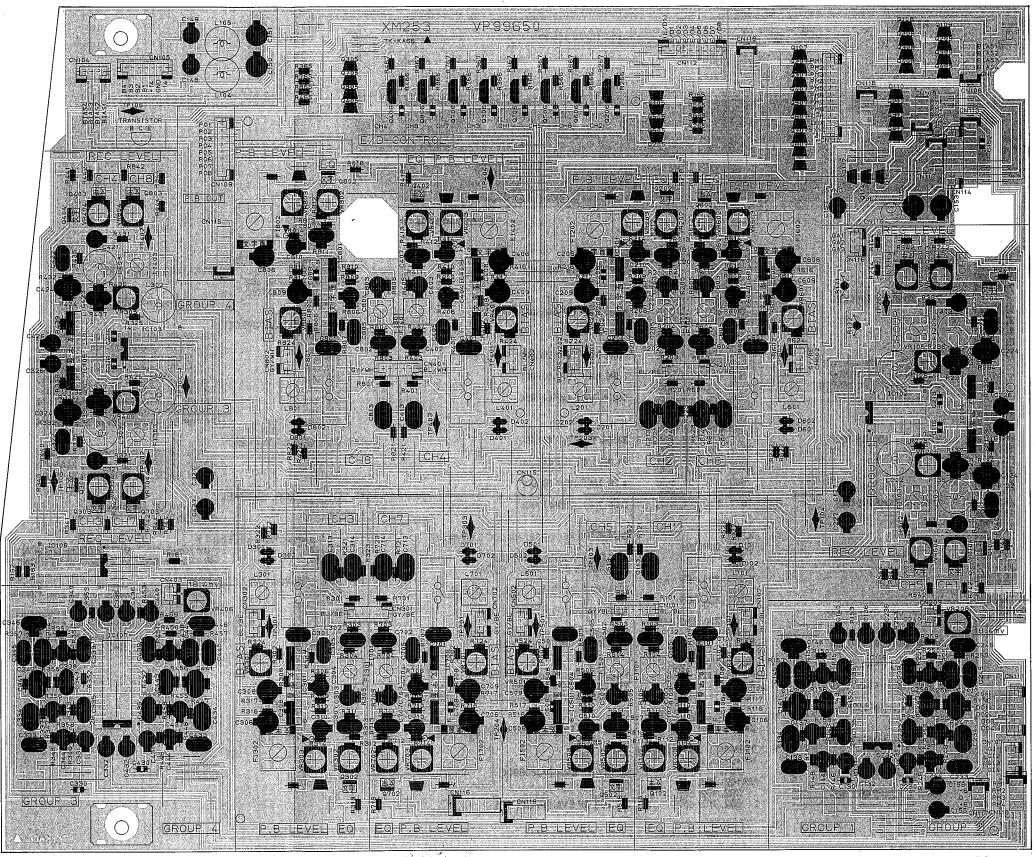
# • ENC Circuit Board



Components side (部品側)

