

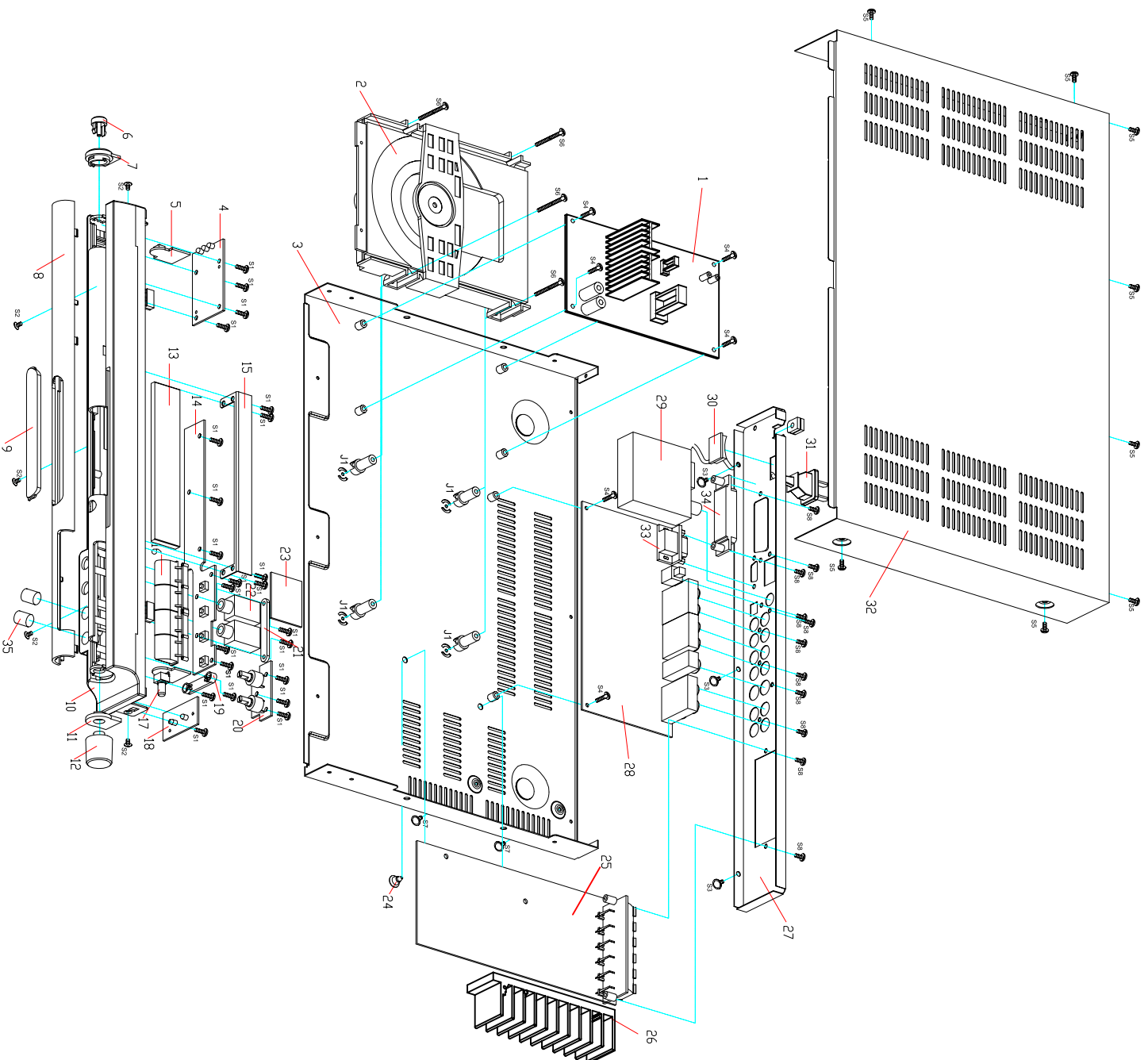


AKAI

DVD HOME THEATER SYSTEM

Model:
DV-R4040VSMK

SERVICE MANUAL



AKA1

MODEL:DV-R4040VSMK

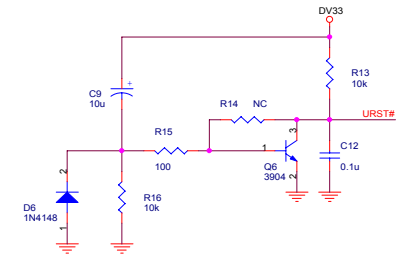
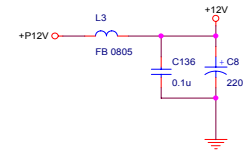
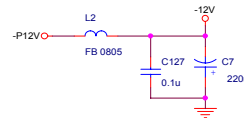
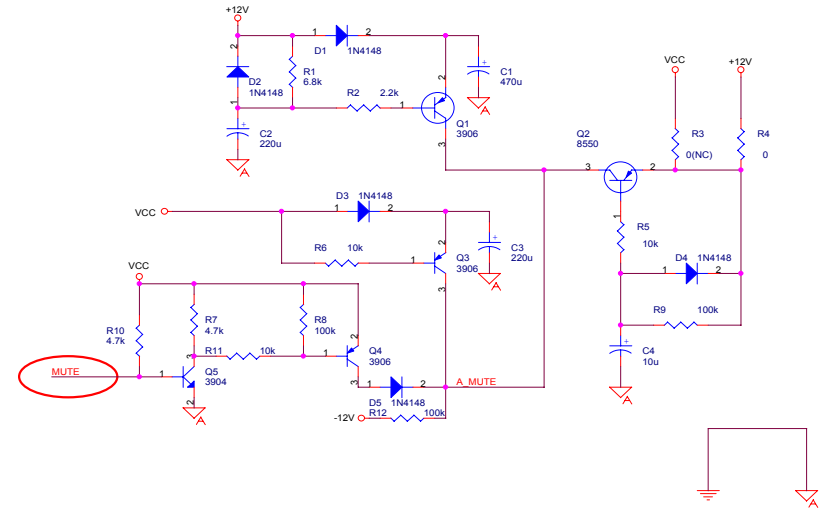
Item	Description	Qty	Item	Description	Qty
30	POWER KEY	1	S1	3×8PTHNI+	23
29	RECEIVER	1	S2	3×4FMHNI+	4
28	INPUT ASS'Y	1	S3	3×4PVMHNI+	3
27	BACKBOARD	1	S4	3×6PMHNI+	6
26	RADIATOR	1	S5	3×6PVMHNI+	9
25	SPEAKER OUT PCB	1	S6	3×27PVMHNI+	4
24	PLANE UNDERPROP H=5	2	S7	4×10PAHBNI+	2
23	MIC PCB	1	S8	3×8PTHBNI+	11
22	MIC	1			
21	MIC BRACKET	1	J1	Φ11×20mm	4
20	MIC SOCKET	1			
19	knob board washer	1			
18	master volume light board	1			
17	MASTER VOL PBC	1	47		
16	FUNCTION KEY	1	46		
15	PANEL BRACKET	1	45		
14	DISPLAY PCB	1	44		
13	TOLL BAR	1	43		
12	MASTER VOL	4	42		
11	transparency component	1	41		
10	PANEL	1	40		
9	mirror	1	39		
8	semicircle decoration	1	38		
7	standby light transparency component	1	37		
6	standby button	1	36		
5	standby button board	1	35	MIC KNOB	
4	standby light board	1	34	SCART	1
3	MOTHERBOARD	1	33	VGA	1
2	Mechanism Ass'y	1	32	COVER	1
1	POWER BOARD	1	31	POWER LINE	1

MR89EM6-11.1

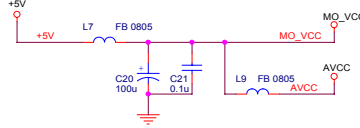
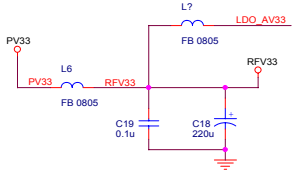
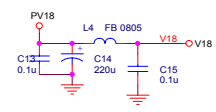
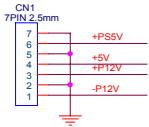
MT1389E DVD Demo Board for SONY 313/310 PUH

- | | |
|---|------------------------------|
| 1 | INDEX & POWER, RESET |
| 2 | SERVO / MPEG - MT1389E |
| 3 | MEMORY - SDRAM, FLASH/EEPROM |
| 4 | AUDIO / VIDEO FILTER |

