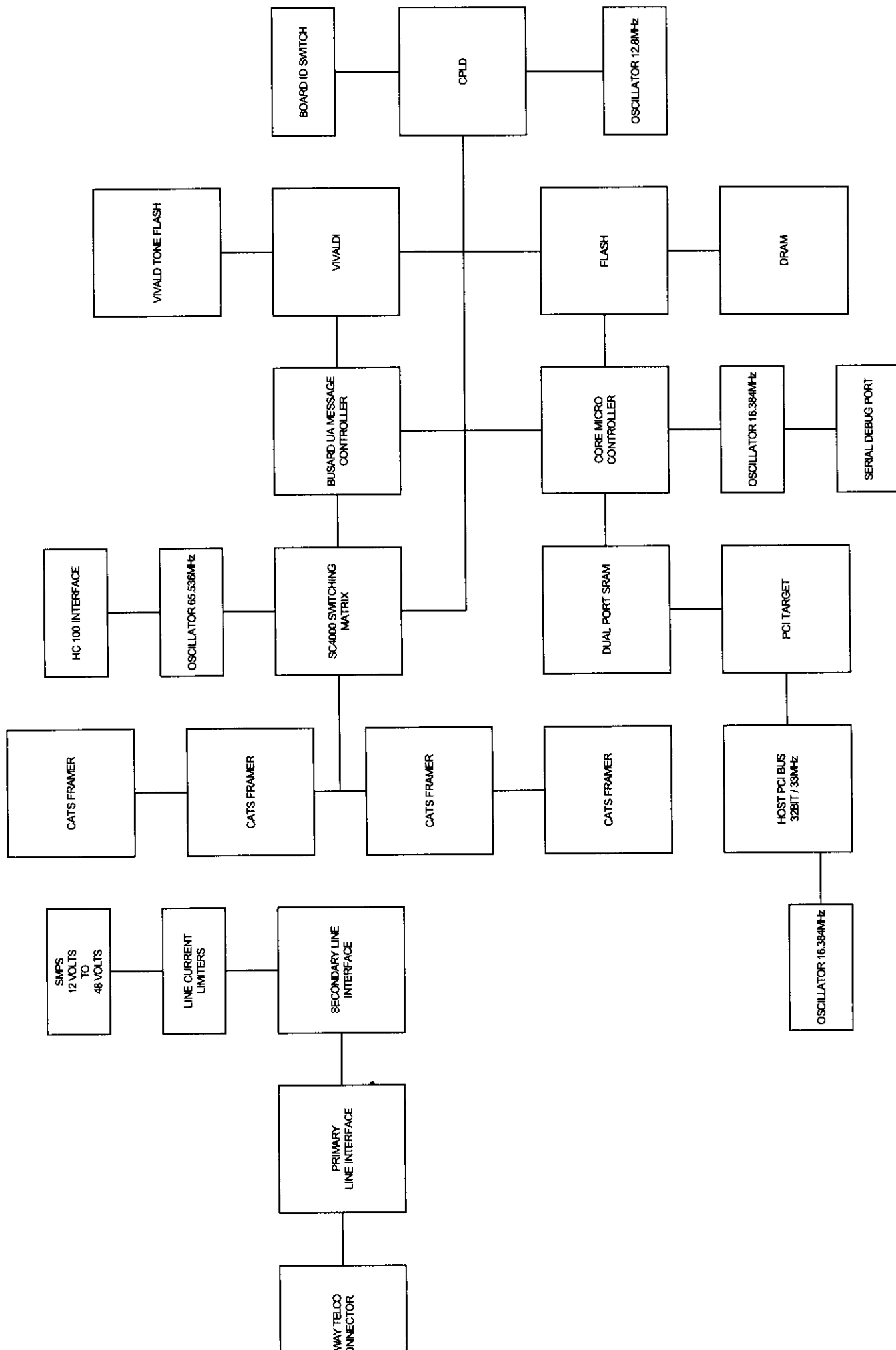




16 Channel UA PCI Adapter Card

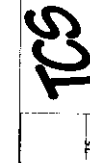
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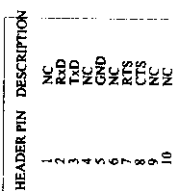
NOTE:

