

70-0674 VOLTAGE CHARTS(1/6)

TRANSISTOR

SYMBOL	TYPE	MODE	BASE	EMITTER	COLLECTOR	FUNCTION
Q201	2SC3357	RX	1.2	0.5	5.8	RF Amp
		TX	2.0	0	0	
Q205	RT1N241C	RX	0	0	0	Switch
		TX	0	0	5.4	
Q206	RT1N241C	RX	0	0	12.9	Switch
		TX	5.4	0	0	
Q301	RT1N241C	-	4.9	0	0	Switch
			0	0	4.9	
Q302	2SC2462C	-	9.3~11.1	8.8~10.7	13.1	Switch
Q303	2SD1421ED	-	8.8~10.5	8.1~10.0	13.1	Switch
Q304	RT1N241C	-	0	0	9.2~11.1	Switch
Q401	2SC2462C	RX	-	0	-	Switch
Q402	2SC2462C	RX	0.6	0	-	Switch
		TX	0.6	0	4.5	
403	2SC2462C	RX	0	0	0	Switch
		TX	-	0	2.9	
Q404	DTC124EKA	-	0	0	4.9	Switch
Q405	DTC124EKA	RX STANDBY	3.5	0	0	Switch
		RX BUSY	0.7	0	3.9	
Q408	RT1N241C	-	5.0	0	0	Switch
Q505	2SC2462C	RX	0	0	13.4	Switch
		TX	0.7	0	0.2	
Q507	2SB945Q	RX	0	0	0	APC
		TX	7.3	8.0	5.9	
Q509	2SC2462C	RX	0	0	0	APC
		TX	0.7	0	7.3	
Q701	2SA1121C	-	-	-	-	Charge Pump
Q702	2SC2462C	-	-	-	-	Charge Pump
Q703	2SA1121C	-	-	-	-	Charge Pump
Q704	2SC2462C	-	-	-	-	Charge Pump
Q705	RT1N241C	-	3.5	0	0	Switch

70-0674 VOLTAGE CHARTS(2/6)

TRANSISTOR

SYMBOL	TYPE	MODE	BASE	EMITTER	COLLECTOR	FUNCTION
Q707	2SC3356	RX TX	0 1.7	0 1.0	0 6.6	Pre Amp
Q708	2SC3357	RX TX	0 1.6	0 1.0	0 6.5	Pre Amp
Q709	2SA1576A	-	4.4	4.8	0	Switch
Q715	2SB1197K	RX TX	8.0 7.3	8.0 7.9	0 7.9	Filter
Q716	2SD596DV3	-	7.9	7.3	8.0	Filter
Q717	2SC3357	RX TX	1.4 0	0.7 0	5.4 0	Local Amp
Q804	2SC2462C	-	0.6	0	6.0	Buffer AMP
Q805	2SA1121C	N/B ON N/B OFF	3.8 3.8	4.4 0.6	0.1 0.2	Multi Vibrator
Q806	2SA1121C	N/B ON N/B OFF	7.6 0	4.4 0.6	0.1 0.2	Multi Vibrator
Q807	2SC2462C	-	0	0	7.6	Buffer AMP
Q808	2SA1121C	-	7.7	7.2	0	Buffer AMP
Q809	2SA1121C	-	6.7	7.2	6.7	Rectifier AMP
Q810	2SA1121C	-	6.7	7.2	2.6	Rectifier AMP
Q811	2SC2462C	-	3.0	2.5	7.2	Rectifier AMP
Q812	RT1N241C	N/B ON N/B OFF	0 0	0 0	0 7.6	Switch
Q901	2SC2462C	-	8.7	8.0	13.5	Switch
Q902	RT1N241C	POWER OFF POWER ON	0 4.9	0 0	13.5 0	Switch
Q904	RT1N241C	NARROW RX WIDE RX	0 4.9	0 0	4.9 0	Switch
Q905	RT1N241C	-	0	0	5.0	Switch

70-0674 VOLTAGE CHARTS(3/6)

