JACK	JK-276 5	267-03A	1	\$	0.21
J308					1	\$	0.21
J311	BJKY0326001	JACK	JK-326		1	\$	1. 29
J312					1	\$	1. 29
J511	BJKY0426001	JACK	JK-426 M	-RM-L	1	\$	2. 11
J651	BJKY0191001	JACK	JK-191 N	-79003	1	\$	4.86
L001	BLBY0623001	COIL	LB-623 1	99CN-15100X	1	\$	1.12
L002	BLBY0341001	COIL	LB-341 1	99CC-13499A	i	\$	1.38
L003					1	\$	1. 38
L004					ì	\$	1.38
L005	BLBY0438001	COIL	LB-438 1	99CC-14250N	1	\$	1. 38
L006	BLBY0342001	COIL	LB-342 1	99CC-13524R	1	\$	1.38
L008	BLBY0137001	COIL	LB-137 1	13CN-6344Z	1	\$	1.08
L009					1	\$	1.08
L010	BLBY0209001	COIL	LB-209 1	13CN-6485Z	1	\$	1.08
L011	BLZY0016471	INDUCTOR: MOLDED	LZ-016 S	L0609-471K 470UH	1	\$	0.46
L012					1	\$	0.46
L013					1	\$	0.46
L014	BLEY0376001	COIL	LE-376 L	-3E6-5 (R22-E528)	1	\$	0.50
L015	BLEY0402001	COIL	LE-402 L	-1E6-S(R22-E720X)	1	\$	0.50
L016	BLEY0375001	COIL	LE-375 D	6 7 1/2T	1	\$	0.50
L017	BLDY0230001	COIL	LD-230		1	\$	3. 89
L018					1	\$	3.89
L019	BLDY0221001	COIL	LD-221		1	\$	1.62
L020	BLDY0087001	COIL	LD-087 B	F04-3*5*1	. 1	\$	0.08
L021	BLDY0229001	COIL	LD-229		1	\$	3. 07
L022	BLDY0228001	COIL	LD-228 A	T0502T-3012	1.	\$	0.70
L023	BLDY0087001	COIL	LD-087 B	F04-3*5*1	. 1	\$	0.08
L024	BLEY0201001	COIL	LE-201	D2. 4 3 1/2T	1	\$	0.17
L025	BLBY0342001	COIL	LB-342 1	99CC-13524R	, , , , 1	\$	1. 38

(SYMBOL)	(PARTS CODE)	(DESCRIPT	ION)	(QTY)	(LIST PRICE)
L026	BLZY0051101	INDUCTOR: MOLDED	LZ-051 SP0305-101K 100UH	1	\$ 0.34
L203	BLFY0125001	COIL	LF-125 332PC-2673Y	1	\$ 2.51
L301	BLEY0246001	COIL	LE-246 DO. 6 3 1/2T	1	\$ 0.15
L302	BLBY0684001	COIL	LB-684 L-2M7-T1(R12H807X)	1	\$ 1.13
L303	BLFY0131001	COIL	LF-131 A294SN-1373AQ	1	\$ 1.87
L304				1 .	\$ 1.87
L307	BLZY0051479	INDUCTOR: MOLDED	LZ-051 SP0305-4R7K 4.7UH	1	\$ 0.34
L308	BLZY0051100	INDUCTOR: MOLDED	LZ-051 SP0305-100K 10UH	1 1 1 1	\$ 0.34
L310	BLFY0159001	COIL	LF-159 341LC-1286N	1 1	\$ 2.51
L312	BLZY0051279	INDUCTOR: MOLDED	LZ-051 SP0305-2R7M 2.7UH	1	\$ 0.34
L313	BLFY0130001	COIL	LF-130 A294SN-1372AQ	1	\$ 1.87
L314	BLFY0131001	COIL	LF-131 A294SN-1373AQ	1	\$ 1.87
L315	BLFY0172001	COIL	LF-172 A294SN-1529IB	1 .	\$ 1.87
L316	BLZY0044682	INDUCTOR: MOLDED	LZ-044 262LY-682K 6.8MH	1 , ,	\$ 0.93
L317	BLBY0686001	COIL	LB-686 L-2M7-T1(R12H806X)	1	\$ 1.13
