

■ PARTS LIST ■

MODEL HL-355VKX

Tokyo Hy-power Labs., Inc. March 2013

<u>Unit : Case / Attachment</u>						
Reference	Description	Parts/Type	Spec./Remarks	Q'ty	Vendor	Manufacturer
	Metalwork	L1507VH 1 set		1	A Han	
	HL-250UFX(GND hardware)	1117M17	Phosphor Bronze 0.3t	10	Kurosu	
	ATT Base Plate	1507M28A	Copper Plate 1.5t	1	Kurosu	
	Heat Sink	1507M01, (Al)	Anodimized Aluminum	1	A Han	
	Front Panel	1507M26, (Al)	Painting /Printing	1	Arrow Art	
	Switch Knob	1020-UE202011	Key Pitch 15mm	3		
J1.2	Connector	N-R		2		Tohyoh Connector
J7	Plug Housing	SMP-02V-BC	For Main Body	1	Nichi Atsu	Tohyoh Connector
	Pin Contact	SYM-001T-P0.6		2	Nichi Atsu	Tohyoh Connector
	Socket Contact	SHF-001T-0.8BS		2	Nichi Atsu	Tohyoh Connector
J3	Receptacle Housing	VLR-04VN	For Main Body	1	Nichi Atsu	Tohyoh Connector
	Plug Housing	VLP-04VN-1	For Power Cord	1	Nichi Atsu	Tohyoh Connector
	Pin Contact	SVM-81T-P2.0		4	Nichi Atsu	Tohyoh Connector
	Socket Contact	SVF-81T-P2.0		4	Nichi Atsu	Tohyoh Connector
	Color Foot	BU4850B CA20		4	Nichi Atsu	Satoh Parts
	Jumper Cable		N-M 5D-2V 0.7M	1		Tohyoh Connector
	RCA Plug	RCA-P	Black	1	Tama Ohm	Satoh Parts
	Screw 1 set			1		
	Name Plate		Tetron #50Lamination	1		
	Display Carton Box		HL-350VKX	1	Daiichi Ind.	
	Wire Harness 1set			1	Itsue Elect	
	Coil 1set			1	Shichinohe	
	Instruction Manual			1		
	Core, Ferrite	HF70RH 8*15*4		1		TDK
	Convex	CV70		1		Convex
	IRRAX Tube	0.7×0.25	Heat shrinkable tubing	3cm		

PARTS LIST

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Unit : Front Panel

[illegible]

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MODEL HL-355VKX

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<i>Unit : PA Board (1/4)</i>						
Reference	Description	Parts/Type	Spec./Remarks	Q'ty	Vendor	Manufacturer
	PA Board	PCSO1890A		1	Orion Science	
IC1.4.5	IC, Regulator	78L05	5V	3		NJRC
IC2	IC,MPU	PIC 16F688-1/P	PIC	1		Micro-Chip
IC2	Socket for IC	ICC05-014-360T	14P DIP	1		KEL
Q1	FET	MGF1302	GaAs	1		Mitsubishi
Q2.3.4.5	FET	RD70HHVF1	MOSFET, 70W	4		Mitsubishi
Q6.8.11	Transistor	2SC1815	SS, NPN	3		Toshiba
Q12	Transistor	2SC1959	SS, NPN	1		Toshiba
Q9	Transistor	2SA966	SS,PNP	1		Toshiba
Q7.10	Transistor	2SA1015	SS,PNP	2		Toshiba
D2.7.8.9.10.12.13. 14. 15.16.17.20.21.23	Diode	1S2076AF5	Forming Pitch 7mm	14		Hitachi
D3,4	Diode	L402FD	PIN	2	Hishiwa Int'nl	Lightec
D5,6	Diode	L301DB	PIN	2	Hishiwa Int'nl	Lightec
D1	Diode	1K60		1		Unizon
D19	Diode	1N4002		1		Rectron
D11	Zener Diode	HZ3A2	3V	1		Hitachi
R5	Resistor	RD25U681	1/4W 680 Carbon	1		Rigaku
R36	Resistor	RD25U101	1/4W 100 Carbon	1		Rigaku
R7	Resistor	RD25U151	1/4W 150 Carbon	1		Rigaku
R6.18.19	Resistor	RD25U471	1/4W 470 Carbon	3		Rigaku
R17	Resistor	RD25U511	1/4W 510 Carbon	1		Rigaku
R4.9.10.20.21.38	Resistor	RD25U102	1/4W 1K Carbon	6		Rigaku