FET

SYMBOL	TYPE	MODE	GATE	DRAIN	SOURCE	FUNCTION
Q203	2SK508K52	-	0	7.8	0.6	IF Amp
Q204	2SK360E	-	7.9	0.6	0	IF Amp
Q501	RD00HVS1	RX	0	13.4	0	Power Amp
		TX	2.7	12.5	0	
Q502	RD16HHF1	RX	0	13.4	0	Power Amp
		TX	5.3	12.5	0	
Q503	RD70HHF1	RX	0	13.4	0	Power Amp
		TX	4.5	12.5	0	
Q504	RD70HHF1	RX	0	13.4	0	Power Amp
		TX	4.5	12.5	0	
Q706	2SK508K52	RX	0	4.8	0.9	VCO
		TX	0	6.3	0.8	
Q801	2SK508K52	-	0	3.3	3.3	Switch
Q802	2SK508K52	-	0	3.3	3.3	Switch
Q802	3SK151GR	-	1:3.0 2:5.4	7.2	2.8	Buffer Amplifier
Q903	2SJ246S	POWER OFF	13.5	0.5	13.6	Switch
		POWER ON	0	13.5	13.5	

TRANSISTOR PACKS

SYMBOL	TYPE	MODE	1	2	3	4	5	6
Q406	UMH1N	RX STANDBY	0	5.0	0	0	0	0
		RX BUSY	0	5.0	0	0	3.9	0
Q407	UMH1N	-	0	0	3.5	0	0	3.5
Q710	UMH1N	-	0	0	0	0	2.5	0
Q713	UMB10 N	RX	7.3	0	0	7.3	7.9	6.0
		TX	7.3	7.3	7.2	7.3		0
Q714	UMH1N	RX	0	4.9	7.9	0	0.6	0
		TX	0	0.1	0	0	5.5	7.3

70-0674 VOLTAGE CHARTS(4/6)

INTEGRATED CIRCUITS, 8 to 16Pins

SYMBOL	TYPE	MODE	PIN NO.							
			1	2	3	4	5	6	7	8
IC201	TA31136FN	-	4.7	4.3	3.5	4.8	4.4	4.4	0.7	0.6
IC202	TDA1519A	RX	2.0	0	6.5	6.4	0	6.4	13.4	12.8
IC305	HD14538BFP	-	-	-	-	-	-	-	-	0
C306	BU4066BCFV	MIC	0	5.0	0	5.0	0	5.0	0	5.0
		PROGRAMER	0	0	0	0	5.0	0	0	0
IC402	BA3308F	-	1.9	0	-	0	8	-	1.9	-
IC403	MF6CWMX	-	2.5	-	-	-	2.5	4.9	2.5	-
IC404	BA14741F	-	2.5	2.5	2.4	4.9	2.4	2.5	2.5	2.5
IC405	BA14741F	-	2.4	2.5	2.5	4.9	2.5	-	-	2.5
IC406	HD14053BFP	RX	2.5	2.4	2.4	2.5	2.5	0	0	0
		TX	2.5	2.4	0	2.5	2.5	0	0	0
IC407	BU4066BCFV	NARROW RX	2.5	2.5	2.9	2.9	-	4.4	0	2.5
		NARROW TX	2.5	2.5	2.9	2.9	-	0	0	2.5
		WIDE RX	2.5	2.5	2.9	2.9	-	4.4	0	2.5
		WIDE TX	2.5	2.5	2.9	2.9	-	0	0	2.5
IC408	BA728F	SQ ON	0.7	0~1.3	0~1.7	0	2.5	3.6	3.6	4.9
		SQ OFF	3.6	0~1.3	0~1.7	0	2.5	3.6	0.7	4.9
IC409	BA728F	-	2.4	2.4	2.4	0	2.4	2.4	2.4	4.9
IC410	SC14S66F	-	2.4	0	0	0	4.9	-	-	-
IC411	SC14S66F	-	2.4	2.4	0	4.9	4.9	-	-	-
IC412	TC4W53FU	-	2.5	0	0	0	0	2.5	2.5	4.9
IC413	TC4W53FU	-	2.5	0	0	0	0	2.4	2.5	4.9