L318	BLFY0133001	COIL	LF-133 A294SNS-1441IB	1	\$ 1.87
L319	BLFY0158001	COIL	LF-158 341LC-1282FQZ	1	\$ 2.51
L401	BLFY0072001	COIL	LF-072 5PLC-1055Z	1	\$ 2.09
L651	BLZY0051471	INDUCTOR: MOLDED	LZ-051 SP0305-471K 470UH	1	\$ 0.34
L652				1	\$ 0.34
L653				1	\$ 0.34
Q001	BDBC1674111	TRANSISTOR	DB-295 2SC1674-L	1	\$ 0.21
Q002	BDCB0192533	FIELD EFFECT TRANSISTOR	DC-019 2SK192A-BL	1	\$ 0.64
Q003	BDBC1674111	TRANSISTOR	DB-295 2SC1674-L	1	\$ 0.21
Q004	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$ 0.17
Q005	BDBC1675111	TRANSISTOR	DB-259 2SC1675-L	1	\$ 0.19
Q006				1	\$ 0.19
Q007	BDBC1730111	TRANSISTOR	DB-269 2SC1730-L	1	\$ 0.49
Q008	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$ 0.17
Q009				1	\$ 0,17
Q010				1	\$ 0.17
Q011				1	\$ 0.17
Q012	BDBC1675111	TRANSISTOR	DB-259 2SC1675-L	1	\$ 0.19
Q013	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1 7	\$ 0.17
Q014				1	\$ 0.17
Q015				1	\$ 0.17
Q016				1	\$ 0.17
Q017	BDBA0733541	TRANSISTOR	DB-027 2SA733A-PB	1	\$ 0.19
Q018	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$ 0.17
Q019				1	\$ 0.17
Q020	BDBA0733541	TRANSISTOR	DB-027 2SA733A-PB	1	\$ 0.19
Q021	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$ 0.17
Q022	BDBC1675111	TRANSISTOR	DB-259 2SC1675-L	1	\$ 0.19
Q023	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$ 0.17

(SYMBOL)	(PARTS CODE)	(DESCRIPTI	ON)	(QTY)	(LIST	r PRICE)
Q024	BDBA0733541	TRANSISTOR	DB-027 2SA733A-PB	1	\$	0.19
Q025				1	\$	0.19
Q026	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$	0. 17
Q027	BDBB0525104	TRANSISTOR	DB-106 2SB525-D UNI	1 1	\$	0.71
Q028	BDBC3242536	TRANSISTOR	DB-383 2SC3242A-E	1	\$	0.81
Q029	BDBC0945507	TRANSISTOR	DB-224 2SC945A-Q	1	\$	0. 17
Q030				1	\$	0.17
Q031	BDBC2086104	TRANSISTOR	DB-228 2SC2086-D	1	\$	2. 19
Q032	BDBZ0529001	TRANSISTOR	DB-529 MRF-477	1	\$	52.64
Q033	BDBC2166103	TRANSISTOR	DB-331 2SC2166-C	1	\$	5.02
Q034	BDBC1973315	TRANSISTOR	DB-272 2SC1973-SSB	1.00	\$	3. 25
Q201	BDBC2814641	TRANSISTOR	DB-744 2SC2814-F5 TA	1	\$	0.40
Q202				1	\$	0.40
Q203				1	\$	0.40
Q204	BDBC2812642	TRANSISTOR	DB-743 2SC2812-L5 TA	1 %	\$	0.32
Q205		Survey of the second		1	\$	0. 32
Q206	BDBA1179643	TRANSISTOR	DB-048 2SA1179-M6 TA	1.	\$	0.36
