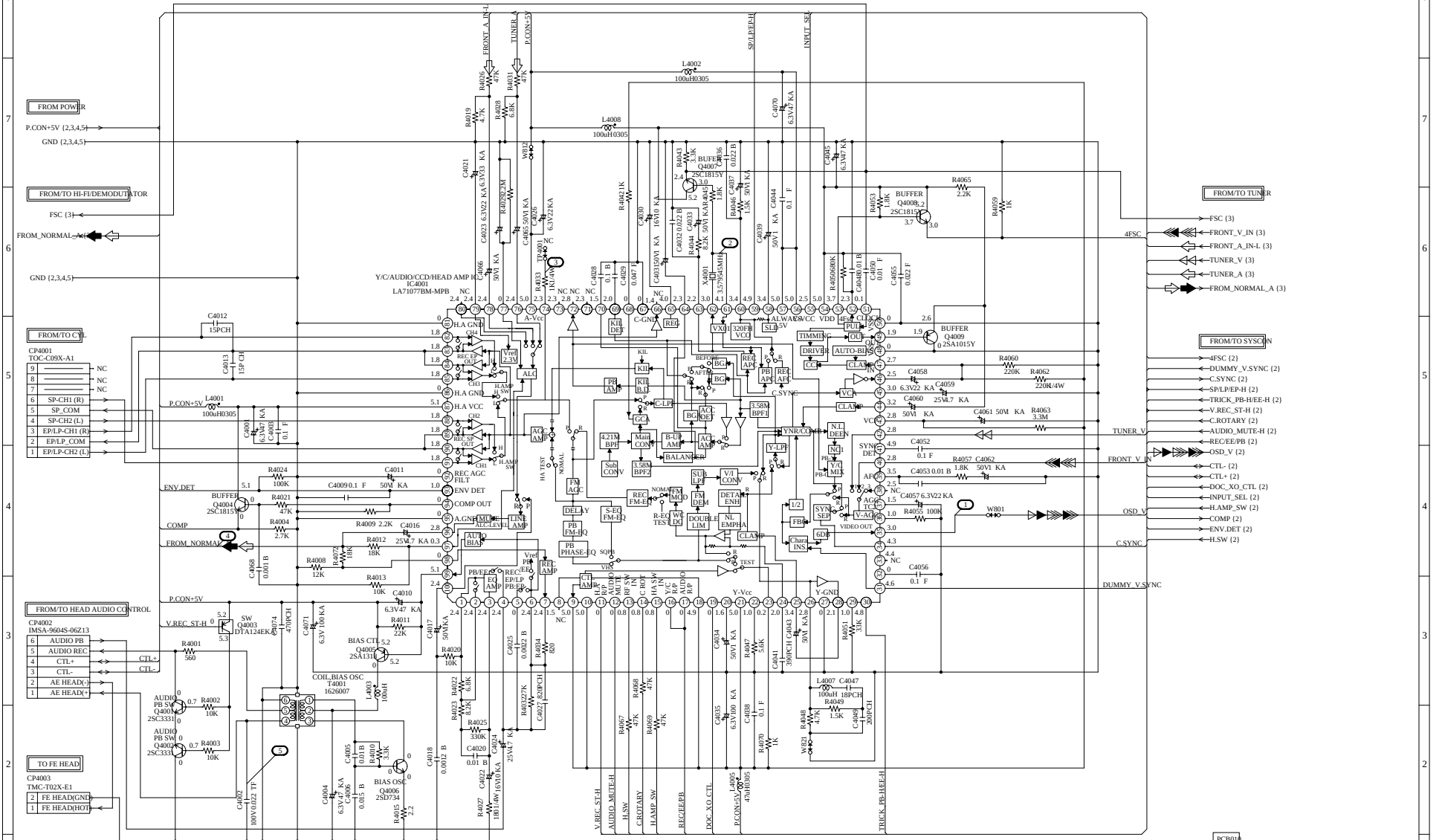


Y/C/AUDIO/CCD/HEAD AMP SCHEMATIC DIAGRAM (SYSCON PCB)