70-0674 VOLTAGE CHARTS(5/6)

INTEGRATED CIRCUITS, 8 to 16Pins

SYMBOL	TYPE	MODE	PIN NO.							
			1	2	3	4	5	6	7	8
IC701	MB1504PF	-	2.1	2.1	4.6	4.6	0.5	0	4.6	3.3
IC702	BU4066BCFV	-	1.6	0	0	0	0	0	0	1.6
IC801	MC1350D	-	7.3	7.5	0	2.4	3.4	2.4	0	6.8
IC902	AT24C16	-	0	0	0	0	-	-	-	4.9

SYMBOL	TYPE	MODE	PIN NO.							
			9	10	11	12	13	14	15	16
IC201	TA31136FN	-	1.0	4.8	3.9	-	-	-	-	-
IC202	TDA1519A	RX	2.0	-	-	-	-	-	-	-
IC305	HD14538BFP	-	5.0	-	5.0	5.0	5.0	5.0	0	5.0
IC306	BU4066BCFV	MIC	5.0	5.0	5.0	5.0	0	5.0	-	-
		PROGRAMMER	5.0	0	5.0	0	5.0	5.0	-	-
IC402	BA3308F	-	0	1.8	1.8	-	-	-	-	-
IC403	MF6CWMX	-	0	0	-	0	2.4	-	-	-
IC404	BA14741F	-	2.5	2.4	0	2.4	2.5	2.5	-	-
IC405	BA14741F	-	2.5	2.5	0	2.5	2.5	2.5	-	-
IC406	HD14053BFP	RX	4.9	4.9	4.9	2.5	2.4	2.4	2.4	4.9
		TX	0	0	0	2.5	2.5	2.5	2.4	4.9
IC407	BU4066BCFV	NARROW RX	2.5	2.5	2.5	0	4.9	4.9	-	-
		NARROW TX	2.5	2.5	2.5	0	4.9	4.9	-	-
		WIDE RX	2.5	2.5	2.5	5.0	0	4.9	-	-
		WIDE TX	2.5	2.5	2.5	5.0	0	4.9	-	-
IC702	BU4066BCFV	-	1.6	7.9	7.9	0	0	7.9	-	-

70-0674 VOLTAGE CHARTS(6/6)

INTEGRATED CIRCUITS, Over 17Pins

SYMBOL	TYPE	MODE	PIN NO.							
			1	2	3	4	5	6	7	8
IC401	AK2368	RX	2.5	2.5	2.5	2.5	2.9	2.4	0	4.9
		TX	2.5	2.5	2.5	2.5	2.9	2.4	0	4.9

SYMBOL	TYPE	MODE	PIN NO.							
			9	10	11	12	13	14	15	16
IC401	AK2368	RX	0	4.9	0	5.0	0	0	2.5	4.9
		TX	0	4.9	0	5.0	0	0	2.5	4.9

SYMBOL	TYPE	MODE	PIN NO.							
			17	18	19	20	21	22	23	24
IC401	AK2368	RX	2.5	2.5	2.5	-	-	2.5	2.5	2.5
		TX	2.5	2.5	2.5	-	-	2.5	2.5	2.5

INTEGRATED CIRCUITS

SYMBOL	TYPE	MODE	PIN NO.			
			1	2	3	4
IC204	HA178L05UA	-	4.9	0	8.0	-
IC301	HA178L05UA	-	5.0	0	12.2	-
IC303	XC61AC4102	-	5.0	0	5	-
IC703	μPC1675G	-	0	4.3	5.3	1.2
IC704	μPC1675G	RX/TX	0/0	3.5/0	4.2/0	1.0/0
IC705	μPC1675G	RX/TX	0/0	4.2/4.3	5.3/5.3	1.2/1.2
IC904	NJM7808DLA	-	13.3	0	8.0	-
IC905	HA178L05UA	-	4.9	0	8.0	-
IC906	RH5VL45AA	-	5.0	6.6	0	-
IC907	XC61AC4102MR	-	5.0	5.0	0	-
IC910	RH5RL50AA	-	5.0	7.4	5.0	-