1) PCI interface and Microcontroller are. (Sheets 1 to 9)
2) ALCAT DC to DC Converter and UK Message Engine. (Sheets 10 to 24).
3) Sheet 1 and 2 are PCI interconnected with FLX9050 and FLX9050 with Dual Port R.A.M.
4) Sheet 3 contains Microcontroller with D.R.A.M. and FLASH.
5) Sheet 4 contains the C.P.U.D.
6) Sheet 5 contains the C.P.U.D. and serial port.
7) Sheet 6 contains BLUARD ASIC.
8) Sheet 7 contains VIVALDI ASIC.
9) Sheet 8 contains the unclassified SRAM.
10) Sheet 9 contains the SC4000.
11) Sheet 9 contains the CT5SC connector.
12) Sheet 10 contains DC to DC Converter.
13) Sheet 11 to 14 contain CATS output limiters.
14) Sheet 15 to 18 contain CATS ALCALET ASIC.
15) Sheet 19 to 21 contain CATS output.
16) Sheet 22 to 24 contain CATS output.
17) Sheet 24 containing the UK Message connector to the R/TX connector.

REF: 0.2



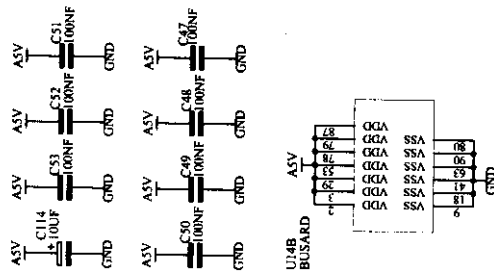


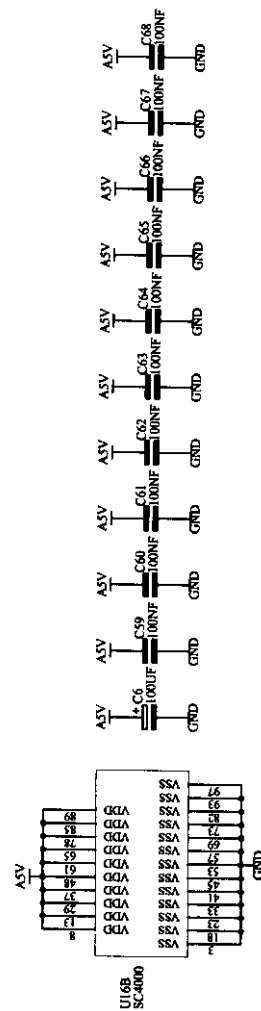


Electrica Limited
West Avenue
Sids Grove
Broke-on-Trent, Staffs.
England ST7 1TL

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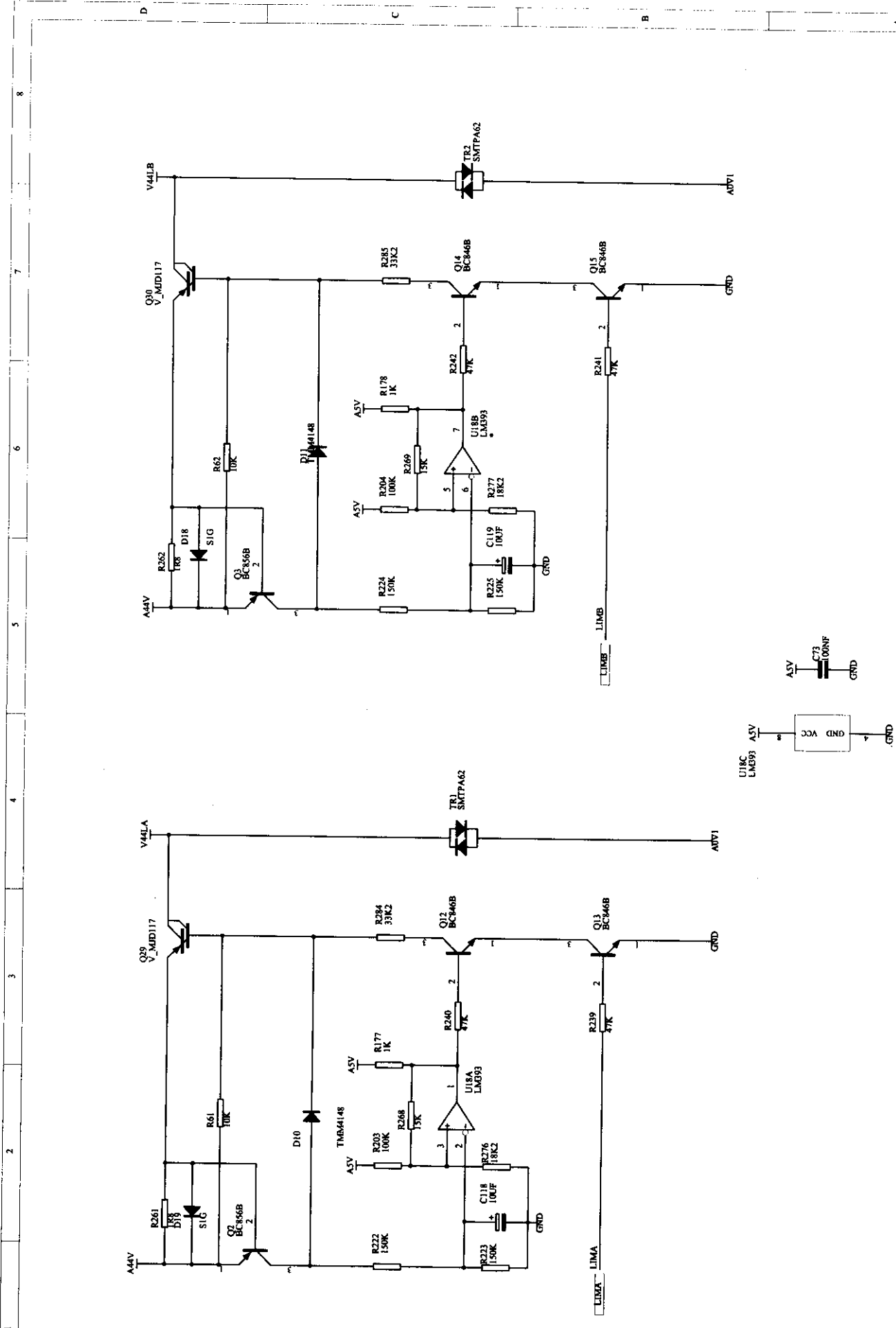