NOTES: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.
THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

- ▶ RECORD COLOR SIGNAL
- ▶ RECORD LUMINANCE SIGNAL
- ▶ AUDIO SIGNAL (REC)
- ▶ AUDIO SIGNAL (PB)
- ▶ PLAYBACK COLOR SIGNAL
- ▶ PLAYBACK LUMINANCE SIGNAL
- ▶ TUNER VIDEO SIGNAL

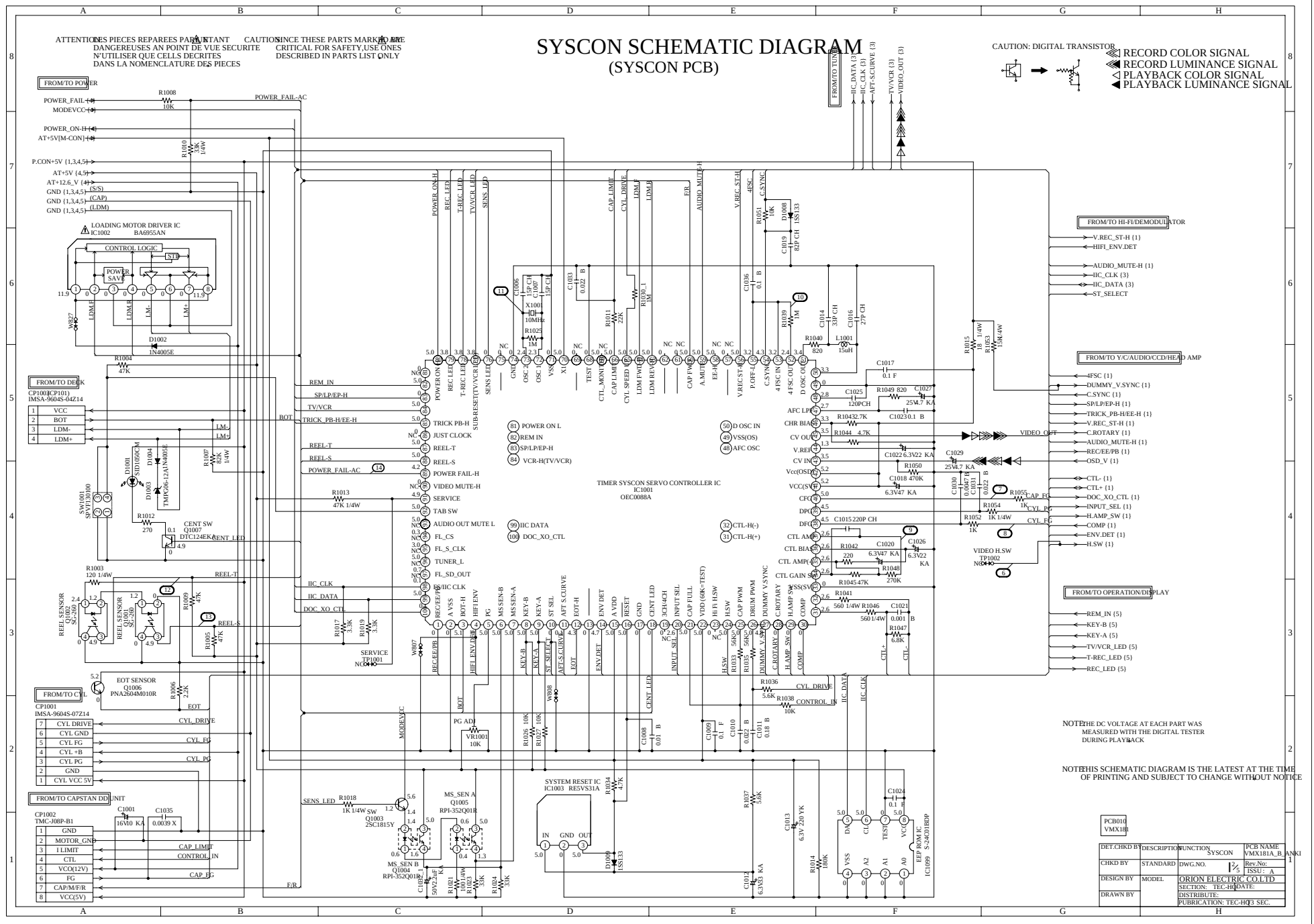
PCB011 VMX111		DET. CHKD BY	DESCRIPTION	FUNCTION	PCB NAME
CHKD BY	STANDARD	DWG. NO.	1/2	Rev. No.	Y/C/AUDIO/CCD/HEAD VMX111A_B_ANK1
DESIGN BY	MODEL	SECTION	TEC-HQ3	DATE	1
DRAWN BY		DISTRIBUTE			
		PUBLICATION	TEC-HQ3 SEC.		