#### Notes)

votes	5)			•				
	CIRCUIT BOARD:	ENC (VP996500) XM253D0	7.	CARBON RESISTOR R101, 104, 121, 201			METAL FILM RESISTOR R146, 246, 346, 446:	4.3K 1/4 F (VP440500)
1.	MYLAR CAP. C101, 201, 301, 401 501, 601, 701, 801: C102, 105, 202, 205 302, 305, 402, 405	220P 50V J (UA652220)		204, 221, 223, 301 304, 321, 323, 401 404, 421, 501, 504 521, 601, 604, 621 623, 701, 704, 721	40.0 4/4   (() 5454400)		R147, 247, 347, 447 150, 250, 350, 450: R149, 149, 349, 449: R151, 251, 351, 451: R152, 252, 352, 452	1.0K 1/4 F (VP439000) 3.9K 1/4 F (VP440400) 10.0K 1/4 F (VP441400)
	502, 505, 602, 605 702, 705, 802, 805: C107, 207, 307, 407	820P 50V J (UA652820)		723, 801, 804, 821: R102, 202, 302, 402 502, 602, 702, 802:	10.0 1/4 J (HF454100) 33.0K 1/4 J (HF457330)		155, 255, 355, 455: R154, 254, 354, 454: R156, 256, 356, 456:	33.0K 1/4 F (VP442600) 4.7K 1/4 F (VP440600) 6.8K 1/4 F (VP441000)
	507, 607, 707, 807: C113, 213, 214, 313	0.0220 50V J (UA654220)		R103, 139, 165, 203 239, 265, 303, 339 365, 403, 439, 465		10.	R157, 257, 357, 457:	91.0K 1/4 F (VP443700)
	314, 413, 513, 613 614, 713, 714, 813: C122, 222, 322, 422: C123, 223, 323, 423: C124, 224, 324, 424: C133, 135, 233, 235 333, 335, 433, 435:	0.2200 50V J (UA655220) 2400P 50V J (UA653240) 4700P 50V J (UA653470) 0.2700 50V J (UA655270) 1800P 50V J (UA653180)		503, 565, 603, 665 703, 765, 803, 865: R105, 109, 205, 209 305, 309, 405, 409 505, 509, 605, 609 705, 709, 805, 809:	100.0K 1/4 J (HF458100) 22.0K 1/4 J (HF457220)		IC101, 201, 301 401, 501, 601 701, 801: IC102, 103: IC104, 105: IC106, 107:	NJM2068S-D (XE322A00) OP AMP LC4966 (IG149300) ANALOG SWITCH UPC4570HA (XB247A00) OP AMP AN6292NK (XJ637A00) dbx
	C134, 141, 142, 234 241, 242, 334, 341			R106, 206, 306, 406 506, 606, 706, 806:	68.0 1/4 J (HF454680)		IC108:	BU4053B (IG149000) MULTIPLEXER
	342, 434, 441, 442: C139, 239, 339, 439: C143, 145, 243, 245 343, 345, 443, 445: C146, 246, 346, 446:	0.1000 50V J (UA655100) 0.0330 50V J (UA654330) 3300P 50V J (UA653330) 330P 50V J (UA652330)		R107, 108, 131, 207 208, 231, 307, 308 331, 407, 408, 431 507, 508, 607, 608 707, 708, 807, 808:	4.7K 1/4 J (HF456470)		RELAY RY101, 201, 301 401, 501, 601 701, 801:	DC RY 12W-OH-K (VM640200)
2.	CERAMIC TUBULAR CA	· ·		R110, 210, 310, 410 510, 610, 710, 810:	330.0 1/4 J (HF455330)		LC FILTER FI101, 201, 301	
	C108, 208, 308, 408 508, 608, 708, 808:	100P 50V K (VF466800)		R111, 211, 311, 411 511, 611, 711, 811: R112, 124, 212, 224	120.0K 1/4 J (HF458120)		401, 501, 601 701, 801: FI102, 202, 302	85k BP (VP764800)
3.	CERAMIC TUBULAR CA C130, 230, 330, 430:	PX 3900P 16V N (VG279700)		312, 324, 412, 424 512, 524, 612, 624 712, 724, 812, 824:	1.0 1/4 J (HF453100)		402, 502, 602 702, 802: FI103, 203, 303	16k LPF (VR121000)
4.	CERAMIC TUBULAR CA C116, 152, 216, 316			R113, 161, 162, 213 313, 413, 513, 613	1.0 1/4 3 (111 433 100)		403:	85k (VQ033400)