MODEL HL-355VKX
Unit : PA Board (2/4)

Reference	Description	Parts/Type	Spec./Remarks	Q'ty	Vendor	Manufacturer
R3.8.11.12.14.16.39	Resistor	RD25U103	1/4W 10K	7		Rikyu
R13.15.22	Resistor	RD25U223	1/4W 22K Carbon	3		Rikyu
	Resistor	RD25S000	1/4W 0Ω Carbon	4		Rikyu
R37	Resistor	RD25U333	1/4W 33k Carbon	1		Rikyu
R1.2.27.28.29.30	Resistor	RD25S102	1/4W 1K Carbon	6		Rikyu
TH1.2	Thermistor	112-252-2	2.5kΩ@25°C	2		Oh'izumi
R23.24.3	Metal Film Resistor	ERG2ANJ101	2W 100Ω	4		Denon
R25.26.4	Metal Film Resistor	ERG5ANJ102	5W 1kΩ	3		Denon
R41	Metal Film Resistor	ERG3ANJ821	3W 820Ω	1		Denon
ATT1	Attenuator	16-6865	100W 3dB	1	Ad Forest	Diconec
VR1.2	VR, Pot	TM64K2PV202	2KΩ	2	Kaga Electronics	Noble
VR5.6.9	VR, Pot	TM64K2PV103	10KΩ	3	Kaga Electronics	Noble
VR7.8	VR, Pot	EVM1ESX30B52	500Ω	2		PANA
C22.23.24.25.26.27.28.29.30.31.32.33.76.75	Multilayer Capacitor	RPE110CH102	50V 1000P	14	Seiken	Murata
C65.108.	Multilayer Capacitor	RPE132R102K50	50V 1000P	3	Seiken	Murata
C1.2.5.7.11.14.15.16.17.20.34.45.47.66.74.77.95.105.4	Multilayer Capacitor	RPE132R103K50	50V 0.01μ	20	Seiken	Murata
C21.107.13	Multilayer Capacitor	RPE132R105K50	50V 1μ	3	Seiken	Murata
C10	Ceramic Capacitor	HE40SJCK010C	50V 1PF	1		MARUWA
C113	Ceramic Capacitor	CK180C	50V 18P	1		MARUWA
C69	Ceramic Capacitor	HM60SJCH050C	500V 5P	1		MARUWA
C41.42.43.44.112	Ceramic Capacitor	HE40SJCH060J	50V 6PF	5		MARUWA
C70.71.115	Ceramic Capacitor	HM60SJCH080D	500V 8PF	3		MARUWA
C72.73	Ceramic Capacitor	HM60SJCH100D	500V 10PF	2		MARUWA

Model HL-355VKX
Unit : PA Board (3/4)