SYSCON SCHEMATIC DIAGRAM (SYSCON PCB)

CAUTION: DIGITAL TRANSISTOR



▶▶▶ RECORD COLOR SIGNAL
▶▶▶ RECORD LUMINANCE SIGNAL
▶▶▶ PLAYBACK COLOR SIGNAL
▶▶▶ PLAYBACK LUMINANCE SIGNAL



DET.CHKD BY	DESCRIPTION	FUNCTION	PCB NAME
CHKD BY	STANDARD	DWG.NO.	Rev.No: A
DESIGN BY	MODEL	ORION ELECTRIC COLTD	ISSU: A
DRAWN BY		SECTION: TEC-HQ	DATE:
		DISTRIBUTE:	
		PUBICATION: TEC-HQ3 SEC.	

TUNER SCHEMATIC DIAGRAM
(SYSCON PCB)

NOTE: THE DC VOLTAGE AT EACH PART MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK

ATTENTION: LES PIÈCES RÉPARÉES PAR UN
DANGEREUSES AU POINT DE VUE SÉCURITAIRE.
N'UTILISER QUE DES CELLULES DÉCRITES
DANS LA NOMENCLATURE DES PIÈCES.

◀◀ PLAYBACK LUMINANCE SIGNAL
 ◀◀ RECORD LUMINANCE SIGNAL
 ◀◀ PLAYBACK COLOR SIGNAL
 ◀◀ RECORD COLOR SIGNAL
 ◀◀ AUDIO SIGNAL (REC)
 ◀◀ AUDIO SIGNAL (PB)
 ◀◀ TUNER VIDEO SIGNAL

DET.CHKD BY	DESCRIPTION	FUNCTION	PCB NAME
CHKD BY	STANDARD	DWG.NO.	VMX181A_B
DESIGN BY	MODEL	ORION ELECTRIC CO.LTD	
DRAWN BY		SECTION: TEC-HQ DATE: 09/90	
		DISTRIBUTE:	
		PUBLICATION: TEC-HQ 1/3 SEC.	

POWER SCHEMATIC DIAGRAM
(SYSCON PCB)