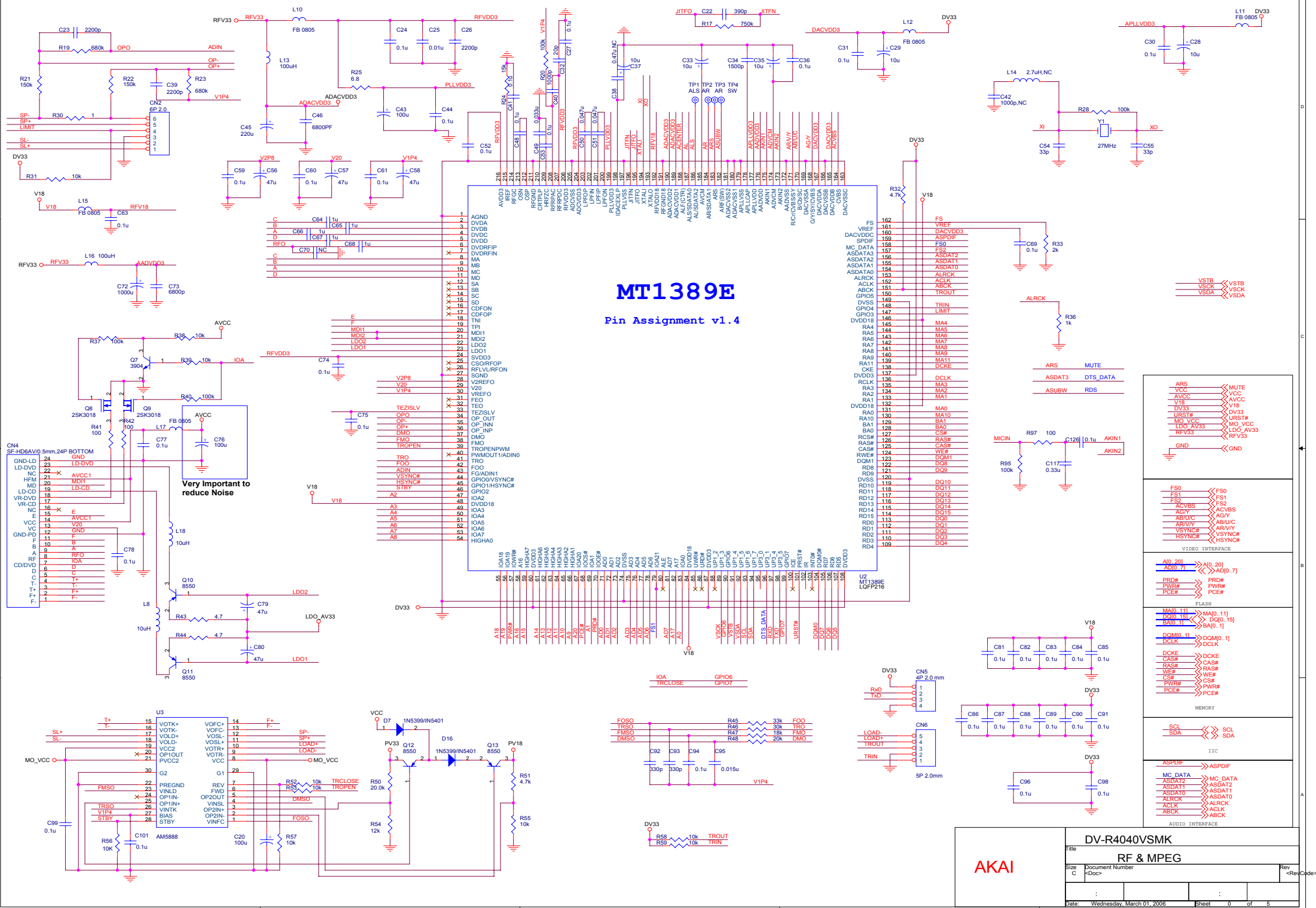
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
LDO_AV33	Laser Diode 3.3V	
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD	Audio 5V	Audio DAC
DVDD	Audio 5V	Audio DAC



- MUTE >>> MUTE
- A_MUTE >>> A_MUTE
- URST# >>> URST#
- V18 >>> V18
- DV33 >>> DV33
- VCC >>> VCC
- AVCC >>> AVCC
- LDO_AV33 >>> LDO_AV33
- RFV33 >>> RFV33
- +5V >>> +5V
- +12V >>> +12V
- 12V >>> -12V
- MO_VCC >>> MO_VCC
- GND >>> GND



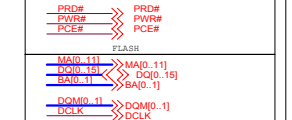
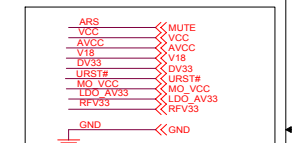
AKAI		DV-R404VSMK	
		INDEX	
Size C	Document Number +Doc>	Rev <Rev Code>	
制作:	<>	审核:	<>
Date: Wednesday, March 01, 2006		Sheet	0 of 5



