



Home Theatre System Service Manual

MODEL: HTS-88DVD

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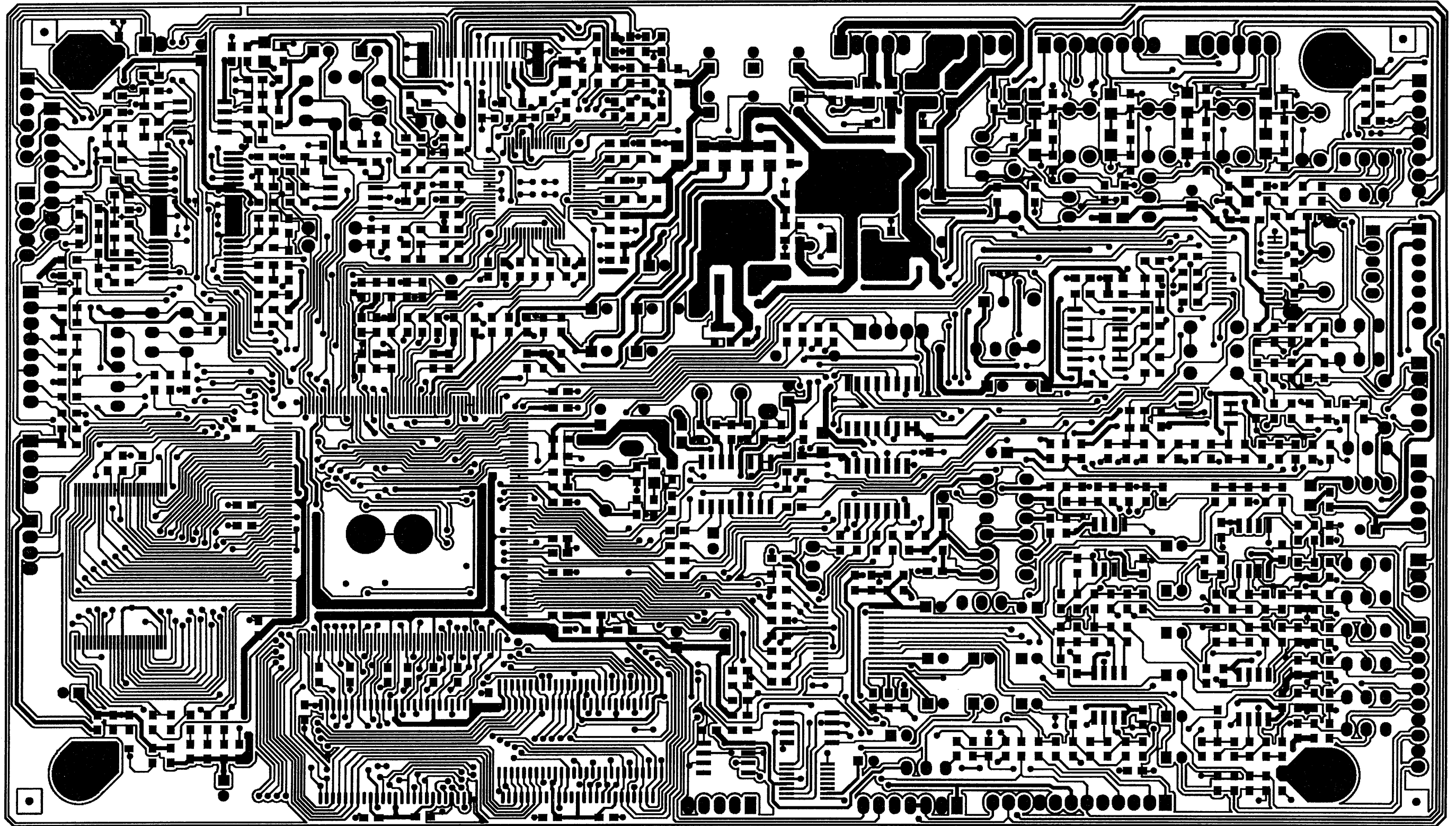
SPECIFICATION

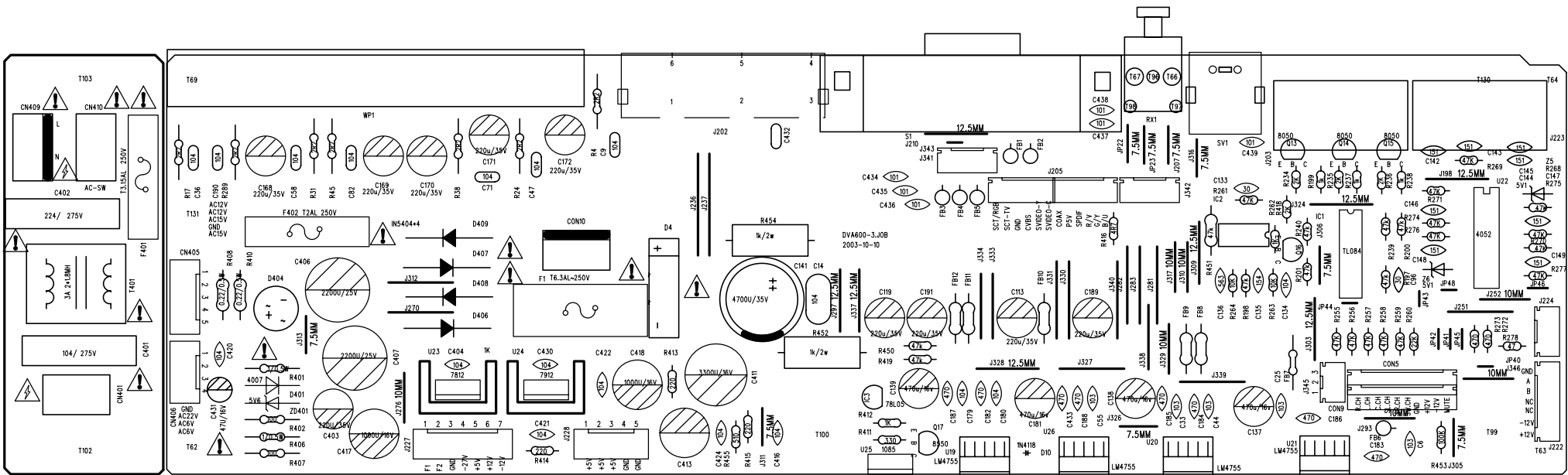
DVD PLAYER	
TV System	NTSC /PAL
Compatible discs	DVD, CD, MP3, CD-R, CD-RW
Resolution Ratio	Greater than 500 lines
Video S/N Ratio	65dB
Frequency Response	Fs (96KHz /24bit) 4Hz – 44KHz : +/-2dB
Audio S/N Ratio	95dB
Degree of distortion	<0.01%
D/A Converter	192KHz /24bit
Video Out	1Vp-p
S-Video Out	Y:1Vp-p (75Ω) C: 0.3Vp-p (75Ω)
Audio Out	2.0V/ +0/-1V 5.1 Channel
Digital Audio Output	Optical, Coaxial
Connections	YUV, CVBS S-Video, 2 Channel Output
FM Tuner	
Tuning Range	87.5-108MHz
S/N Ratio	>46dB
Monophonic	>46dB
Stereo	>50dB (DIN)
Selectance	50dB
THD	
Monophonic	2%
Stereo	3%
Frequency Response	30Hz-10kHz +/-1dB
Stereo Resolution	35dB (1kHz) 30dB (100Hz – 10kHz)
AM Tuner	
Tuning Range	522-1620KHz
S/N Ratio	35dB
THD	3%