The diagram illustrates the power supply and control circuitry for the SYSCON PCB. It begins with an AC input (AC120V 60Hz) connected to a fuse (F501, 1.6A 250V) and a thermal protector (THL-P03P-B1). The power is then regulated through a series of components including diodes (D505, D508, D523, D528, D515, D514, D512, D519, D1006, D1005), capacitors (C501, C502, C503, C504, C505, C507, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778, C779, C780, C781, C782, C783, C784, C785, C786, C787, C788, C789, C790, C791, C792, C793, C794, C795, C796, C797, C798, C799, C800, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C889, C890, C891, C892, C893, C894, C895, C896, C897, C898, C899, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914, C915, C916, C917, C918, C919, C920, C921, C922, C923, C924, C925, C926, C927, C928, C929, C930, C931, C932, C933, C934, C935, C936, C937, C938, C939, C940, C941, C942, C943, C944, C945, C946, C947, C948, C949, C950, C951, C952, C953, C954, C955, C956, C957, C958, C959, C960, C961, C962, C963, C964, C965, C966, C967, C968, C969, C970, C971, C972, C973, C974, C975, C976, C977, C978, C979, C980, C981, C982, C983, C984, C985, C986, C987, C988, C989, C990, C991, C992, C993, C994, C995, C996, C997, C998, C999, C1000, C1001, C1002, C1003, C1004, C1005, C1006, C1007, C1008, C1009, C1010, C1011, C1012, C1013, C1014, C1015, C1016, C1017, C1018, C1019, C1020, C1021, C1022, C1023, C1024, C1025, C1026, C1027, C1028, C1029, C1030, C1031, C1032, C1033, C1034, C1035, C1036, C1037, C1038, C1039, C1040, C1041, C1042, C1043, C1044, C1045, C1046, C1047, C1048, C1049, C1050, C1051, C1052, C1053, C1054, C1055, C1056, C1057, C1058, C1059, C1060, C1061, C1062, C1063, C1064, C1065, C1066, C1067, C1068, C1069, C1070, C1071, C1072, C1073, C1074, C1075, C1076, C1077, C1078, C1079, C1080, C1081, C1082, C1083, C1084, C1085, C1086, C1087, C1088, C1089, C1090, C1091, C1092, C1093, C1094, C1095, C1096, C1097, C1098, C1099, C1100, C1101, C1102, C1103, C1104, C1105, C1106, C1107, C1108, C1109, C1110, C1111, C1112, C1113, C1114, C1115, C1116, C1117, C1118, C1119, C1120, C1121, C1122, C1123, C1124, C1125, C1126, C1127, C1128, C1129, C1130, C1131, C1132, C1133, C1134, C1135, C1136, C1137, C1138, C1139, C1140, C1141, C1142, C1143, C1144, C1145, C1146, C1147, C1148, C1149, C1150, C1151, C1152, C1153, C1154, C1155, C1156, C1157, C1158, C1159, C1160, C1161, C1162, C1163, C1164, C1165, C1166, C1167, C1168, C1169, C1170, C1171, C1172, C1173, C1174, C1175, C1176, C1177, C1178, C1179, C1180, C1181, C1182, C1183, C1184, C1185, C1186, C1187, C1188, C1189, C1190, C1191, C1192, C1193, C1194, C1195, C1196, C1197, C1198, C1199, C1200, C1201, C1202, C1203, C1204, C1205, C1206, C1207, C1208, C1209, C1210, C1211, C1212, C1213, C1214, C1215, C1216, C1217, C1218, C1219, C1220, C1221, C1222, C1223, C1224, C1225, C1226, C1227, C1228, C1229, C1230, C1231, C1232, C1233, C1234, C1235, C1236, C1

The diagram illustrates the transformation of a transistor circuit from a schematic to a physical layout. On the left, a schematic symbol for a transistor is shown with its base, emitter, and collector terminals. An arrow points to the right, where the physical layout of the transistor is shown, including the base, emitter, and collector regions, and the associated electrical connections.

PCB01G VMX181				
DET.CHKD BY	DESCRIPTION	FUNCTION	PCB NAME	ANKI 1
CHKD BY	STANDARD	POWER	VMX181A_B	
DESIGN BY	MODEL	DWG.NO.	Rev.No:	
DRAWN BY			ISSU: A	
		ORION ELECTRIC CO.LTD	DATE:09/90	
		SECTION: TEC-HQ	DISTRIBUTE:	
		PUBICATION: TEC-HQ3SEC.		

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NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

DET.CHKD BY	DESCRIPTION	FUNCTION	PCB NAME
CHKD BY	STANDARD	OPERATION/DISP	Rev. No. 1818A_B
		DWG.NO. 15	ISSU: A
DESIGN BY	MODEL	ORION ELECTRIC CO.LTD	
		SECTION: TEC-HQ	DATE:09/90
DRAWN BY		DISTRIBUTE:	
		PUBICATION: TEC-HQ 3 SEC.	