MT1389E

Pin Assignment v1.4

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<tr><td>D</td><td>22</td><td>MDI3</td></tr> <tr><td>D</td><td>23</td><td>LD01</td></tr> <tr><td>D</td><td>24</td><td>LD02</td></tr> <tr><td>D</td><td>25</td><td>LD03</td></tr> <tr><td>D</td><td>26</td><td>CSORFOP</td></tr> <tr><td>D</td><td>27</td><td>RFVLRFON</td></tr> <tr><td>D</td><td>28</td><td>SGND</td></tr> <tr><td>D</td><td>29</td><td>VREFO</td></tr> <tr><td>D</td><td>30</td><td>V20</td></tr> <tr><td>D</td><td>31</td><td>FEO</td></tr> <tr><td>D</td><td>32</td><td>TEO</td></tr> <tr><td>D</td><td>33</td><td>TEZISLV</td></tr> <tr><td>D</td><td>34</td><td>OP_OUT</td></tr> <tr><td>D</td><td>35</td><td>OP_INN</td></tr> <tr><td>D</td><td>36</td><td>OP_INP</td></tr> <tr><td>D</td><td>37</td><td>DMO</td></tr> <tr><td>D</td><td>38</td><td>TROPEN</td></tr> <tr><td>D</td><td>39</td><td>TROPENPWM</td></tr> <tr><td>D</td><td>40</td><td>PWMOUT1/ADIN0</td></tr> <tr><td>D</td><td>41</td><td>TR0</td></tr> <tr><td>D</td><td>42</td><td>FOO</td></tr> <tr><td>D</td><td>43</td><td>FOI</td></tr> <tr><td>D</td><td>44</td><td>FGI/ADIN1</td></tr> <tr><td>D</td><td>45</td><td>GPIO1/HSYNC#</td></tr> <tr><td>D</td><td>46</td><td>GPIO1/HSYNC#</td></tr> <tr><td>D</td><td>47</td><td>GPIO2</td></tr> <tr><td>D</td><td>48</td><td>IOA2</td></tr> <tr><td>D</td><td>49</td><td>DVDD18</td></tr> <tr><td>D</td><td>50</td><td>IOA3</td></tr> <tr><td>D</td><td>51</td><td>IOA4</td></tr> <tr><td>D</td><td>52</td><td>IOA5</td></tr> <tr><td>D</td><td>53</td><td>IOA6</td></tr> <tr><td>D</td><td>54</td><td>IOA7</td></tr> <tr><td>D</td><td>55</td><td>IOA8</td></tr> <tr><td>D</td><td>56</td><td>IOA18</td></tr> <tr><td>D</td><td>57</td><td>IOA19</td></tr> <tr><td>D</td><td>58</td><td>IOA20</td></tr> <tr><td>D</td><td>59</td><td>IOA21</td></tr> <tr><td>D</td><td>60</td><td>IOA22</td></tr> <tr><td>D</td><td>61</td><td>IOA23</td></tr> <tr><td>D</td><td>62</td><td>IOA24</td></tr> <tr><td>D</td><td>63</td><td>IOA25</td></tr> <tr><td>D</td><td>64</td><td>IOA26</td></tr> <tr><td>D</td><td>65</td><td>IOA27</td></tr> <tr><td>D</td><td>66</td><td>IOA28</td></tr> <tr><td>D</td><td>67</td><td>IOA29</td></tr> <tr><td>D</td><td>68</td><td>IOA30</td></tr> <tr><td>D</td><td>69</td><td>IOA31</td></tr> <tr><td>D</td><td>70</td><td>IOA32</td></tr> <tr><td>D</td><td>71</td><td>IOA33</td></tr> <tr><td>D</td><td>72</td><td>IOA34</td></tr> <tr><td>D</td><td>73</td><td>IOA35</td></tr> <tr><td>D</td><td>74</td><td>IOA36</td></tr> <tr><td>D</td><td>75</td><td>IOA37</td></tr> <tr><td>D</td><td>76</td><td>IOA38</td></tr> <tr><td>D</td><td>77</td><td>IOA39</td></tr> <tr><td>D</td><td>78</td><td>IOA40</td></tr> <tr><td>D</td><td>79</td><td>IOA41</td></tr> <tr><td>D</td><td>80</td><td>IOA42</td></tr> <tr><td>D</td><td>81</td><td>IOA43</td></tr> <tr><td>D</td><td>82</td><td>IOA44</td></tr> <tr><td>D</td><td>83</td><td>IOA45</td></tr> <tr><td>D</td><td>84</td><td>IOA46</td></tr> <tr><td>D</td><td>85</td><td>IOA47</td></tr> <tr><td>D</td><td>86</td><td>IOA48</td></tr> <tr><td>D</td><td>87</td><td>IOA49</td></tr> <tr><td>D</td><td>88</td><td>IOA50</td></tr> <tr><td>D</td><td>89</td><td>IOA51</td></tr> <tr><td>D</td><td>90</td><td>IOA52</td></tr> <tr><td>D</td><td>91</td><td>IOA53</td></tr> <tr><td>D</td><td>92</td><td>IOA54</td></tr> <tr><td>D</td><td>93</td><td>IOA55</td></tr> <tr><td>D</td><td>94</td><td>IOA56</td></tr> <tr><td>D</td><td>95</td><td>IOA57</td></tr> <tr><td>D</td><td>96</td><td>IOA58</td></tr> <tr><td>D</td><td>97</td><td>IOA59</td></tr> <tr><td>D</td><td>98</td><td>IOA60</td></tr> <tr><td>D</td><td>99</td><td>IOA61</td></tr> <tr><td>D</td><td>100</td><td>IOA62</td></tr> <tr><td>D</td><td>101</td><td>IOA63</td></tr> <tr><td>D</td><td>102</td><td>IOA64</td></tr> <tr><td>D</td><td>103</td><td>IOA65</td></tr> <tr><td>D</td><td>104</td><td>IOA66</td></tr> <tr><td>D</td><td>105</td><td>IOA67</td></tr> <tr><td>D</td><td>106</td><td>IOA68</td></tr> <tr><td>D</td><td>107</td><td>IOA69</td></tr> <tr><td>D</td><td>108</td><td>IOA70</td></tr> </table>	C	1	AGND	B	2	DVDA	A	3	DVDB	D	4	DVDC	D	5	DVDD	C	6	DVDRFIP	B	7	DVDRFIN	A	8	MA	D	9	MB	D	10	MC	D	11	MD	D	12	SA	D	13	SB	D	14	SC	D	15	SD	D	16	SDIFON	D	17	CFON	D	18	CFOP	D	19	TI	D	20	MDI1	D	21	MDI2	D	22	MDI3	D	23	LD01	D	24	LD02	D	25	LD03	D	26	CSORFOP	D	27	RFVLRFON	D	28	SGND	D	29	VREFO	D	30	V20	D	31	FEO	D	32	TEO	D	33	TEZISLV	D	34	OP_OUT	D	35	OP_INN	D	36	OP_INP	D	37	DMO	D	38	TROPEN	D	39	TROPENPWM	D	40	PWMOUT1/ADIN0	D	41	TR0	D	42	FOO	D	43	FOI	D	44	FGI/ADIN1	D	45	GPIO1/HSYNC#	D	46	GPIO1/HSYNC#	D	47	GPIO2	D	48	IOA2	D	49	DVDD18	D	50	IOA3	D	51	IOA4	D	52	