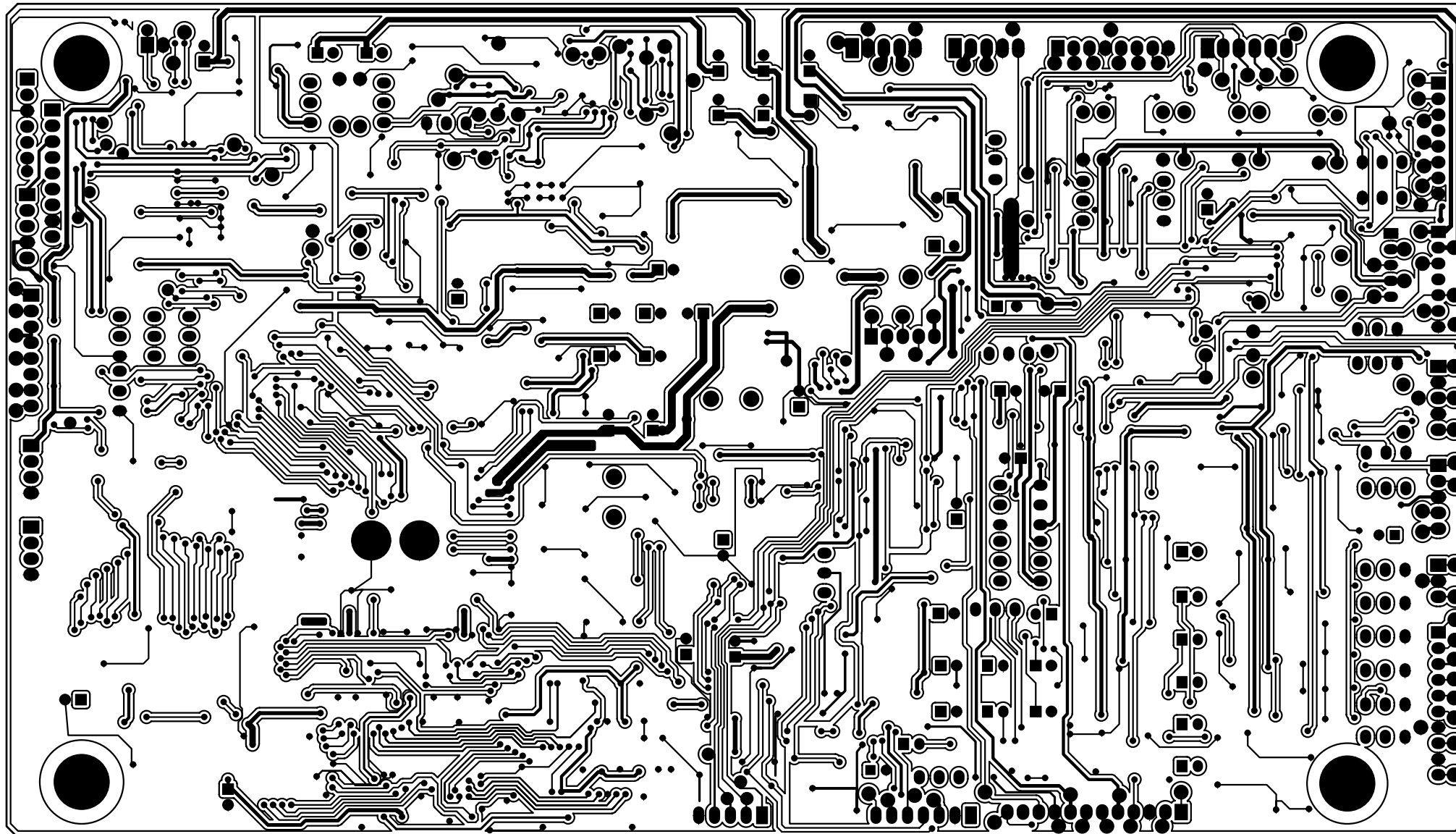
Amplifier	
Output Power	
Main Speaker	10W + 10W (4Ω)
Surround Speakers	10W + 10W (4Ω)
Center Speaker	10W (4Ω)
Subwoofer	20W(8Ω)
Frequency Response	
Main Speakers	200Hz – 20kHz +/-3dB
Surround speakers	200Hz – 20kHz +/-3dB
Center speaker	200Hz – 20kHz +/-3dB
Subwoofer	20Hz – 20Hz +/-3dB
S/N Ratio	>76dB
Input sensitivity	350mv, 47k
Channel resolution	>30dB (normal)
Remote Control	
Transmitter	Infrared Ray
Signal Range	Approximately 15”
Power Source	2 “AAA” batteries
General	
Power supply	AC 220-240V 50Hz
Consumed power	90W

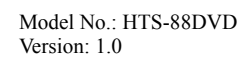
Specification subject to change without prior notice.