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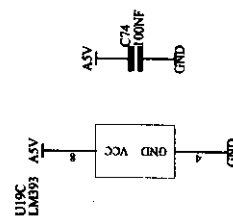


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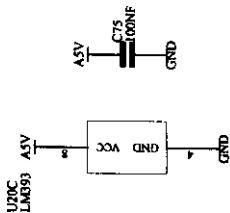
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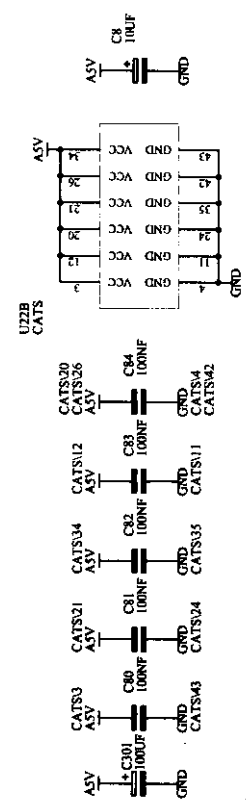
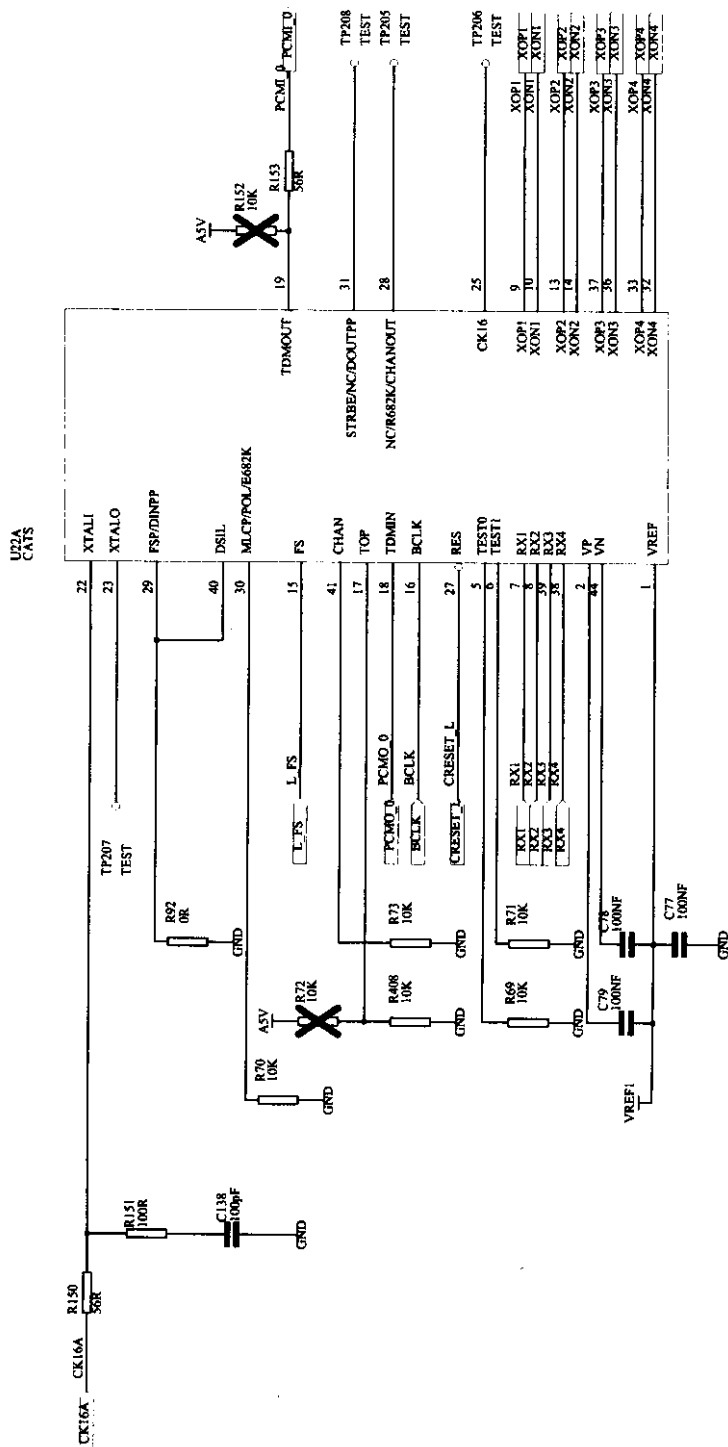
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West Avenue
Sudbury, Suffolk
England, S17 1L