IOA5	D	53	IOA6	D	54	IOA7	D	55	IOA8	D	56	IOA18	D	57	IOA19	D	58	IOA20	D	59	IOA21	D	60	IOA22	D	61	IOA23	D	62	IOA24	D	63	IOA25	D	64	IOA26	D	65	IOA27	D	66	IOA28	D	67	IOA29	D	68	IOA30	D	69	IOA31	D	70	IOA32	D	71	IOA33	D	72	IOA34	D	73	IOA35	D	74	IOA36	D	75	IOA37	D	76	IOA38	D	77	IOA39	D	78	IOA40	D	79	IOA41	D	80	IOA42	D	81	IOA43	D	82	IOA44	D	83	IOA45	D	84	IOA46	D	85	IOA47	D	86	IOA48	D	87	IOA49	D	88	IOA50	D	89	IOA51	D	90	IOA52	D	91	IOA53	D	92	IOA54	D	93	IOA55	D	94	IOA56	D	95	IOA57	D	96	IOA58	D	97	IOA59	D	98	IOA60	D	99	IOA61	D	100	IOA62	D	101	IOA63	D	102	IOA64	D	103	IOA65	D	104	IOA66	D	105	IOA67	D	106	IOA68	D	107	IOA69	D	108	IOA70	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>FS</td><td>162</td><td>FS</td></tr> <tr><td>DACVDD3</td><td>161</td><td>VREF</td></tr> <tr><td>SPOIF</td><td>160</td><td>DACVDD3</td></tr> <tr><td>ASPDI#</td><td>159</td><td>ASPDI#</td></tr> <tr><td>ES0</td><td>158</td><td>ES0</td></tr> <tr><td>ASDAT2</td><td>157</td><td>ASDAT2</td></tr> <tr><td>ASDAT1</td><td>156</td><td>ASDAT1</td></tr> <tr><td>ASDAT0</td><td>155</td><td>ASDAT0</td></tr> <tr><td>ALRCK</td><td>154</td><td>ALRCK</td></tr> <tr><td>ALRCK</td><td>153</td><td>ALRCK</td></tr> <tr><td>ACLK</td><td>152</td><td>ACLK</td></tr> <tr><td>ABCK</td><td>151</td><td>ABCK</td></tr> <tr><td>TROUT</td><td>150</td><td>TROUT</td></tr> <tr><td>DVSS</td><td>148</td><td>TRIN</td></tr> <tr><td>GPIO4</td><td>146</td><td>LIMIT</td></tr> <tr><td>GPIO3</td><td>147</td><td>LIMIT</td></tr> <tr><td>DVDD18</td><td>145</td><td>MA4</td></tr> <tr><td>RA4</td><td>144</td><td>MA5</td></tr> <tr><td>RA5</td><td>143</td><td>MA6</td></tr> <tr><td>RA6</td><td>142</td><td>MA7</td></tr> <tr><td>RA7</td><td>141</td><td>MA8</td></tr> <tr><td>RA8</td><td>140</td><td>MA9</td></tr> <tr><td>RA9</td><td>139</td><td>MA11</td></tr> <tr><td>RA11</td><td>138</td><td>DCKE</td></tr> <tr><td>DVDD3</td><td>136</td><td>MA3</td></tr> <tr><td>RCLK</td><td>136</td><td>DCLK</td></tr> <tr><td>RA3</td><td>134</td><td>MA2</td></tr> <tr><td>RA2</td><td>133</td><td>MA1</td></tr> <tr><td>RA1</td><td>133</td><td>MA1</td></tr> <tr><td>DVDD18</td><td>132</td><td>MA0</td></tr> <tr><td>RA0</td><td>130</td><td>MA10</td></tr> <tr><td>RA10</td><td>129</td><td>BA1</td></tr> <tr><td>BA1</td><td>129</td><td>BA1</td></tr> <tr><td>BA2</td><td>128</td><td>BA0</td></tr> <tr><td>RCS#</td><td>126</td><td>CAS#</td></tr> <tr><td>RAS#</td><td>125</td><td>RAS#</td></tr> <tr><td>CAS#</td><td>125</td><td>CAS#</td></tr> <tr><td>RWE#</td><td>123</td><td>DOM1</td></tr> <tr><td>DOM1</td><td>122</td><td>DOS</td></tr> <tr><td>RD8</td><td>122</td><td>DOS</td></tr> <tr><td>RD9</td><td>121</td><td>DOS</td></tr> <tr><td>RD10</td><td>120</td><td>DOS</td></tr> <tr><td>RD11</td><td>119</td><td>DOS</td></tr> <tr><td>RD12</td><td>118</td><td>DOS</td></tr> <tr><td>RD13</td><td>117</td><td>DOS</td></tr> <tr><td>RD14</td><td>116</td><td>DOS</td></tr> <tr><td>RD15</td><td>115</td><td>DOS</td></tr> <tr><td>RD0</td><td>114</td><td>DOS</td></tr> <tr><td>RD1</td><td>113</td><td>DOS</td></tr> <tr><td>RD2</td><td>111</td><td>DOS</td></tr> <tr><td>RD3</td><td>109</td><td>DOS</td></tr> <tr><td>RD4</td><td>109</td><td>DOS</td></tr> </table>	FS	162	FS	DACVDD3	161	VREF	SPOIF	160	DACVDD3	ASPDI#	159	ASPDI#	ES0	158	ES0	ASDAT2	157	ASDAT2	ASDAT1	156	ASDAT1	ASDAT0	155	ASDAT0	ALRCK	154	ALRCK	ALRCK	153	ALRCK	ACLK	152	ACLK	ABCK	151	ABCK	TROUT	150	TROUT	DVSS	148	TRIN	GPIO4	146	LIMIT	GPIO3	147	LIMIT	DVDD18	145	MA4	RA4	144	MA5	RA5	143	MA6	RA6	142	MA7	RA7	141	MA8	RA8	140	MA9	RA9	139	MA11	RA11	138	DCKE	DVDD3	136	MA3	RCLK	136	DCLK	RA3	134	MA2	RA2	133	MA1	RA1	133	MA1	DVDD18	132	MA0	RA0	130	MA10	RA10	129	BA1	BA1	129	BA1	BA2	128	BA0	RCS#	126	CAS#	RAS#	125	RAS#	CAS#	125	CAS#	RWE#	123	DOM1	DOM1	122	DOS	RD8	122	DOS	RD9	121	DOS	RD10	120	DOS	RD11	119	DOS	RD12	118	DOS	RD13	117	DOS	RD14	116	DOS	RD15	115	DOS	RD0	114	DOS	RD1	113	DOS	RD2	111	DOS	RD3	109	DOS	RD4	109	DOS
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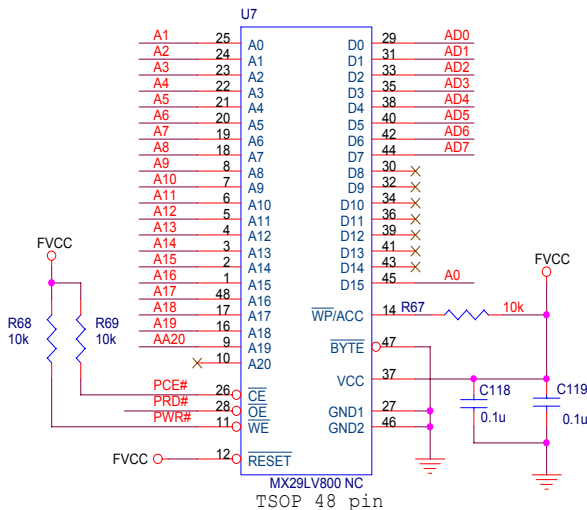
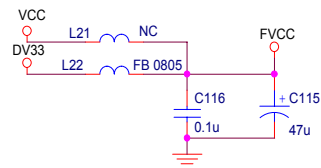
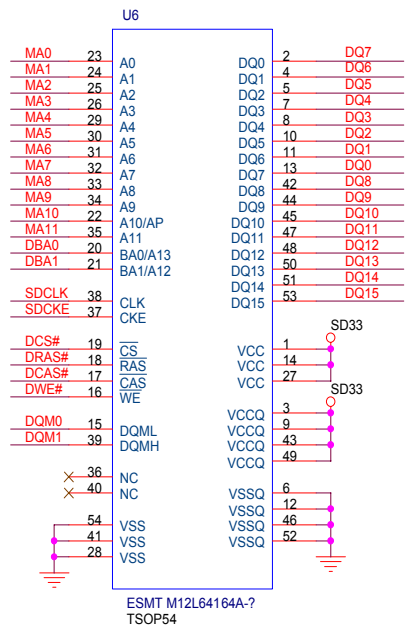
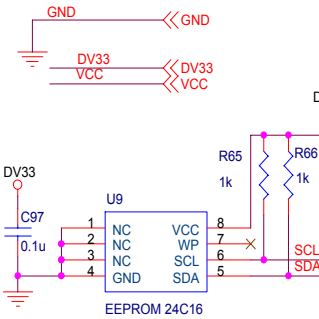
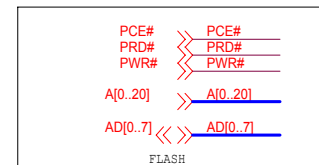
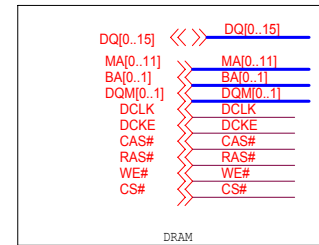
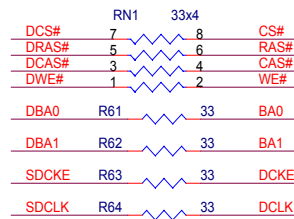
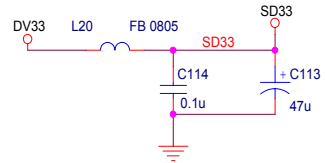
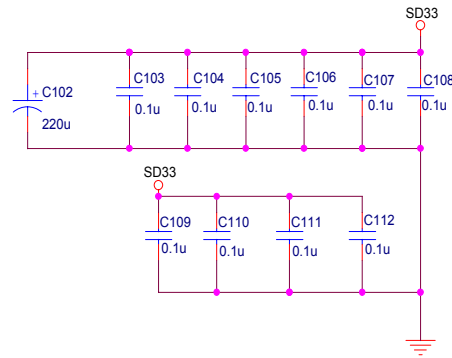
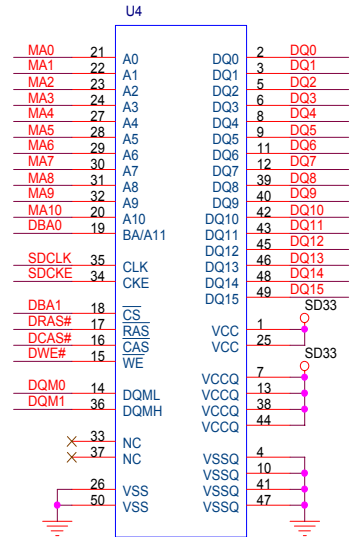
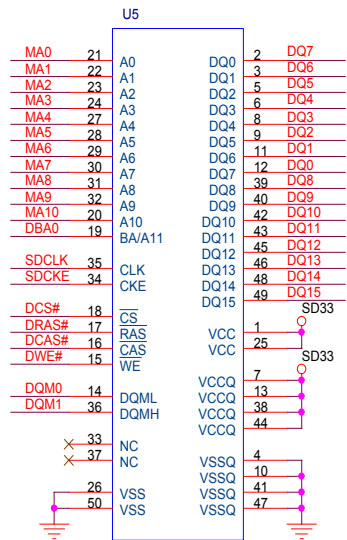
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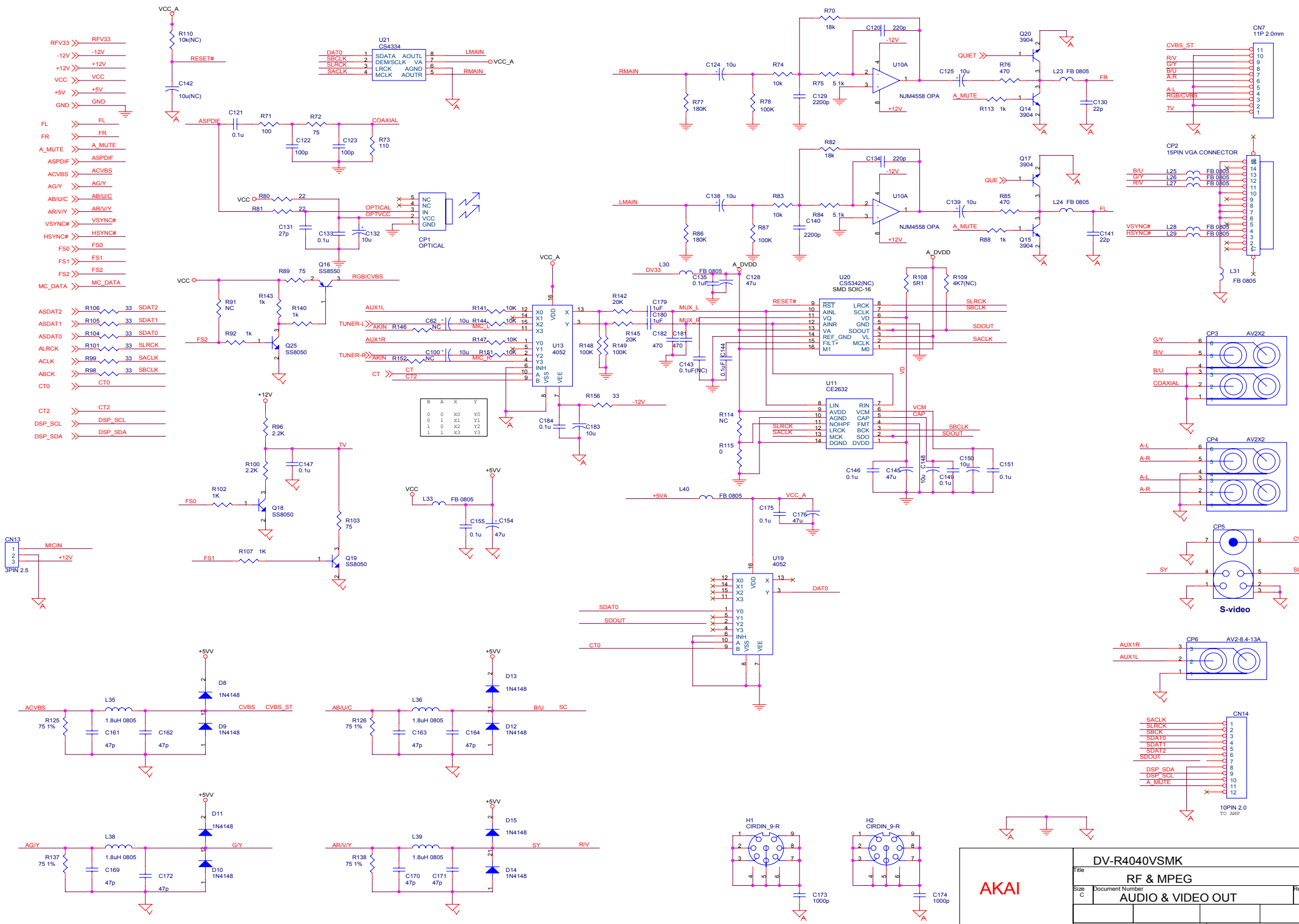
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Date: Wednesday, March 01, 2006 Sheet: 0 of 5