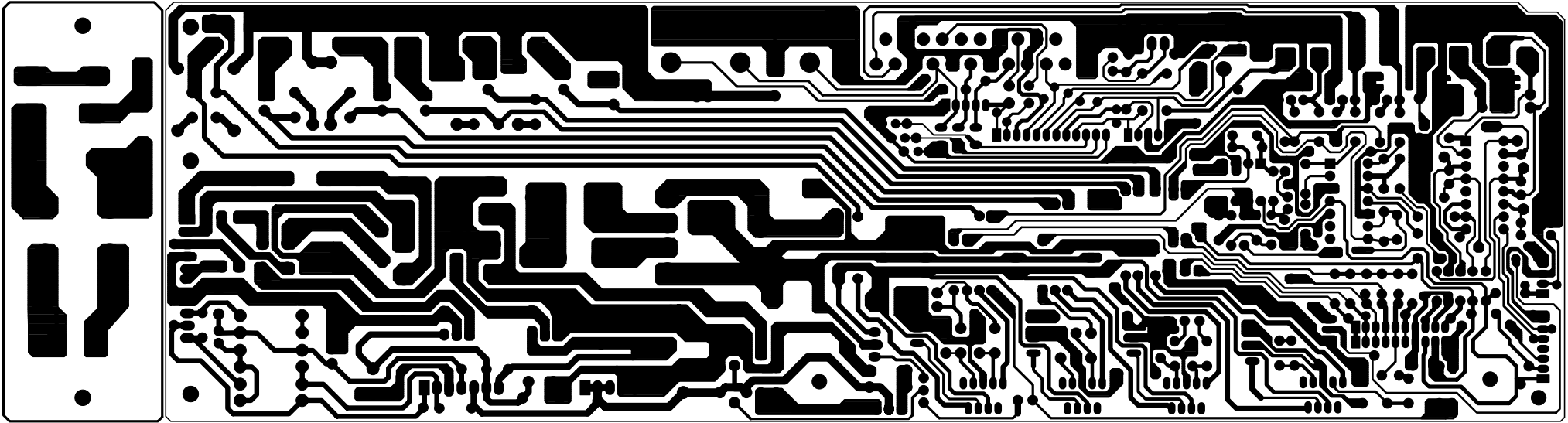
PCB BOARD

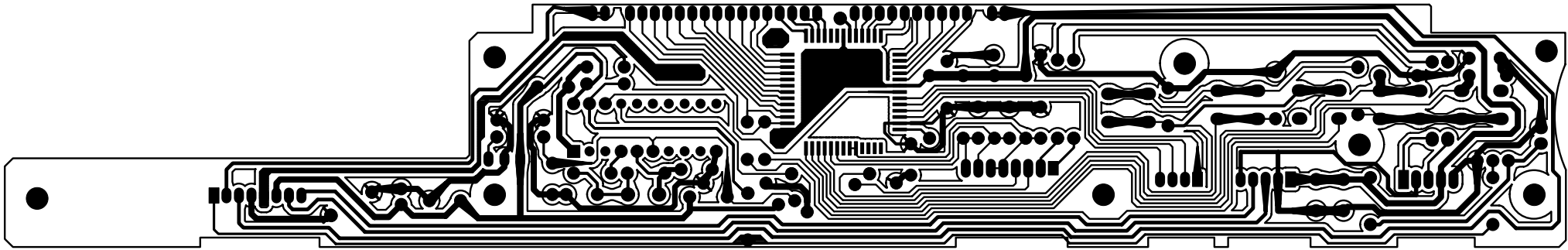


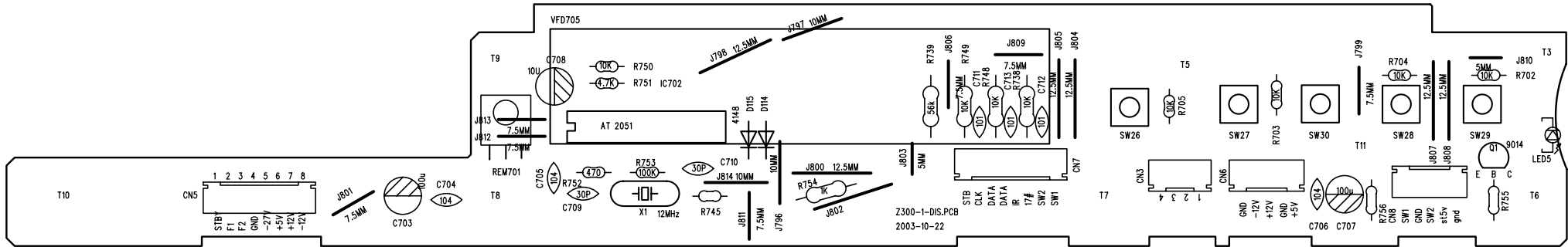






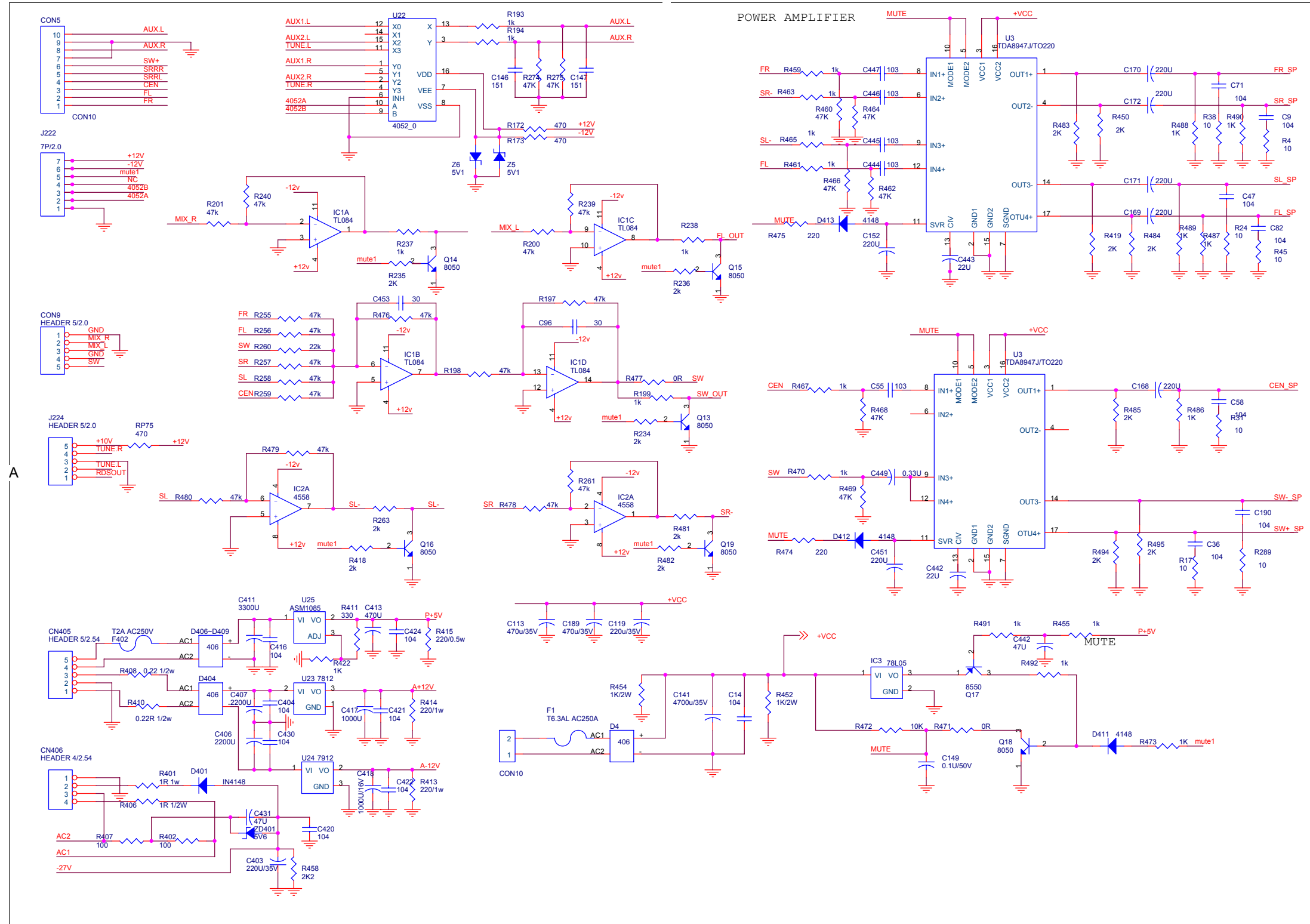