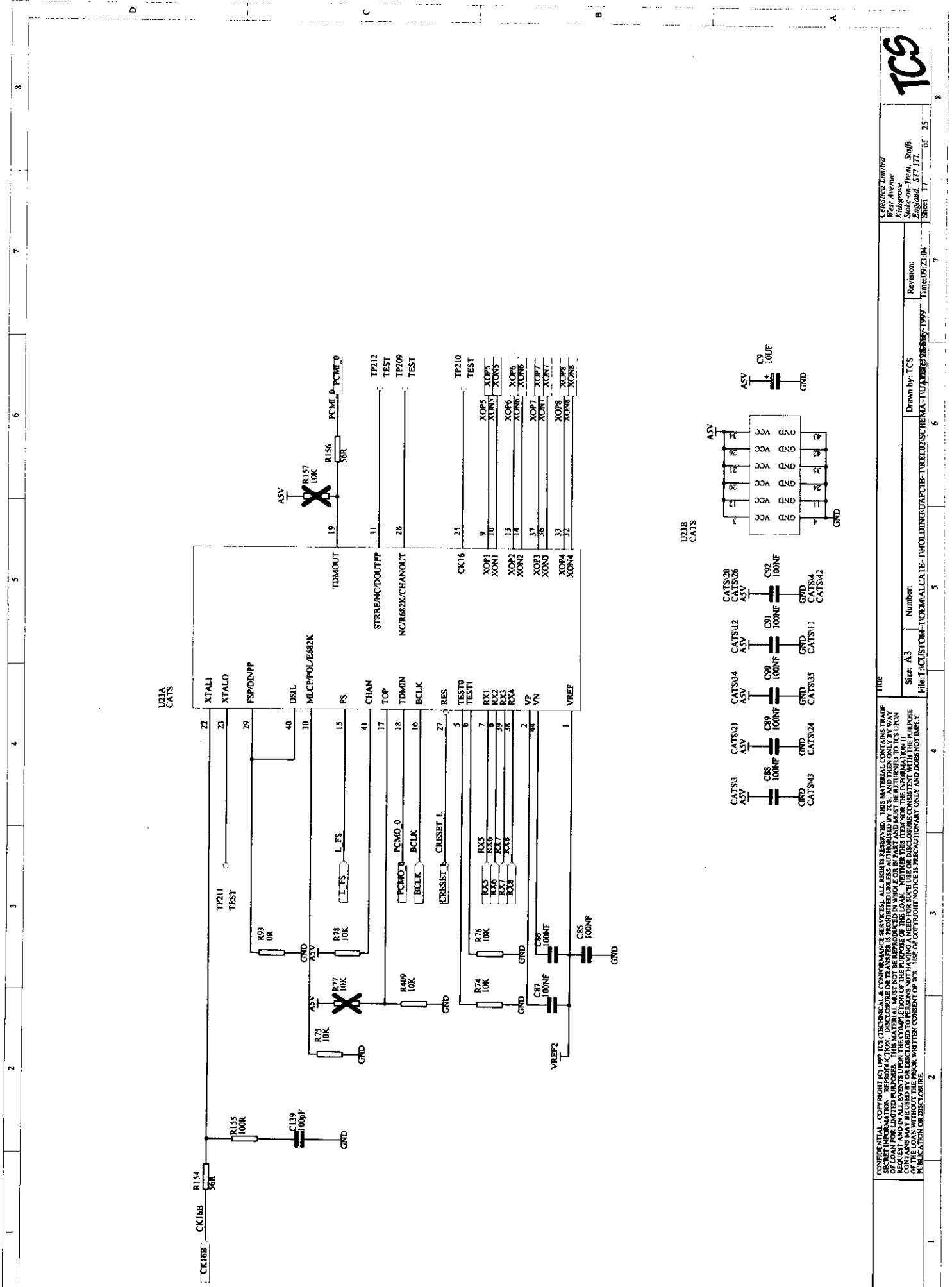


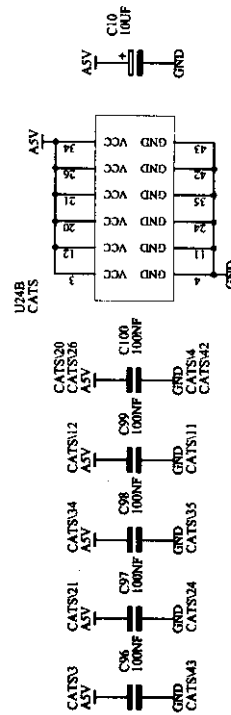