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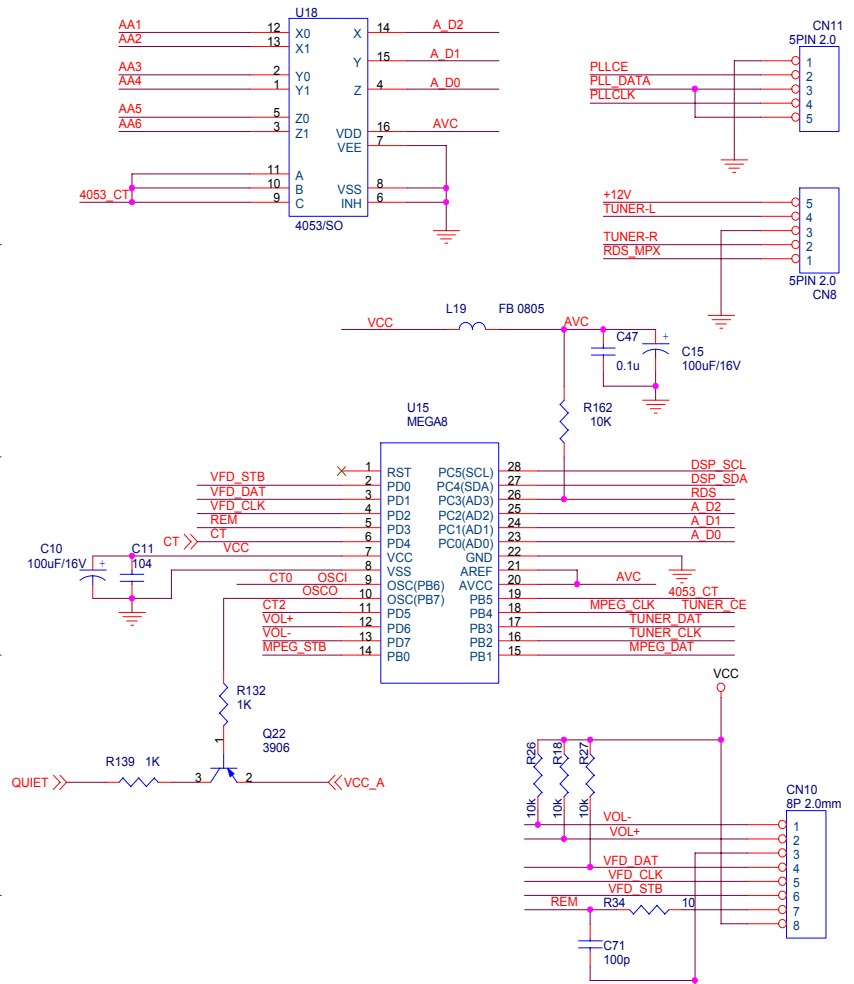
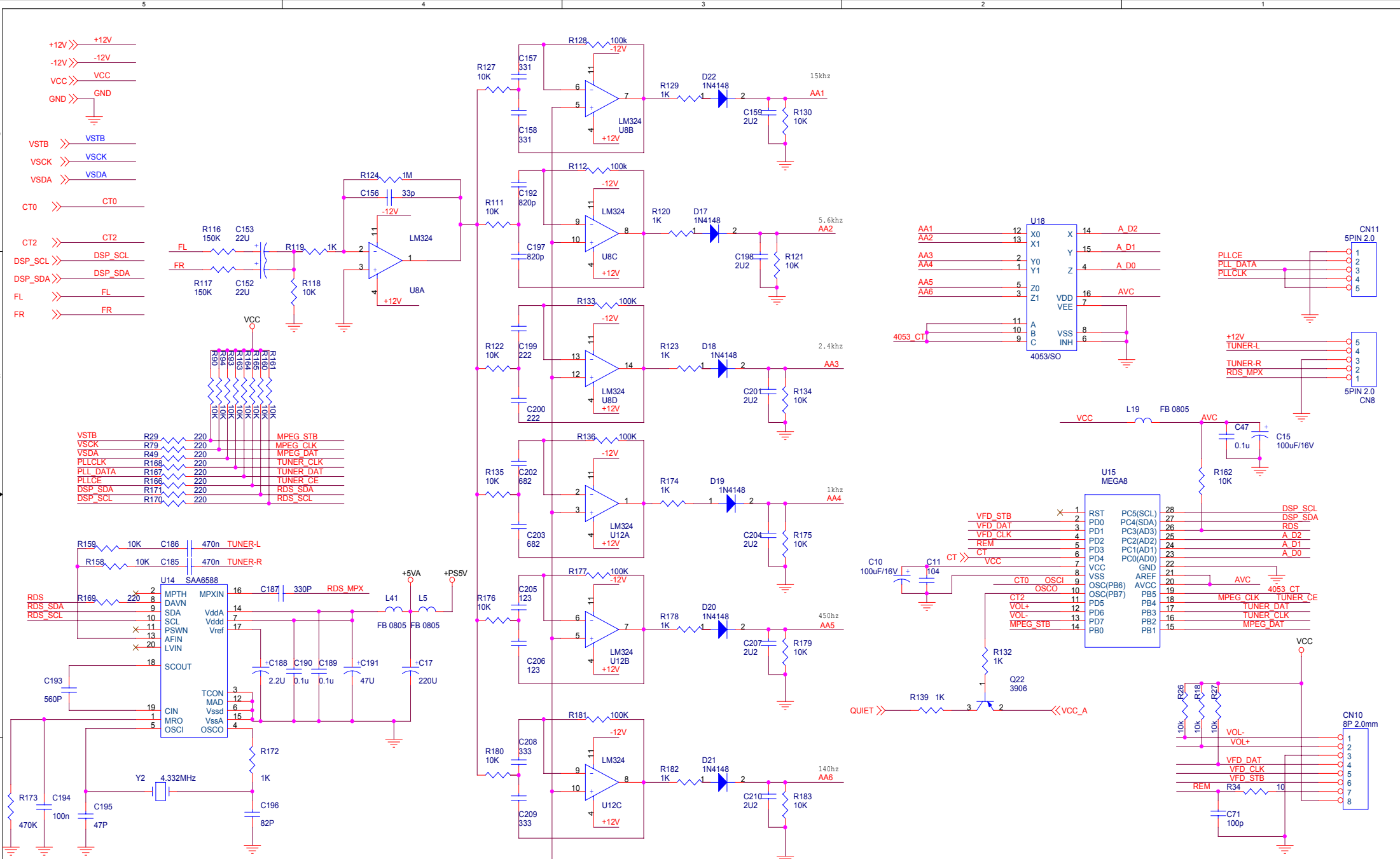