Reference	Description	Parts/Type	Spec./Remarks	Q'ty	Vendor	Manufacturer
C3.4	Ceramic Capacitor	HE40SJCH220J	50V 22PF	2		MARUWA
C116	Ceramic Capacitor		50V 15P	1		MARUWA
C114	Ceramic Capacitor		50V 33P	1		MARUWA
C49.50.51.52.100. 101. 102.103	Ceramic Capacitor	HM60SJCH220J	500V 22PF	8		MARUWA
C53.54.55.56	Ceramic Capacitor	HM74SJCH390J	500V 39PF	4		MARUWA
C37.38.39.40	Ceramic Capacitor	HE80SJCH101J	50V 100PF	4		MARUWA
C110	Ceramic Capacitor	HM60SJCH060D	500V6pF	1		MARUWA
C61.62	Chip Capacitor	UC232H0560J	56PF, Mica	2		Sohshin
C68	DIP MICA Capacitor	DM19C102J5	1000PF	1		Matsuzaki Elec
C8.9.111	Chip Capacitor, Cerami	GMR40B102K50	1000PF	3		Murata
C64	Chip Capacitor, Cerami	GRM43R2C2A472JD0	4700PF	1		Murata
C63	Metalized MICA Capac	J101 30P		1	CCI	
C57.58.59.60	Metalized MICA Capac	J101 150P		4	CCI	
C36	Metalized MICA Capac	J101 82P		1	CCI	
C91.92	Chemical Capacitor	ECA1HM010	50V1μ	2		Panasonic
C6.12.18.19.93.94	Chemical Capacitor	ECA1EM100	50V 10μ	6		Panasonic
C104	Chemical Capacitor	ECA1H4R7	50V 4.7μ	1		Panasonic
TC1.2	Trimmer Capacitor	CV05C1201	10PF	2		Swallow
TC3.4.5	Trimmer Capacitor	ARCO406	100PF	3	CCI	ARCO
C67	Film Capacitor	QXF2G105KTP	400V 1μF	1	Kaga Electronics	Nichicon
C96	Film Capacitor	ECQV1H103JL	50V 0.01μ	1	Chiyoda	Panasonic
C85	Film Capacitor	ECQV1H104JL	50V 0.1μ	1	Chiyoda	Panasonic
C88	Film Capacitor	ECQV1H105JL	50V 1μ	1	Chiyoda	Panasonic
RL2	Relay	G6A-234P DC12V		1		OMRON
RL4	Relay	G2R-1 DC12V		1		OMRON
RL5.6	Relay	FBR56ND12-W		2		Fujitsu
RL1,3	Relay	AG201344		2		Panasonic
Z1.2.3.4.	Beads Filter	ZJSR5101-222-01		5	Kanda Denshi	TDK
J5.6	RCA Jack	MR-101B		1		MaruShin

Model HL-355VKX
Unit : PA Board (4/4)

Reference	Description	Parts/Type	Spec./Remarks	Q'ty	Vendor	Manufacturer
F1.2.3.4	Terminal	1502		8		Taiheiyo
F5	Fuse Holder	FC-310P		2		Kall
F1.2.3.4	Auto Fuse	1025	125V 35A	8		Taiheiyo
F5	Fuse	125V 1A	125V 1A	2	Tama Ohmu	Euji Term
	PC Joiner	JVU(2760)10-0.1-08-	P=2.5	1	Kaga Electronics	Hitachi
PL1.2	Light Bulb	T3 12V60mA		2	Ryuko	Pearl
	Thermal Guard	OHD5R-70B	70°C	1	Tsuchiya	Tokin
J4	DIN Connector	TCS4490-01-4951	8P	1	Kaga Electronics	Hoshiden
	Upper Plug	TCP0596-715201		1	Kaga Electronics	Hoshiden
JP3	Short Connector Header	DSP02-002-431G		1	Takagi	KEL
JP3	Upper Plug	DSP01-002-430G		1	Takagi	KEL
J7,8	EH Connector	B2B-EH	2P	2		Nichiatsu
L1	Air Wound Coil	1328S05	5turns	1	Shichinohe	
L2	Air Wound Coil	1328S01	6turns	1	Shichinohe	
L3	Air Wound Coil	1507S06	φ2.0 PEW, ID=8, 8turns	1	Shichinohe	
L4	Air Wound Coil	1507S07	φ1.6AT, ID=6.5, 3turns	1	Shichinohe	
L5	Air Wound Coil	1568S01	φ0.8PEW,ID=5,6T	1	Shichinohe	
T1	Transformer, RX	1311S08 (4:1)	RB3T-W2S-PEW-0.3	1	Shichinohe	
		Core Material	Rib3*5*5 3A6	1	Shichinohe	
L5	Support	1507S08	φ1.6AT	1	Shichinohe	
	Output Jumper	1507S09	φ1.6AT	1	Shichinohe	
JP1,JP2	Connector	TMP-J01X-V6		2		Tycor
P1,P2	RT Pin	RT-01T-1.0B(LF)		2		Nichiatsu
Y1.2.3.4	Terminal	Y102	M4	4		Morimatsu