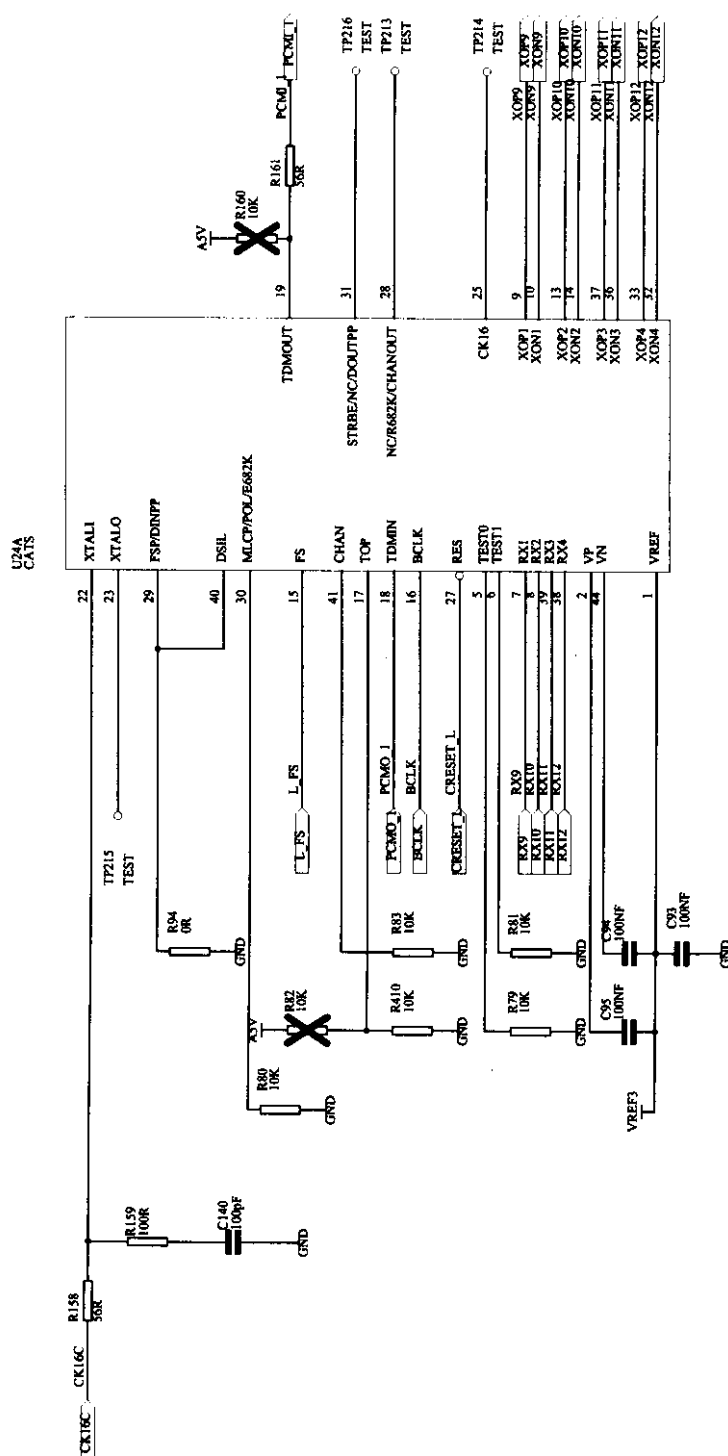
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