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- ASPDIF >> ASPDIF
- ACVBS >> ACVBS
- AG/Y >> AG/Y
- AB/U/C >> AB/U/C
- AR/V/Y >> AR/V/Y
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- HSYNC# >> HSYNC#
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- ASDAT0 >> R104 33 SDAT0
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- ACLK >> R99 33 SACLK
- ABCK >> R98 33 SBCLK
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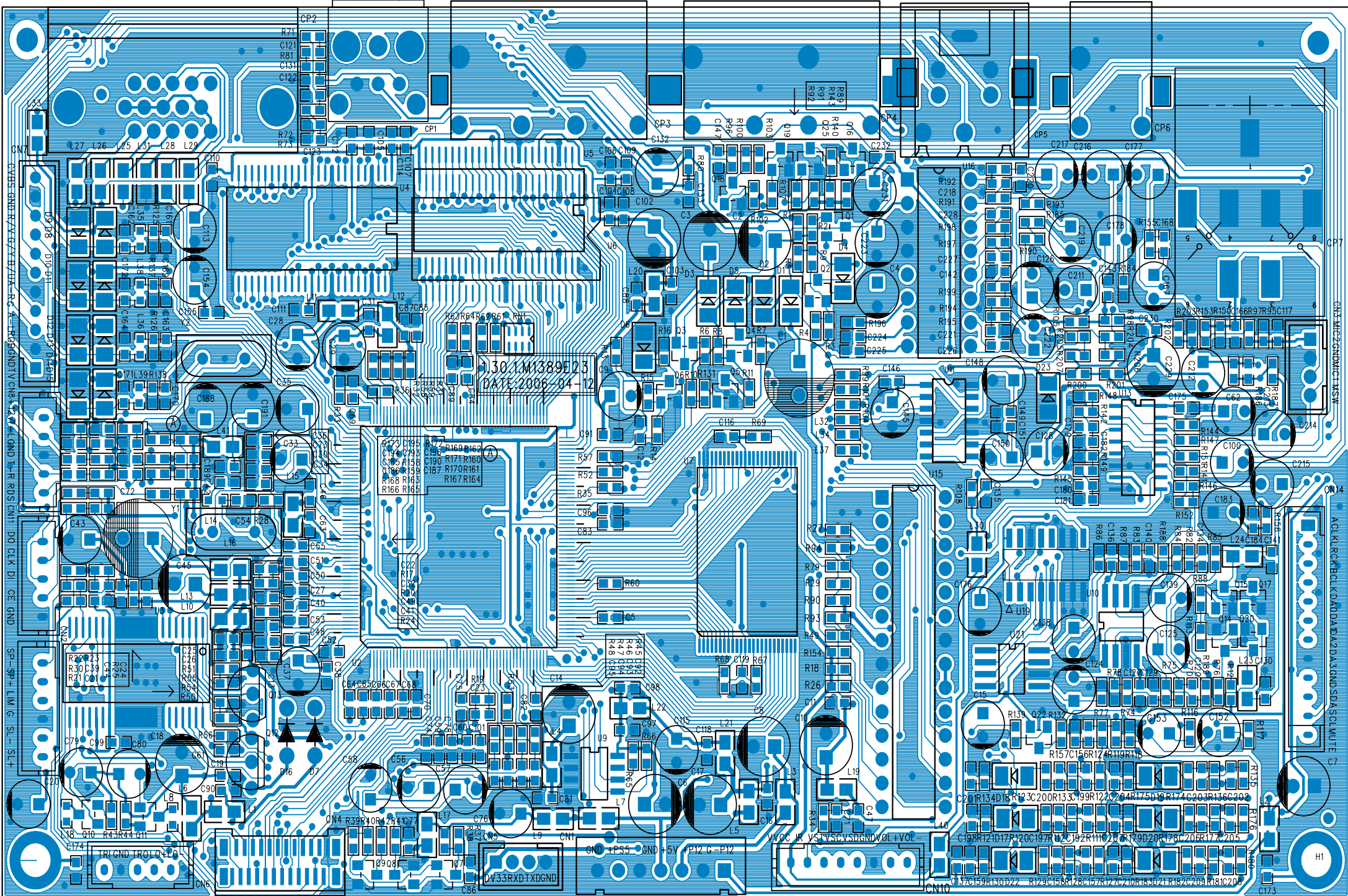
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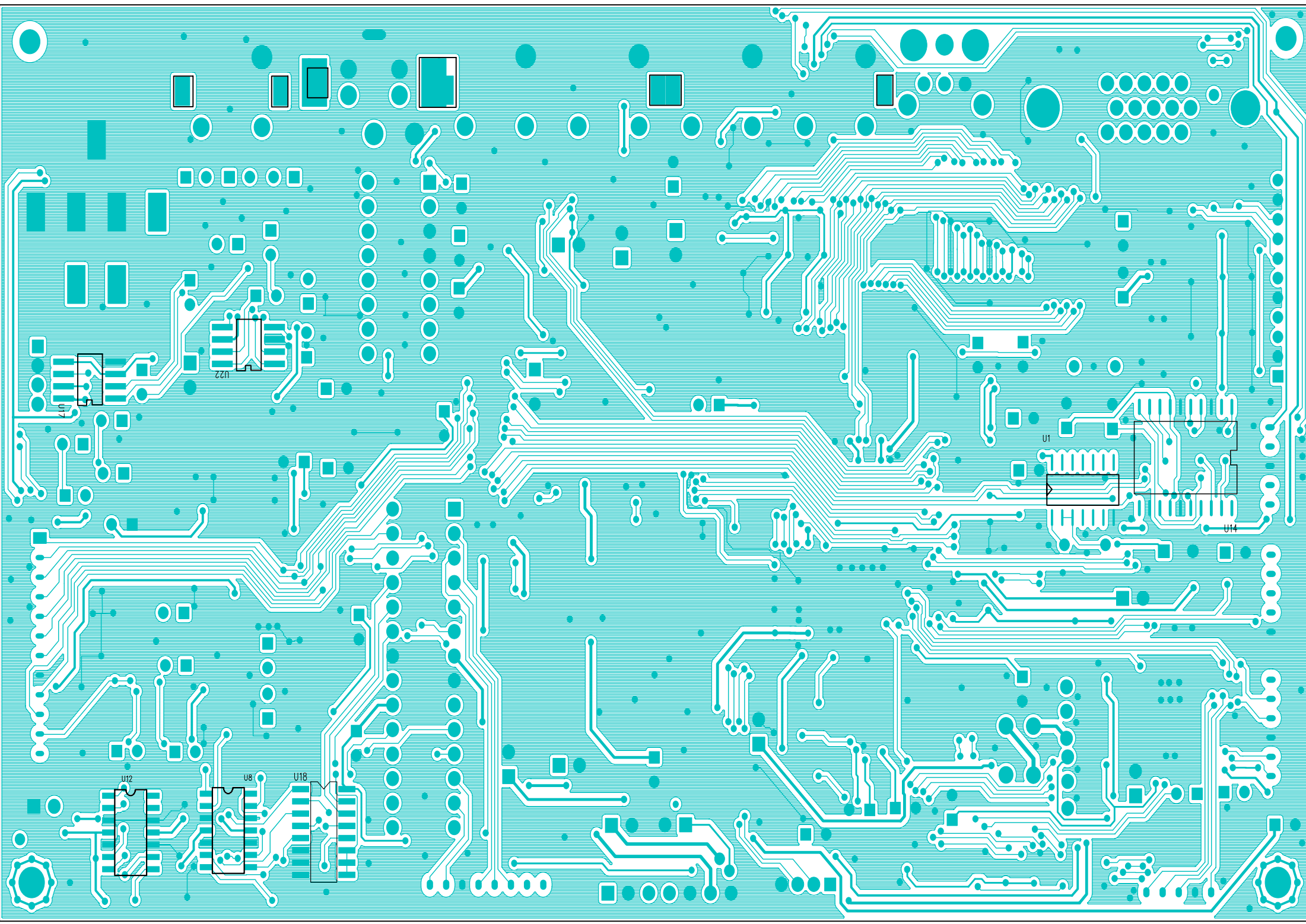