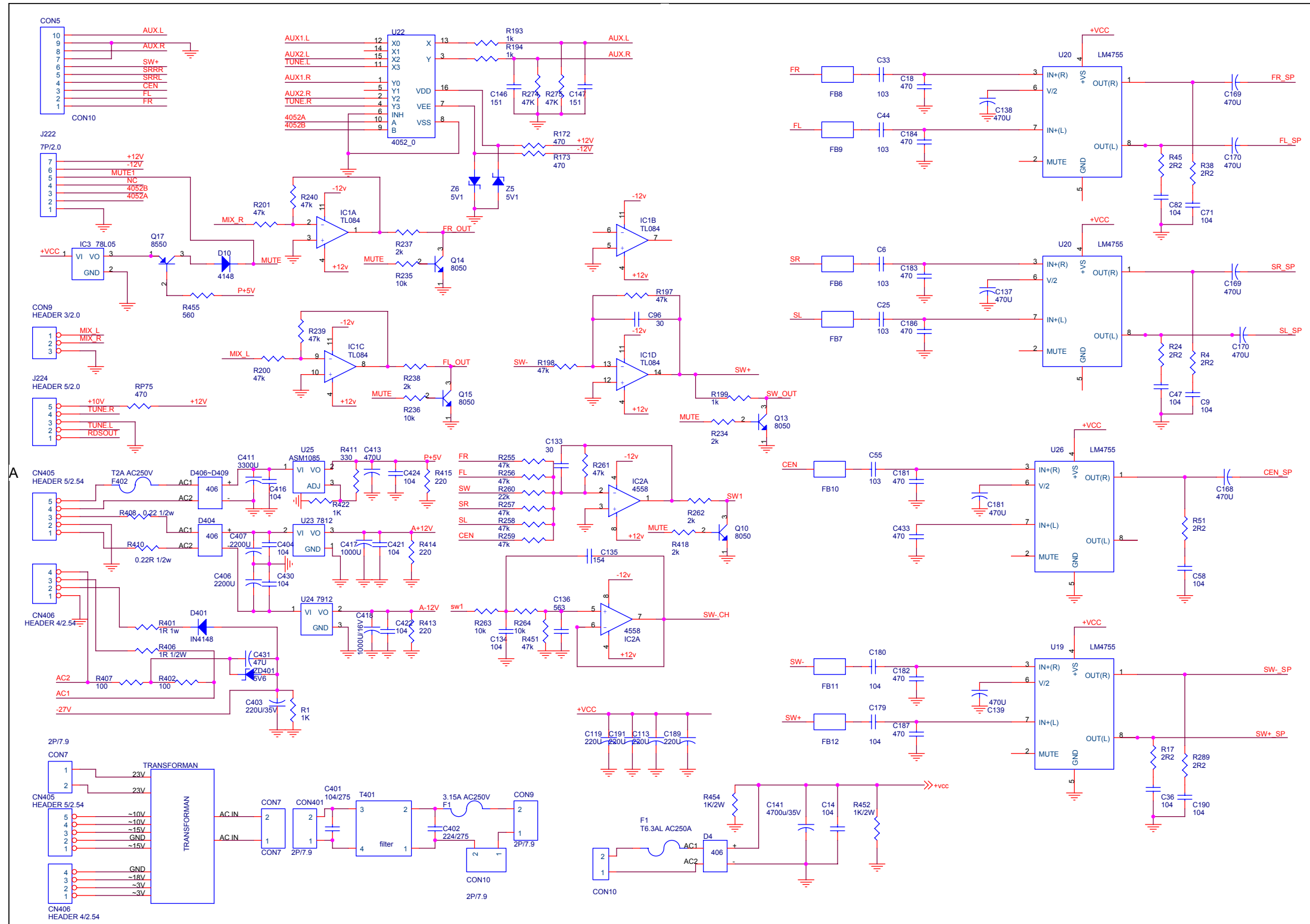


CIRCUIT DIAGRAMS

AMPLIFIER BOARD



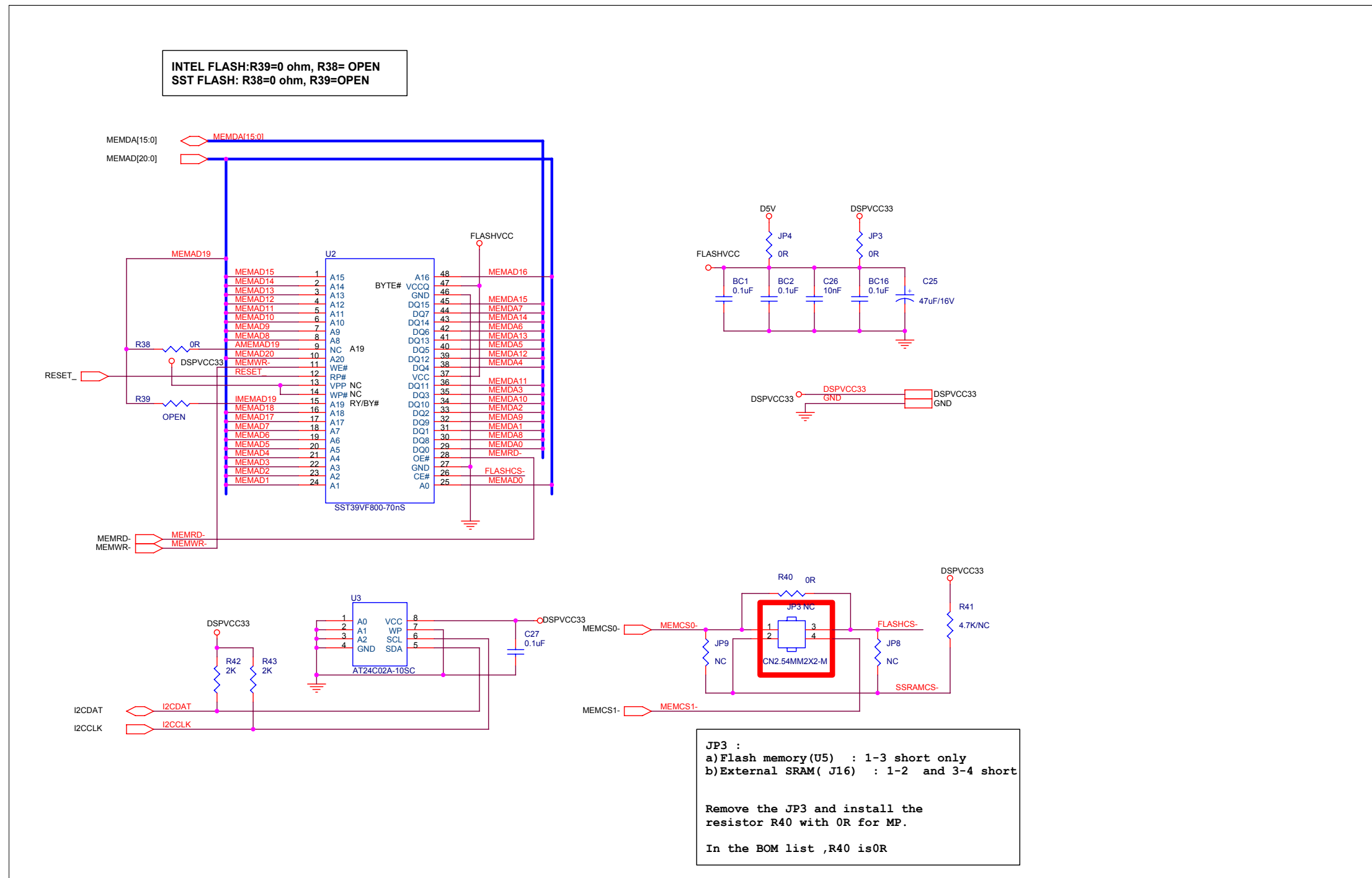
SPEAKER BOARD



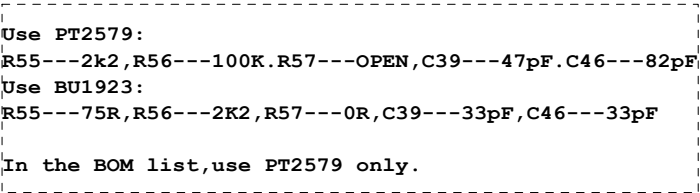
The diagram is a complex electronic schematic for a digital TV receiver. It shows the interconnection of several boards and components:

- Hyper Terminal Port:** Located at the top left, it includes a SW DEBUG Connector and connections for PD5V, DOUTD1, DOUTD0, DOUTD2, and DOUTD3.
- Download Port:** Located below the Hyper Terminal Port, it includes connections for R335, R71, R1, R2, R3, R4, and a BLOCK DIAGRAM.
- Main Circuit Board:** The central part of the diagram, featuring numerous connectors (CN1-CN18) and components (R1-R37, C1-C24, U1). It includes sections for:
 - Micro Board:** Connections for MIC_R, MIC_L, FDIS, MIC_ONFS3, MICCE/FS2, RDS, and +12V.
 - Power Supply:** Connections for +5.0V, GND, +12V, and PA+12V.
 - Audio/Video:** Connections for MAIN_L, MAIN_R, LFE, LFE#, and CVBS1-CVBS4.
 - SCART Switch:** A section at the bottom left with a note to "change the position and value of R35". It includes components like R25, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R7

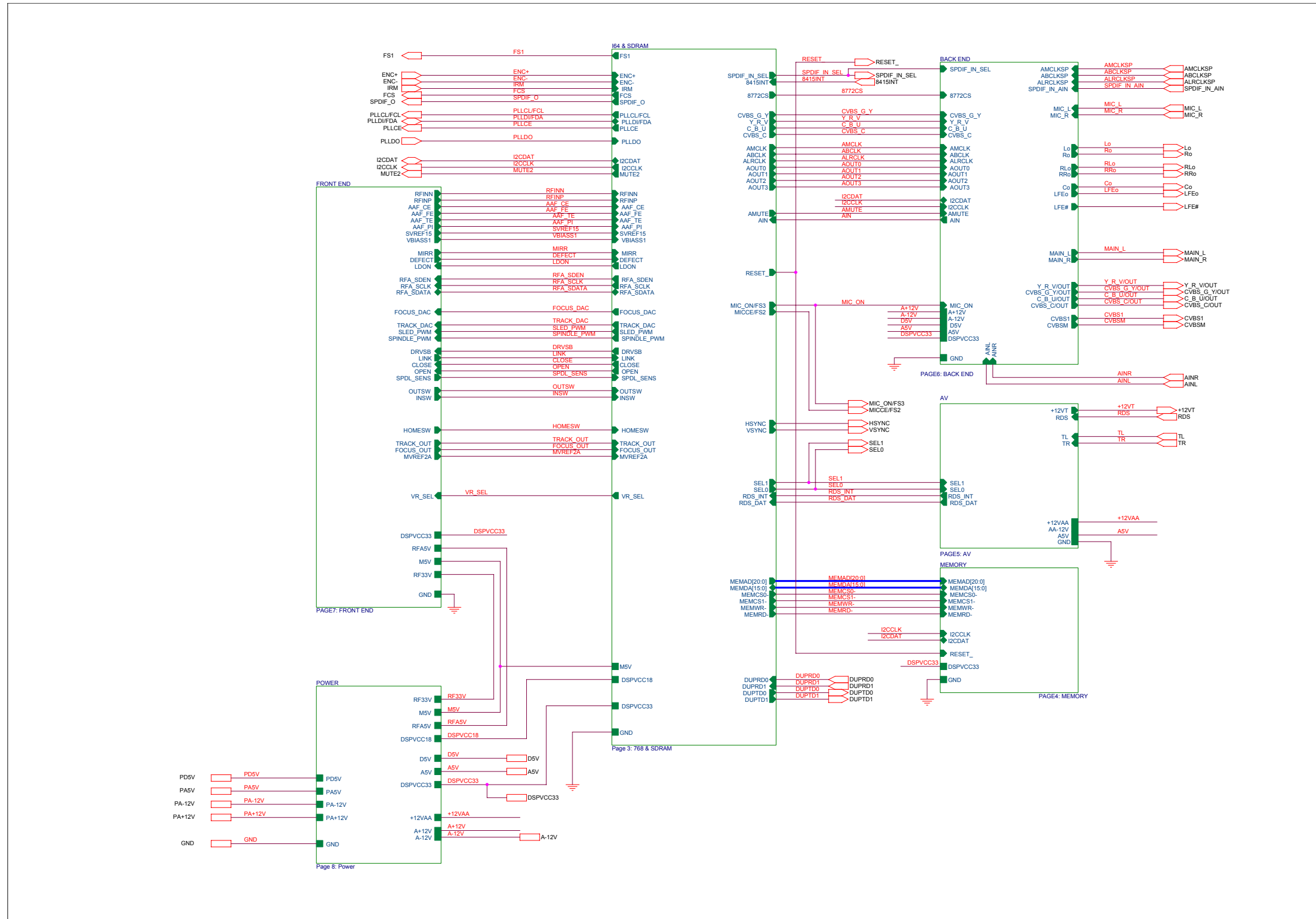
MEMORY



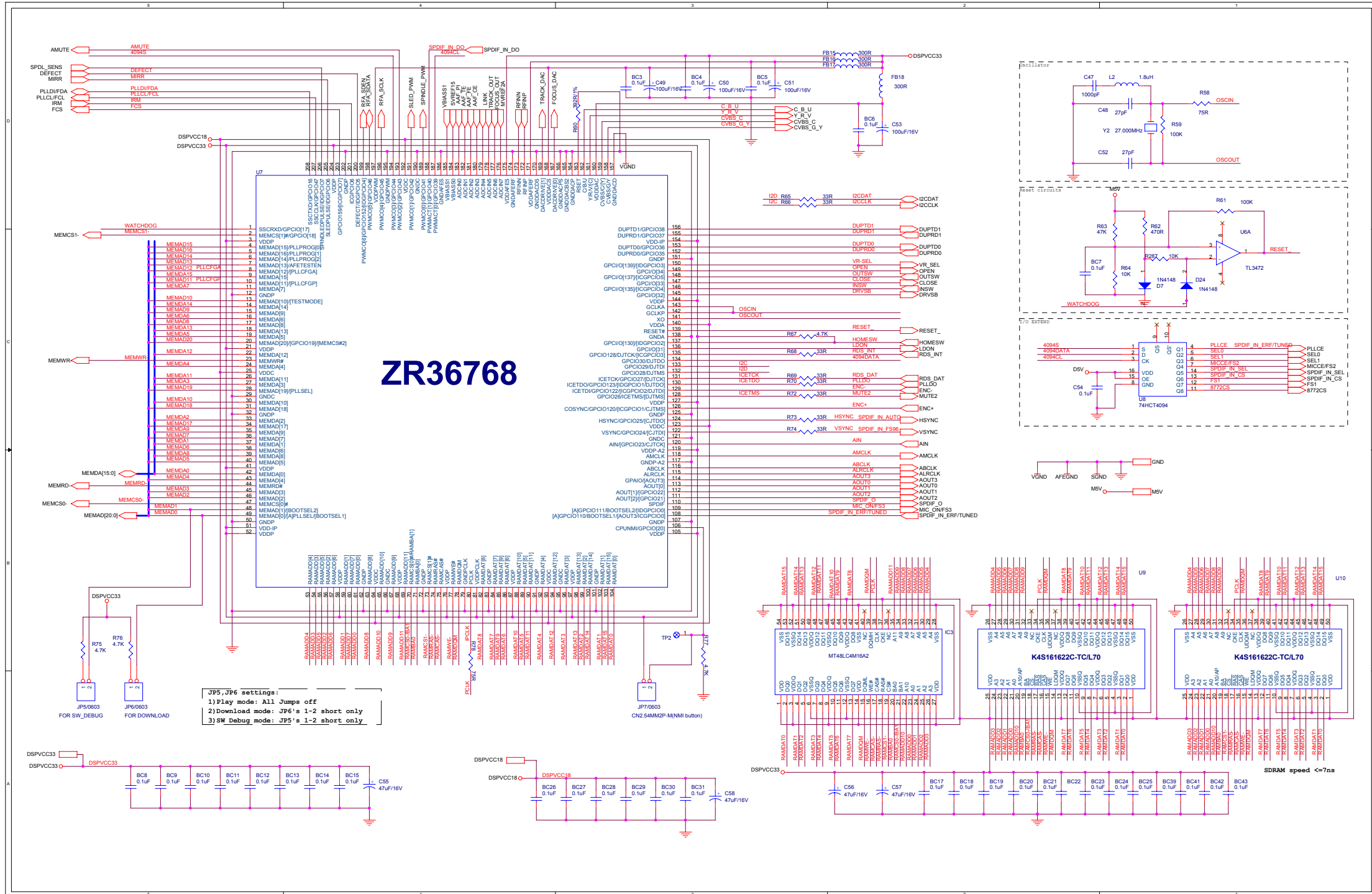
AV



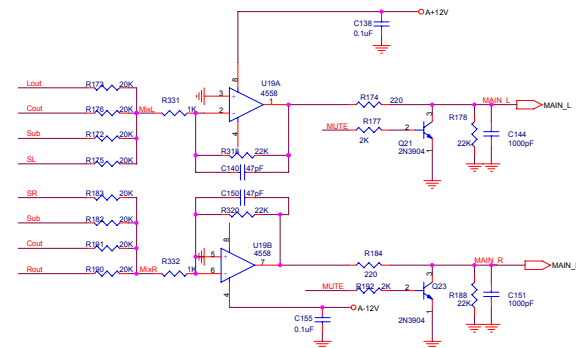
Model No.: HTS-88DVD
Version: 1.0