Q207	BDBC2814641	TRANSISTOR	DB-744 2SC2814-F5 TA	1	\$	0.40
Q301	BDBC3121000	TRANSISTOR	DB-724 2SC3121 TE85L	1	\$	0.74
Q302				1	\$	0.74
Q303				1	\$	0.74
Q304				1 1	\$	0.74
Q305				1	\$	0.74
Q306				1	\$	0.74
Q308	BDBC2814641	TRANSISTOR	DB-744 2SC2814-F5 TA	1 - 1	\$	0.40
Q311	BDBA1179643	TRANSISTOR	DB-048 2SA1179-M6 TA	1	\$	0.36
Q312				1	\$	0.36
Q313				1	\$	0.36
Q314				1.	\$	0.36
Q315	BDBC2712124	TRANSISTOR	DB-381 2SC2712-Y TE85L	1	\$	0. 26
Q316	BDBA1179643	TRANSISTOR	DB-048 2SA1179-M6 TA	1	\$	0.36
Q317	BDBC2712124	TRANSISTOR	DB-381 2SC2712-Y TE85L	1	\$	0. 26
R001	BRPB185624Z	RESISTOR: CARBON AXIAL LEAD	5.6K 1/8W J	1	\$	0.50
R002	BRPA618224Z	RESISTOR: CARBON AX TS 26	8.2K 1/6W J TAPING	1	\$	0.04
R003	BRPA611024Z	RESISTOR: CARBON AX TS 26	1K 1/6W J TAPING	1	\$	0.04
R004	BRPA611524Z	RESISTOR: CARBON AX TS 26	1.5K 1/6W J TAPING	1	\$	0.04
R006	BRPA611014Z	RESISTOR: CARBON AX TS 26	100 1/6W J TAPING	1	\$	0.04
R007	BRPB184724Z	RESISTOR: CARBON AXIAL LEAD	4.7K 1/8W J	1 1	\$	0.50
R008	BRPA611014Z	RESISTOR: CARBON AX TS 26	100 1/6W J TAPING	1	\$	0.04
R009	BRPA613324Z	RESISTOR: CARBON AX TS 26	3.3K 1/6W J TAPING	1	\$	0.04
R010	BRPA613314Z	RESISTOR: CARBON AX TS 26	330 1/6W J TAPING	1	\$	0.04
R011	BRPA611034Z	RESISTOR: CARBON AX TS 26	10K 1/6W J TAPING	1	\$	0.04
R012	BRPA618214Z	RESISTOR: CARBON AX TS 26	820 1/6W J TAPING	, 1 :	\$	0.04
R013	BRPA616814Z	RESISTOR: CARBON AX TS. 26	680 1/6W J TAPING	1	\$	0.04

(SYMBOL)	(PARTS CODE)	(DESCRIPT)	ION)	(QTY)	(LIST PRICE)
R014	BRPA618224Z	RESISTOR: CARBON AX TS 26	8.2K 1/6W J TAPING	1	\$ 0.04
R015	BRPA612234Z	RESISTOR: CARBON AX TS 26	22K 1/6W J TAPING	1	\$ 0.04
R018	BRPA615624Z	RESISTOR: CARBON AX TS 26	5.6K 1/6W J TAPING	1	\$ 0.04
R019	BRPA611024Z	RESISTOR: CARBON AX TS 26	1K 1/6W J TAPING	1	\$ 0.04
R020	BRPA615624Z	RESISTOR: CARBON AX TS 26	5.6K 1/6W J TAPING	1	\$ 0.04
R021	BRPA615614Z	RESISTOR: CARBON AX TS 26	560 1/6W J TAPING	1	\$ 0.04
R022	BRPA611024Z	RESISTOR: CARBON AX TS 26	1K 1/6W J TAPING	1	\$ 0.04
R023	BRPA616814Z	RESISTOR: CARBON AX TS 26	680 1/6W J TAPING	1	\$ 0.04
R024	BRPA611024Z	RESISTOR: CARBON AX TS 26	1K 1/6W J TAPING	1	\$ 0.04
R025	BRPA611014Z	RESISTOR: CARBON AX TS 26	100 1/6W J TAPING	1	\$ 0.04