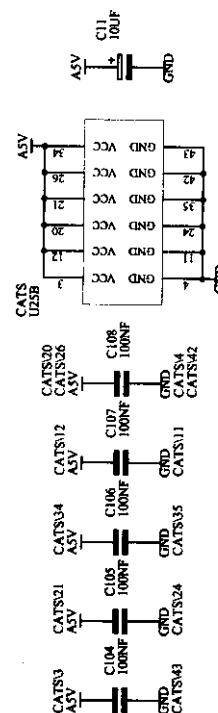
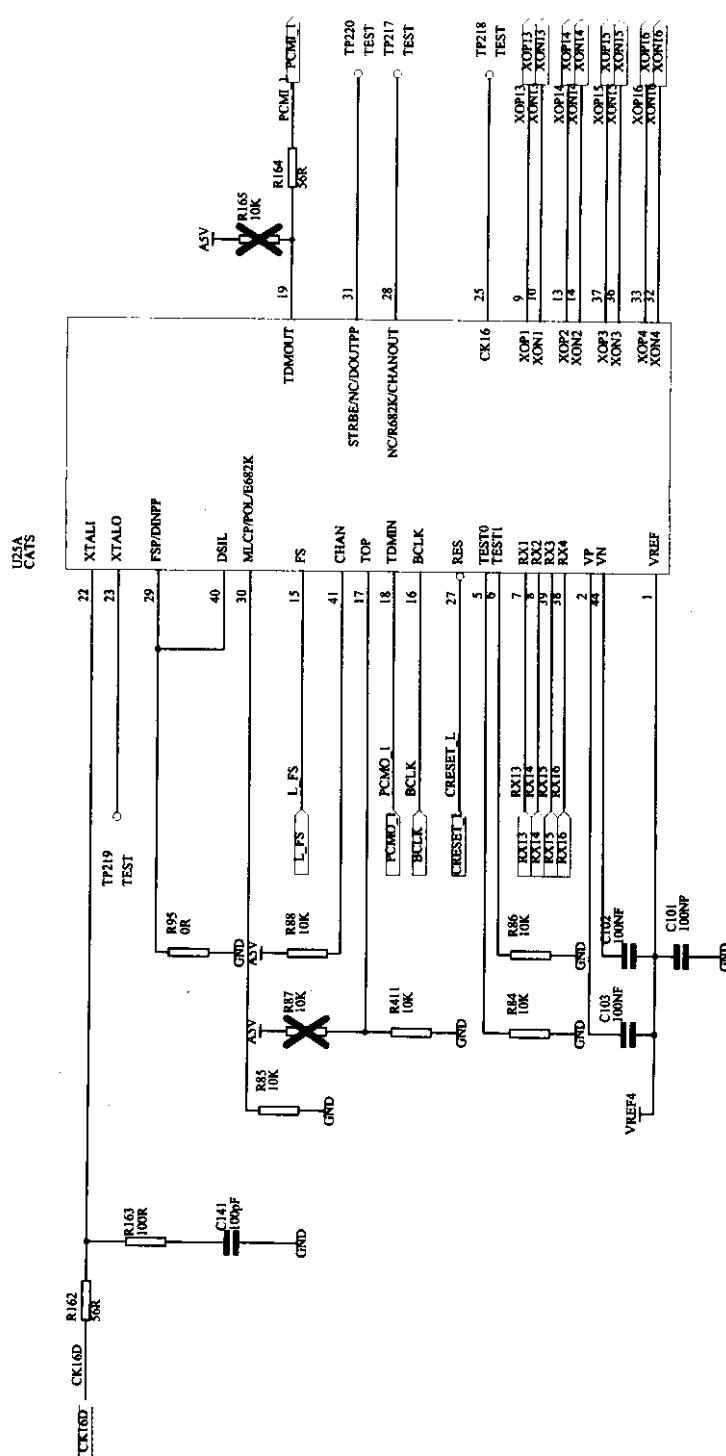