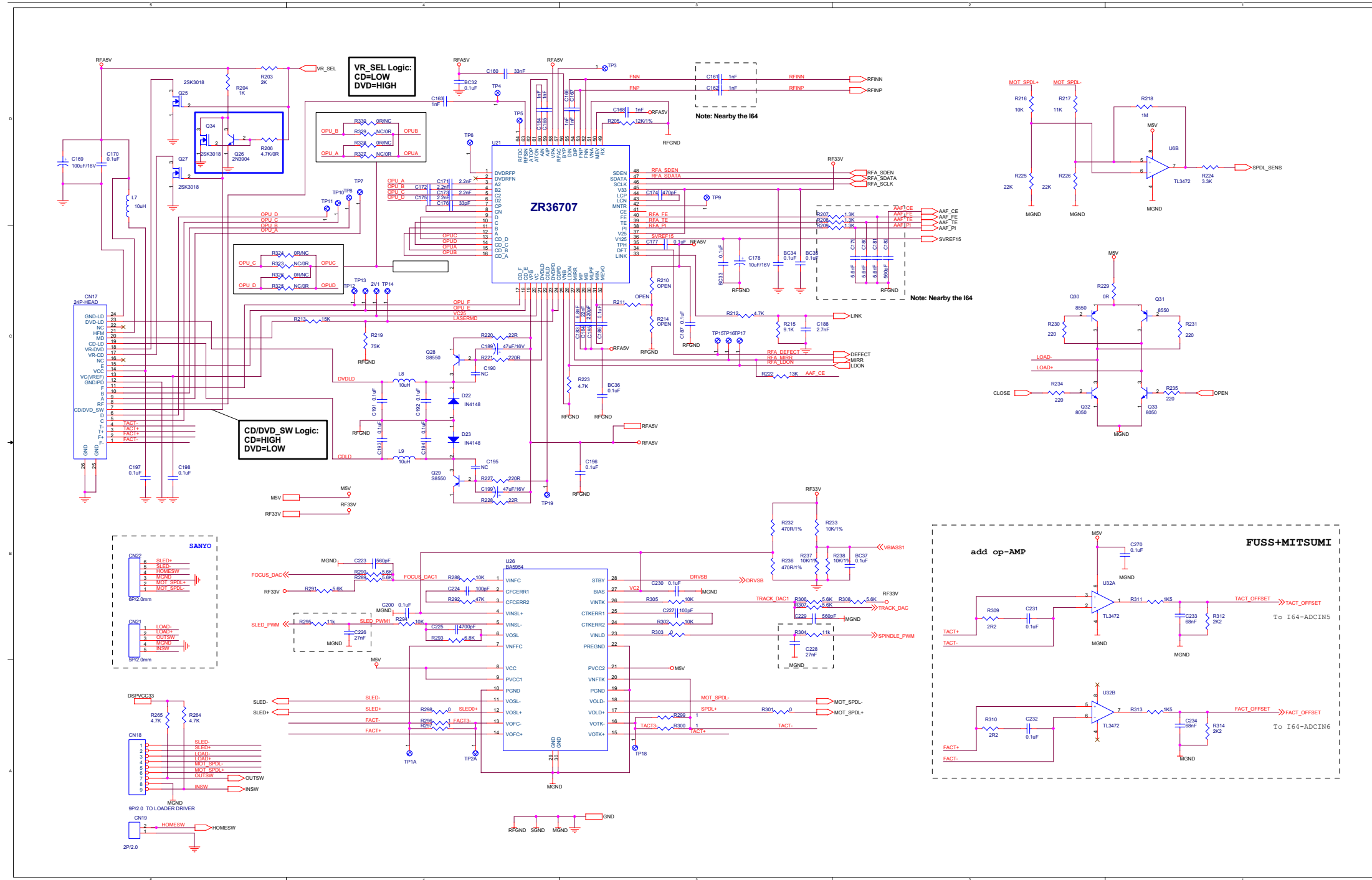
ZR36768 & SDRAM



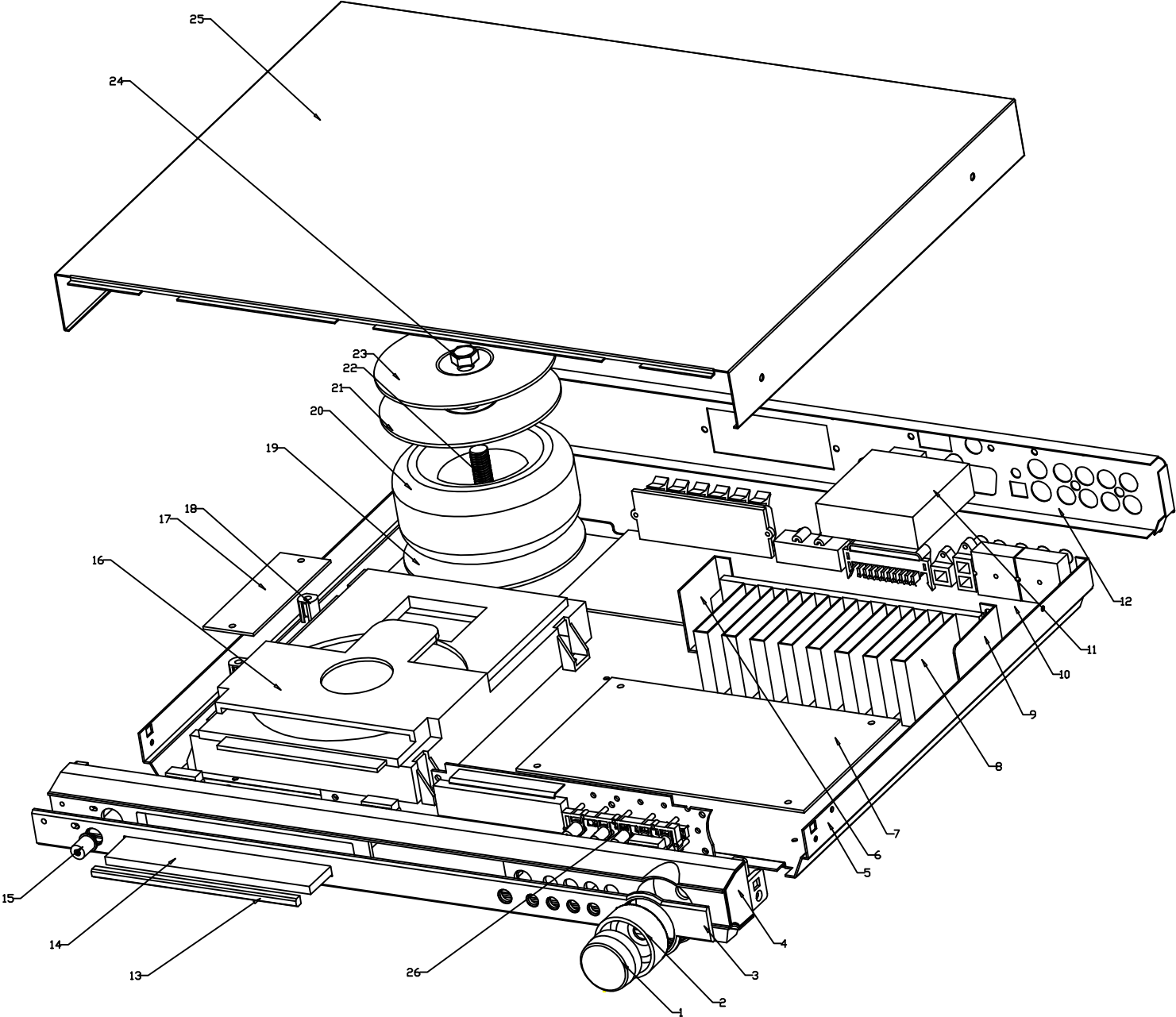
Model No.: HTS-88DVD
Version: 1.0



FRONTEND



EXPLODED VIEW



PART LIST

No	Part Name
1	Volume loop
2	Ornament loop
3	Mirror
4	Front panel
5	Bottom
6	Recorder - PCB
7	Heat sink bracket L
8	Heat sink
9	Heat sink bracket R
10	Output board
11	Tuner
12	Rear
13	Loader-mirror
14	Loader door
15	Power key
16	Loader
17	Power-PCB
18	Plastic pole
19	Rubber cushion
20	Transformer
21	Rubber cushion
22	Screw
23	Iron cushion
24	Screw CAP
25	Top
26	5 - Key