	416:	0.022 25V Z (VG280100)		713, 813: R114, 125, 148, 158	47.0K 1/4 J (HF457470)	13.	TRIMMER POTENTIOME VR101, 201, 301 401, 501, 601	TER
5.	ELECTROLYTIC CAP. C103, 121, 203, 221 303, 321, 403, 421 503, 603, 703, 803:	10.00 25.0V (VE018300)		214, 225, 248, 258 259, 314, 325, 348 358, 414, 425, 448			701, 801: VR102, 202, 302 402, 502, 602	B 150.0K 3P (VJ694300)
	C104, 204, 304, 404 504, 604, 704, 804:	100.00 25.0V (VE010500)		458, 459, 514, 614 714, 814: R116, 117, 216, 217	1.0K 1/4 J (HF456100)		702, 802: VR103, 203, 303	B 3.3K 3P (VJ693300)
	C106, 109, 206, 209 306, 309, 406, 409 506, 509, 606, 609	47.00.40.0\/.\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/		316, 317, 416, 417 516, 517, 616, 617 716, 717, 816, 817:	220.0 1/4 J (HF455220)		403, 503, 603 703, 803: VR104, 204, 304	B 10.0K 3P (VJ693600)
	706, 709, 806, 809: C110, 126, 137, 157 210, 226, 237, 310	47.00 16.0V (VE017800)		R118, 137, 141, 167 218, 237, 241, 267 318, 337, 341, 367			404, 504, 604 704, 804: VR105, 205, 305	B 22.0K 3P (VJ693800)
	326, 337, 410, 426 437, 510, 610, 710 810:	10.00 25.0V (VG288500)		418, 437, 441, 467 518, 567, 618, 667 718, 767, 818, 867:	2.2K 1/4 J (HF456220)	14.	405: TRANSISTOR	B 4.7K 3P (VJ693400)
	C127, 132, 155, 156 227, 232, 327, 332 427, 432:	47.00 25.0V (VG288800)		R122, 222, 322, 422 522, 622, 722, 822:	22.0 1/4 J (HF454220)		Q102~104, 202~204 302~304, 402~404 502, 503, 602, 603	
	C131, 136, 140, 231 236, 240, 331, 336			R132, 232, 332, 432: R134, 234, 334, 434: R135, 235, 335, 435:	15.0K 1/4 J (HF457150) 30.0K 1/4 J (HF457300) 1.5K 1/4 J (HF456150)		702, 703, 802, 803: Q106, 206, 306, 406	2SD1915(F) S, T (VK432900)
	340, 431, 436, 440: C138, 238, 338, 438: C144, 244, 344, 444:	22.00 25.0V (VG288600) 0.33 50.0V (VG290200) 2.20 50.0V (VG290600)		R136, 236, 336, 436: R140, 240, 340, 440: R142, 144, 166, 242	1.8K 1/4 J (HF456180) 6.8K 1/4 J (HF456680)	15.	506, 606, 706, 806: DIODE	2SD1858 TV2 Q, R (VE613400)
	C148, 149, 153, 154: C150, 151:	100.00 25.0V (VG288900) 330.00 16.0V (VG287800)		244, 266, 342, 344 366, 442, 444, 466 542, 544, 566, 642			D101, 102, 201, 202 301, 302, 401, 402 501, 502, 601, 602	
6.	COIL L101, 201, 301, 401 501, 601, 701, 801: L102, 202, 302, 402:	1.2mH (VP764300) 47mH(473S) (VQ522800)		644, 666, 742, 744 766, 842, 844, 866: R153, 253, 353, 453: R163:	10.0K 1/4 J (HF457100) 1.0M 1/4 J (HF459100) 39.0K 1/4 J (HF457390)	16.	701, 702, 801, 8022: DIGITAL TRANSISTOR Q105, 107, 108, 110	1SS133 T-77 (IF004600)
	L103, 203, 303, 403: L104, 105:	39mH(393S) (VR012700) 1mH 260mA (VP764400)	8.	FLAME PROOF C. RESIS R171, 172:			112, 113, 205, 207 208, 210, 305, 307 308, 310, 405, 407 408, 410, 505, 507 605, 607, 705, 707	
							805, 807: Q109, 114, 209, 309	DTA124ES TP (VH257100)
							409:	DTC114ES (VD678700)