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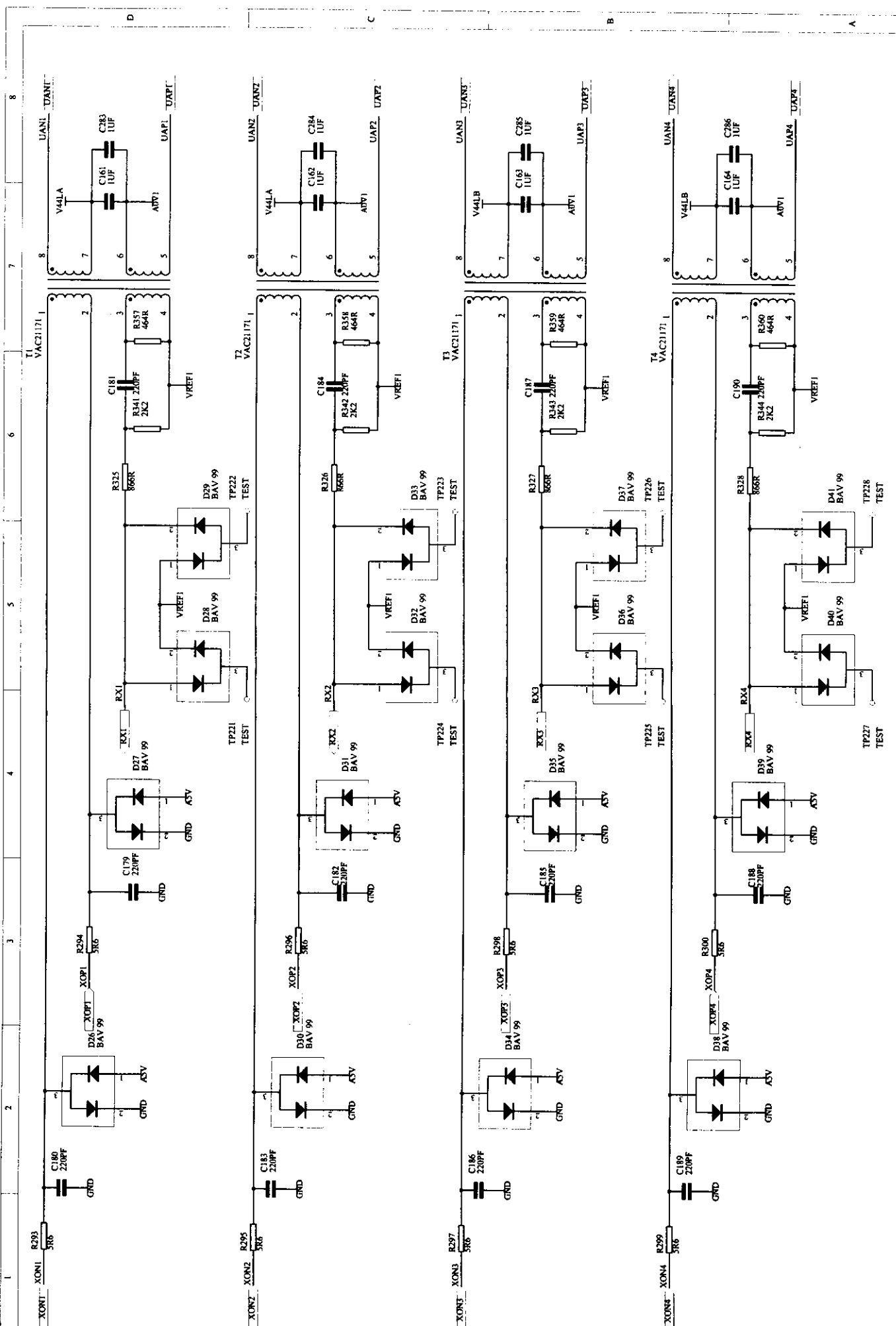