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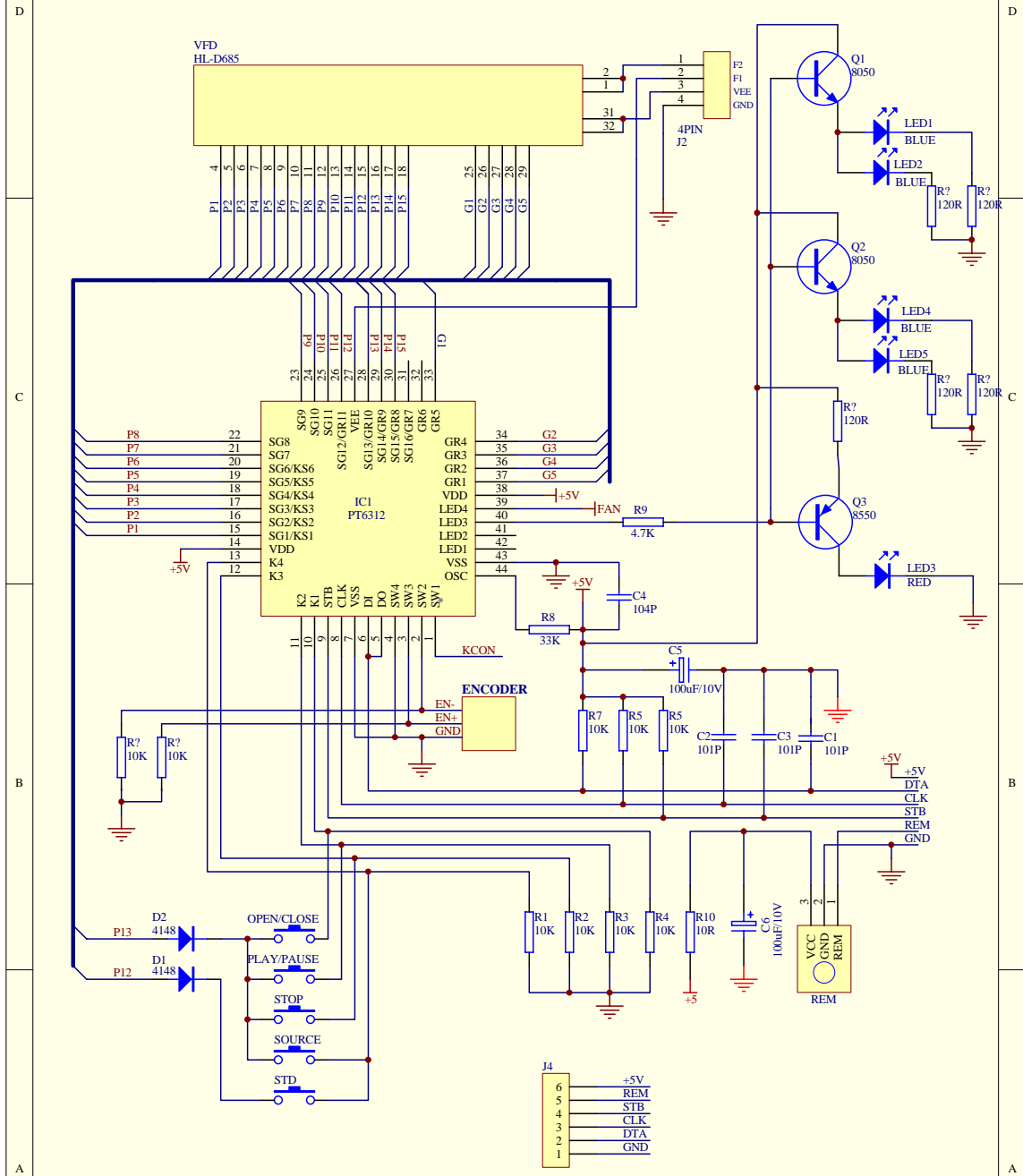
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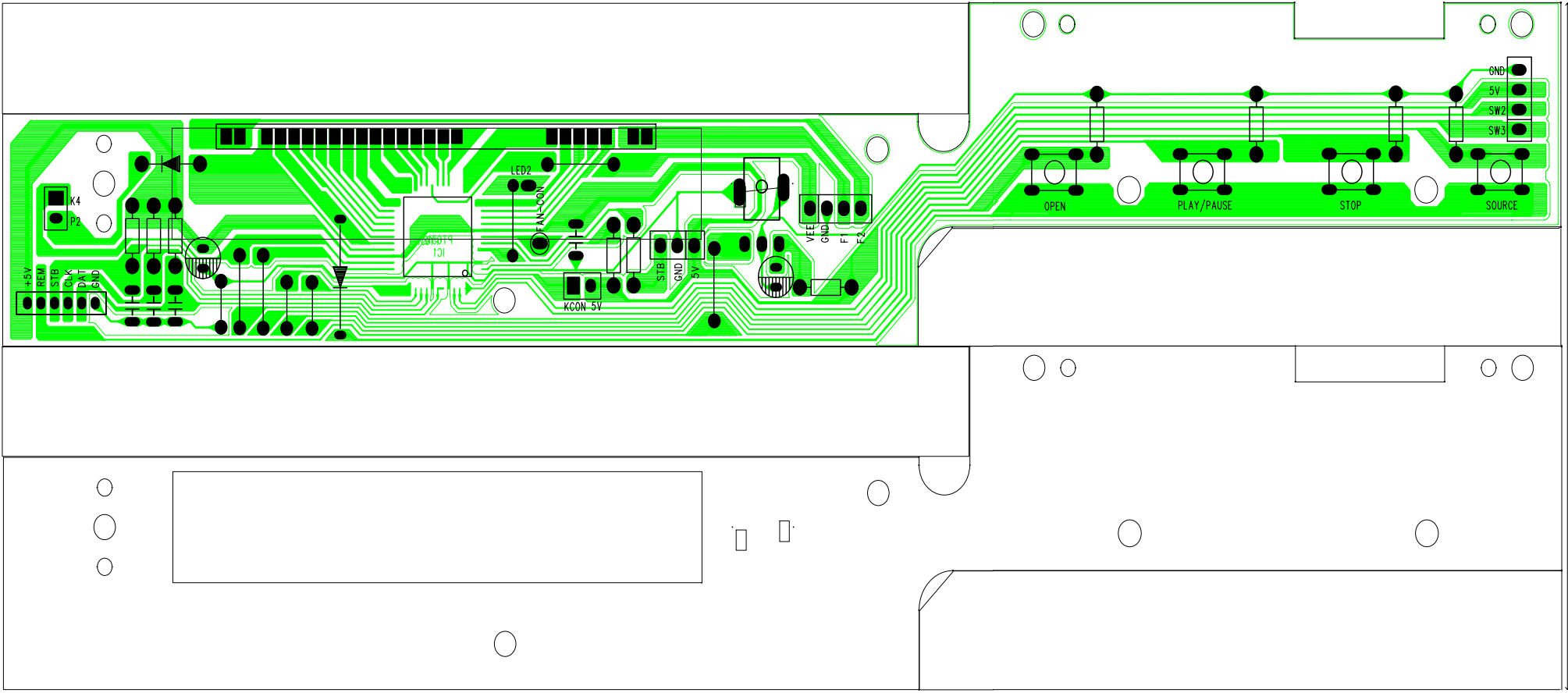
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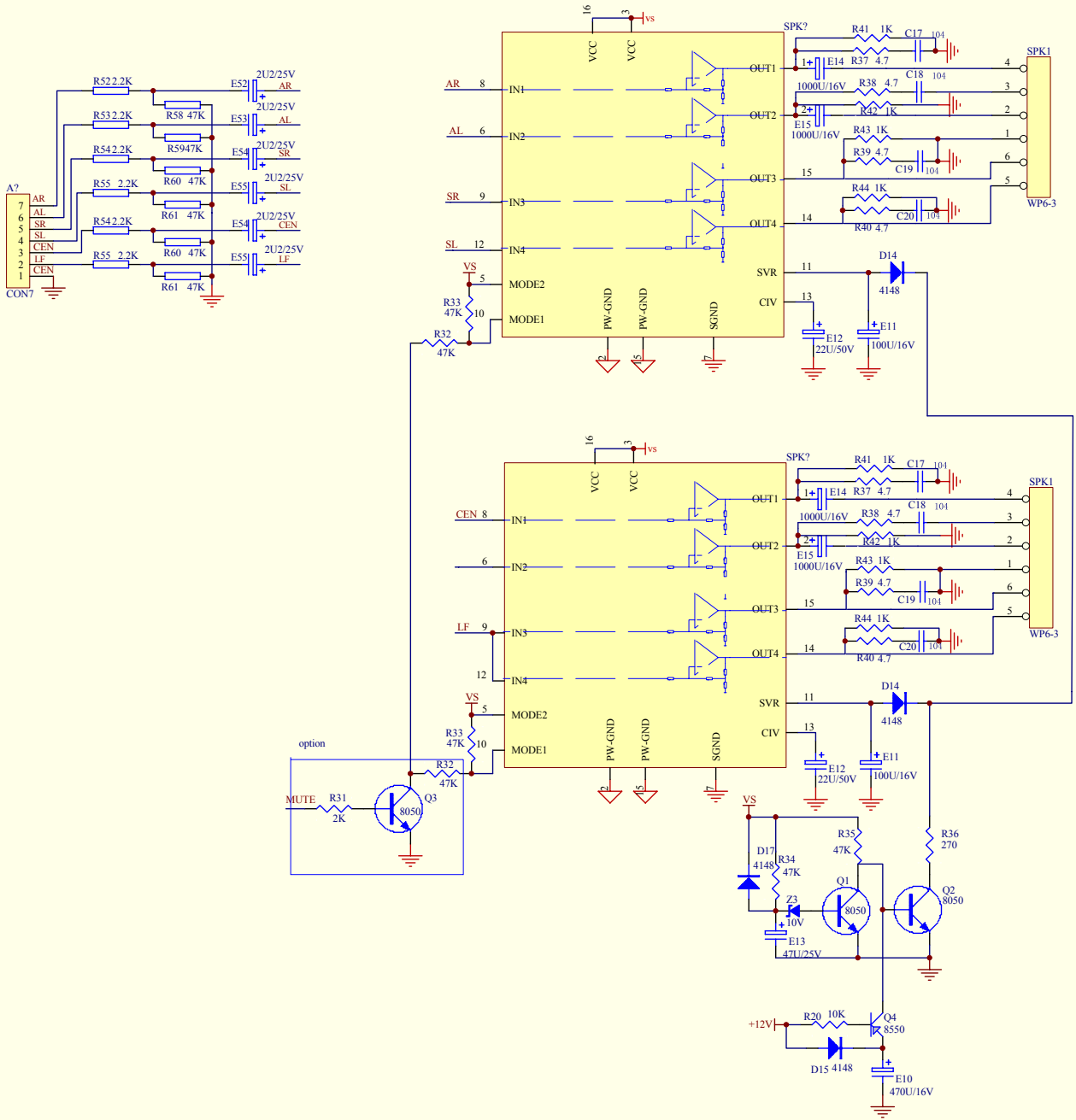
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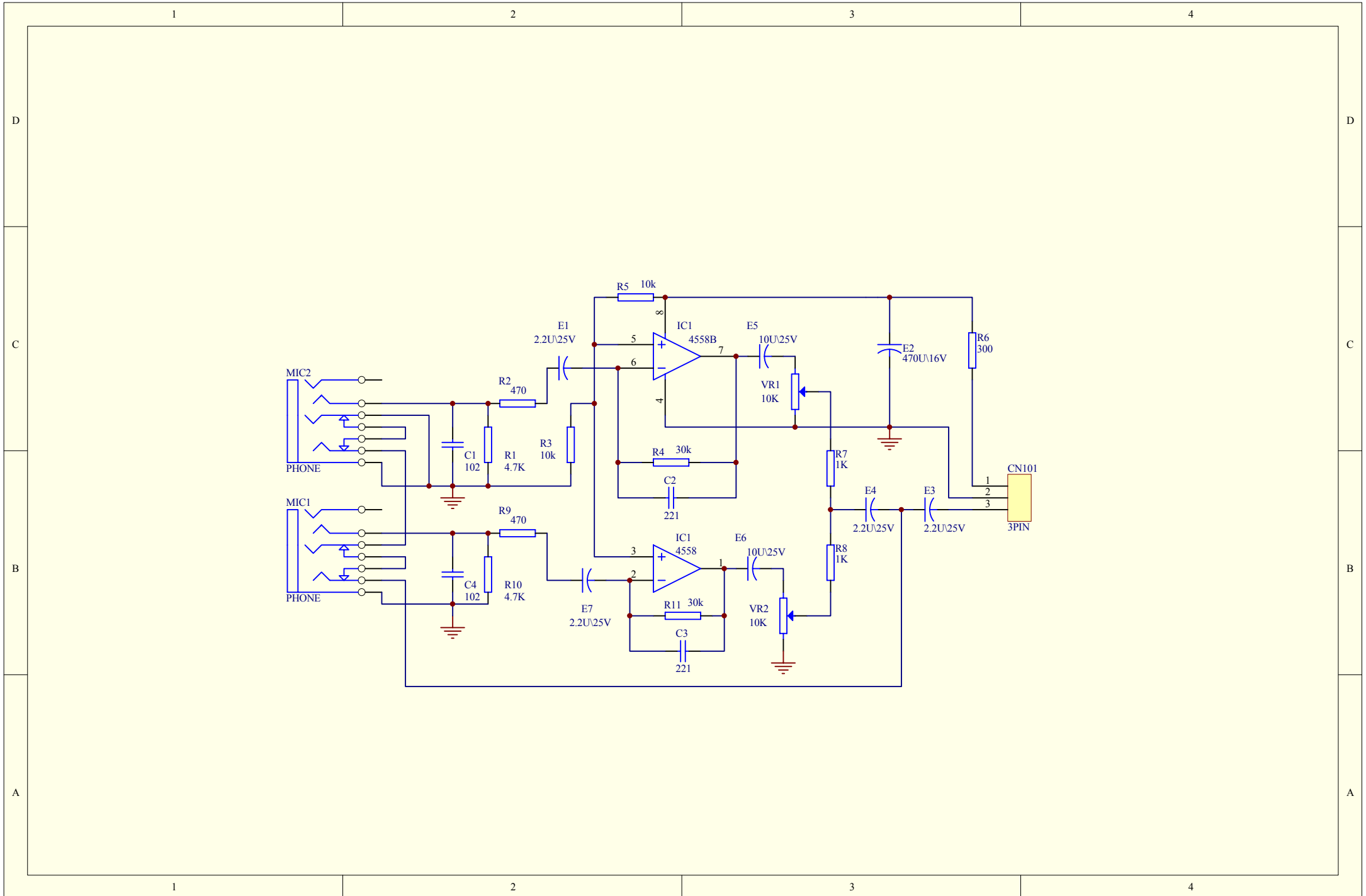