17. BASE PIN IN STICK CN101: CN102: CN104: CN105: CN107: CN109: CN110: CN111: CN112: CN114: CN116: CN201: CN202: CN202: CN203: CN301: CN302: CN401: CN402: CN402: CN402: CN403: CN402: CN403: CN502: CN602: CN702: CN702: CN702: CN702: CN802:	PH 8P TE (VD005100) to DEC-CN107 PH 3P TE (VD004600) to DEC-CN122 PH 6P TE (VD004900) to SUB-CN12 PH 3P TE (VD004600) to SUB-CN9 PH 2P TE (VD004500) No Connection PH 6P TE (VD004600) to SUB-CN13 PH 3P TE (VD004600) to SUB-CN7 PH 6P TE (VD004600) to SUB-CN14 PH 3P TE (VD004600) to SUB-CN9 PH 2P TE (VD004500) No Connection PH 3P TE (VD004600) to SUB-CN8 PH 3P TE (VD004600) to SUB-CN10 PH 3P TE (VD004600) to SUB-CN10 PH 3P TE (VD004600) to SUB-CN10
CN802:	PH 3P TE (VD004600) to SUB-CN10

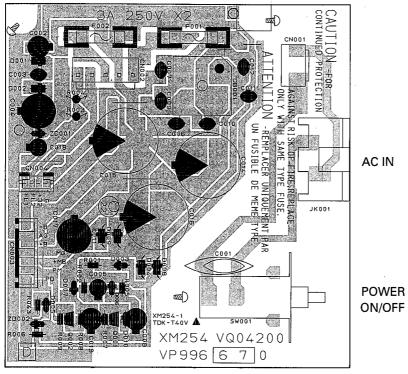
18. CONNECTOR ASSEMBLY
CN115: ENC GND
CN120: ENC PB OUT

19. B&C CONNECTOR ASSEMBLY

19. B&C CONNECTOR ASSEMBLY
CN106: PH30 5P 250 (VM021100) to MIX-CN21
CN108: PH29 4P 250 (VM019400) to MIX-CN22
CN113: PH37 9P 100 (VM027300) to MIX-CN26
CN117: PH42 3P 250 (VM002400)
CN118: PH59 4P 250 (VM004100)
CN119: PH80 5P 450 (VM006200)

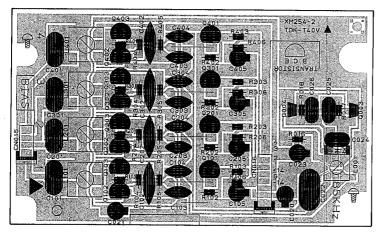
#### • SUB Circuit Board

#### **SUB 1/4**



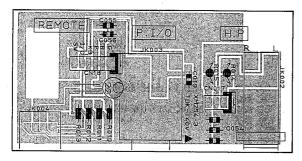
Components side (部品側)

### **SUB 2/4**



Components side (部品側)

## **SUB 3/4**



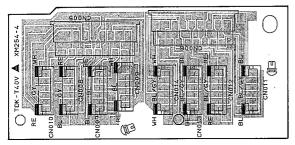
REMOTE CONTROL

PUNCH I/O

**PHONES** 

Components side (部品側)

### **SUB 4/4**



Components side (部品側)