R026	BRPA614734Z	RESISTOR: CARBON AX TS 26	47K 1/6W J TAPING	1	\$ 0.04
R027	BRPA611014Z	RESISTOR: CARBON AX TS 26	100 1/6W J TAPING	1	\$ 0.04
R028	BRPA612714Z	RESISTOR: CARBON AX TS 26	270 1/6W J TAPING	1	\$ 0.04
R029	BRPA611514Z	RESISTOR: CARBON AX TS 26	150 1/6W J TAPING	1	\$ 0.04
R030	BRPA611034Z	RESISTOR: CARBON AX TS 26	10K 1/6W J TAPING	1	\$ 0.04
R031	BRPA616804Z	RESISTOR: CARBON AX TS 26	68 1/6W J TAPING	1	\$ 0.04
R032	BRPA612224Z	RESISTOR: CARBON AX TS 26	2.2K 1/6W J TAPING	1	\$ 0.04
R033	BRPA613324Z	RESISTOR: CARBON AX TS 26	3.3K 1/6W J TAPING	1	\$ 0.04
R034	BRPA611524Z	RESISTOR: CARBON AX TS 26	1.5K 1/6W J TAPING	1	\$ 0.04
R035	BRPA611044Z	RESISTOR: CARBON AX TS 26	100K 1/6W J TAPING	1	\$ 0.04
R036				1	\$ 0.04
R037				1	\$ 0.04
R038				1	\$ 0.04
R040	BRPA614734Z	RESISTOR: CARBON AX TS 26	47K 1/6W J TAPING	1, "	\$ 0.04
R041	BRPA611544Z	RESISTOR: CARBON AX TS 26	150K 1/6W J TAPING	1	\$ 0.04
R042	BRPA615644Z	RESISTOR: CARBON AX TS 26	560K 1/6W J TAPING	1	\$ 0.04
R043	BRPA611044Z	RESISTOR: CARBON AX TS 26	100K 1/6W J TAPING	1	\$ 0.04
R044	BRPA612234Z	RESISTOR: CARBON AX TS 26	22K 1/6W J TAPING	1	\$ 0.04
R045	BRPA611034Z	RESISTOR: CARBON AX TS 26	10K 1/6W J TAPING	1	\$ 0.04
R046	BRPB182234Z	RESISTOR: CARBON AXIAL LEAD	22K 1/8W J	1	\$ 0.50
R047	BRPA612254Z	RESISTOR: CARBON AX TS 26	2.2M 1/6W J TAPING	1	\$ 0.04
R048	BRPA611044Z	RESISTOR: CARBON AX TS 26	100K 1/6W J TAPING	1	\$ 0.04
R049	BRPA611024Z	RESISTOR: CARBON AX TS 26	1K 1/6W J TAPING	1 - 1	\$ 0.04
R050	BRPB183944Z	RESISTOR: CARBON AXIAL LEAD	390K 1/8W J	1	\$ 0.50
R051	BRPA611524Z	RESISTOR: CARBON AX TS 26	1.5K 1/6W J TAPING	1 ,	\$ 0.04
R052	BRPA611034Z	RESISTOR: CARBON AX TS 26	10K 1/6W J TAPING	1	\$ 0.04
R053				1	\$ 0.04
R054	BRPA611044Z	RESISTOR: CARBON AX TS 26	100K 1/6W J TAPING	1	\$ 0.04
R055				1	\$ 0.04
R056	BRPA616834Z	RESISTOR: CARBON AX TS 26	68K 1/6W J TAPING	1	\$ 0.04
R057	BRPA611054Z	RESISTOR: CARBON AX TS 26	1M 1/6W J TAPING	1	\$ 0.04
R058	BRPA616834Z	RESISTOR: CARBON AX TS 26	68K 1/6W J TAPING	1	\$ 0.04
R059	BRPA613344Z	RESISTOR: CARBON AX TS 26	330K 1/6W J TAPING	1	\$ 0.04
R060	BRPA615614Z	RESISTOR: CARBON AX TS 26	560 1/6W J TAPING	1	\$ 0.04