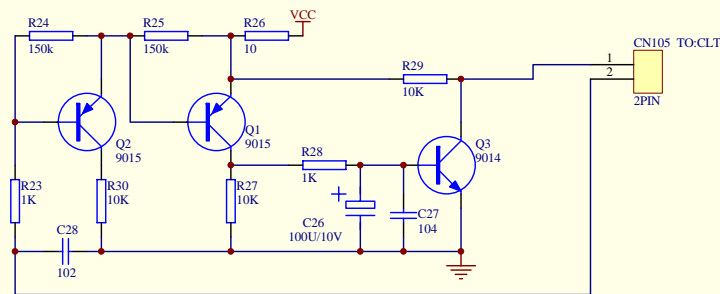
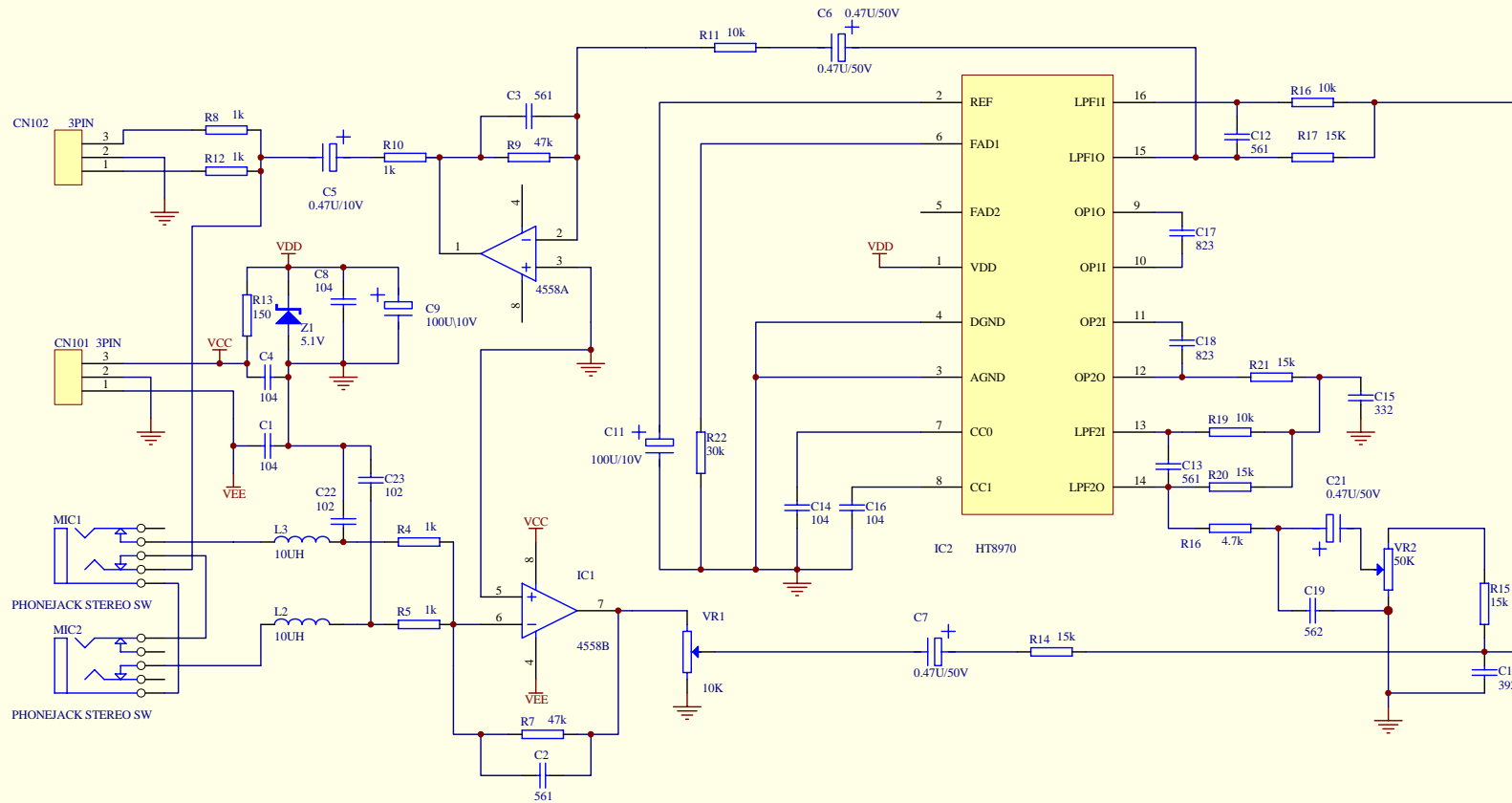
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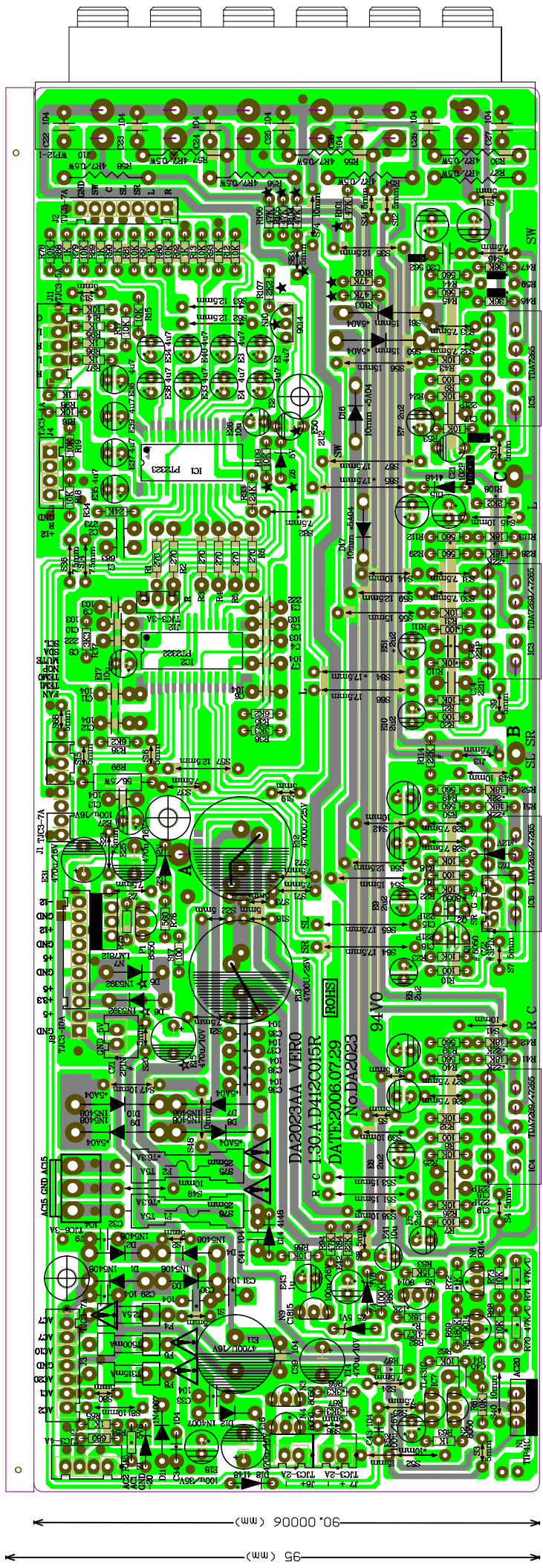
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95 (mm)

90.0006 (mm)

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