#### Notes)

vote	5)				
	CIRCUIT BOARD : CIRCUIT BOARD : CIRCUIT BOARD :	SUB XM254D0 SUB 1/4 (NX812340) J SUB 1/4 (NX812350) U, C, V		PUSH SWITCH SW 1:	ESB82 TV-3 (VQ040100) POWER
	CIRCUIT BOARD : CIRCUIT BOARD : CIRCUIT BOARD : CIRCUIT BOARD :	SUB 1/4 (NX812360) H, B, W SUB 2/4 (NX812370) SUB 3/4 (NX812380) SUB 4/4 (NX812390)		FUSE F 1, 2: F1, 2:	3.00A (KB003590) J, U, C, V 2.00A (KB003070) H, B, W
1.	MYLAR CAP. C24: C25, 26:	4700P 50V J (UA653470) 1000P 50V J (UA653100)	12.	PHONE JACK JK 2: JK 3:	YKB21-5009 (VL080300) PHONES YKB21-5076 (VL080500) PUNCH I/O
2.	POLYPROPYLENE FILM C22: C101, 201, 301, 401:	CAP. 1000P 100V J (UT653100) 5600P 100V J (UT653560)	13.	AC INLET JK 1: JK 1:	M1779-B (VL327300) J, H, B, W M1770-A (VI042900) U, C, V
3.	CERAMIC CAP. C 1: C 1:	0.01 250V (VA891300) J 0.010 400V (FI384100) U, C, V	14.	DIN JACK JK 4:	8P CMS 5008 (VL105500) REMOTE CONTROL
	C102, 202, 302, 402: C103, 104, 203, 204 303, 304, 403, 404:	150P 50V J (VA777500)  100P 50V J (VA761800)		FUSE HOLDER TRANSISTOR	EYF-52BC (VP206500)
4.	CERAMIC CAPF C 3, 6, 7, 9, 10, 11	0.0100 50V Z (FG644100)	10.	Q 1, 3, 4: Q 2: Q101, 201, 301, 401: Q102, 103, 202, 203	2SC2603 E, F (IC260320) 2SA933S Q, R (IA093320) 2SC2878 A, B (IC287820)
5.	CERAMIC TUBULAR CAI	PF		302, 303, 402, 403:	2SC1318 R, S (VQ032900)
6	C19: C54~56: ELECTROLYTIC CAP.	0.022 25V Z (VG280100) 0.1 50V Z (VJ599100)	17.	DIODE D 1, 2: D 3, 5-7, 10: D 4, 8, 9, 11:	1SR139-100 T-32 (VH770800) 1SS133 T-77 (IF004600) 1SR139-100 T-62 (VH801600)
0.	C 2, 13: C 4: C 5: C 8:	100.00 25.0V (VG288900) 220.00 50.0V (UJ868220) 4.700 25.0V (VG288400) 220.00 6.3V (VG286300)	18.	DIODE STACK DB 1:	S4VB20 2.6A 200 (IH001090)
	C14-16: C17: C18, 21: C20, 23:	4700 25.0V (VK181300) 470.00 25.0V (UJ848470) 10.00 50.0V (VG290900) 10.00 25.0V (VG288500)	19.	ZENER DIODE ZD 1: ZD 2:	MTZ J 4.7C 4.7V (VG437200) MTZ J 5.1A 5.1V (VG437300)
7.	C105, 205, 305, 405: COIL L 1:	4.70 50.0V (VG290800) 85KHZ P-P (VP764500)	20.	BASE POST CONNECTO CN 1: CN 2: CN 3:	R VA 2P TE (VG879900) to P.T. primary VH 5P TE (LB932050) to P.T. secondary XH 7P TE (LB918070) to MIX-CN25
. Q	L101, 201, 301, 401: CARBON RESISTOR	85KHZ (VP769100)	21.	BASE PIN IN STICK CN 4:	
<b>.</b>	R 1, 6: R 2: R 5: R 7: R 8: R 9, 103, 203, 303 403: R10: R11:	1.0K 1/4 J (HF456100) 4.7K 1/4 J (HF456470) 47.0K 1/4 J (HF457470) 27.0K 1/4 J (HF457270) 1.8K 1/4 J (HF456180) 10.0K 1/4 J (HF457100) 3.9K 1/4 J (HF456390) 5.6K 1/4 J (HF456560)		CN 7: CN 8: CN 9: CN10: CN11:	PH 4P TE (VD004700) to MAS-CN46 PH 6P TE (VD004900) to ENC-CN102, 302 PH 6P TE (VD004900) to ENC-CN502, 702 PH 6P TE (VD004900) to ENC-CN202, 402 PH 6P TE (VD004900) to ENC-CN602, 802 PH 6P TE (VD004900) to ENC-CN101 PH 6P TE (VD004900) to ENC-CN201 PH 6P TE (VD004900) to ENC-CN301 PH 6P TE (VD004900) to ENC-CN401
	R12: R13: R16, 101, 201, 301 401:	13.0K 1/4 J (HF457130) 36.0K 1/4 J (HF457360) 100.0 1/4 J (HF455100)	22.	BASE PIN CN 5: CN 6:	FPC 16P SE (VP534700) to ERACE HEAD FPC 16P SE (VP534700) to REC/PLAY HEAD
	R17, 18: R43: R102, 202, 302, 402: R104, 105, 204, 205 304, 305, 404, 405: R106, 206, 306, 406:	220.0K 1/4 J (HF458220) 2.7K 1/4 J (HF456270) 22.0K 1/4 J (HF457220) 470.0K 1/4 J (HF458470) 33.0K 1/4 J (HF457330)	23.	PH CONNECTOR ASSEM CN15: CN16: CN17: CN18:	BLY 4P 70mm B&C (VB709900) to ENC-CN104 7P 120mm B&C (VB715200) to ENC-CN105 3P 300mm B&C (VB709000) to MAS-CN41 6P 70mm B&C (VB713300) to MIX-CN30
9.	FLAME PROOF C. RESIS R 3, 4: R14, 15:				