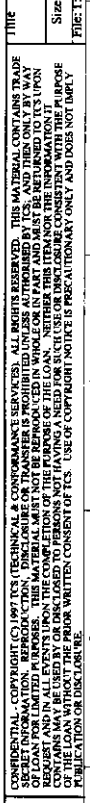
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England. ST7 1TL

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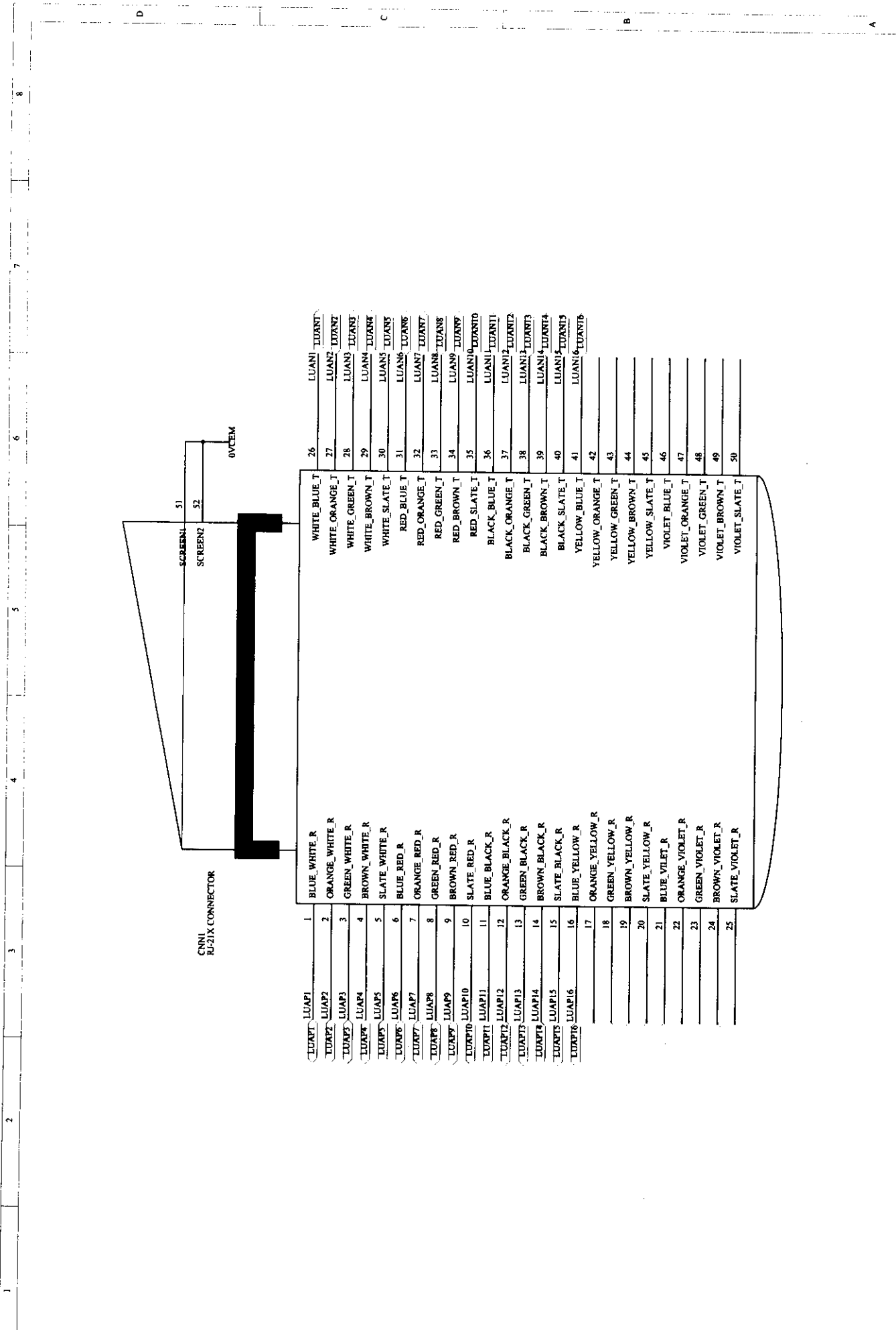




NOTE B: ALL 220PF CAPACITORS ON OUTPUT SIDE OF EMI TRANSFORMERS NEED TO BE PLACED AS CLOSE TO THE RJ-21X CONNECTOR AS POSSIBLE.



TCS



CMMI
BU-21X CONNECTOR

1	BLUE_WHITE_R	26	WHITE_BLUE_T
2	ORANGE_WHITE_R	27	WHITE_ORANGE_T
3	GREEN_WHITE_R	28	WHITE_GREEN_T
4	BROWN_WHITE_R	29	WHITE_BROWN_T
5	SLATE_WHITE_R	30	WHITE_SLATE_T
6	BLUE_RED_R	31	RED_BLUE_T
7	ORANGE_RED_R	32	RED_ORANGE_T
8	GREEN_RED_R	33	RED_GREEN_T
9	BROWN_RED_R	34	RED_BROWN_T
10	SLATE_RED_R	35	RED_SLATE_T
11	BLUE_BLACK_R	36	BLACK_BLUE_T
12	ORANGE_BLACK_R	37	BLACK_ORANGE_T
13	GREEN_BLACK_R	38	BLACK_GREEN_T
14	BROWN_BLACK_R	39	BLACK_BROWN_T
15	SLATE_BLACK_R	40	BLACK_SLATE_T
16	BLUE_YELLOW_R	41	YELLOW_BLUE_T
17	ORANGE_YELLOW_R	42	YELLOW_ORANGE_T
18	GREEN_YELLOW_R	43	YELLOW_GREEN_T
19	BROWN_YELLOW_R	44	YELLOW_BROWN_T
20	SLATE_YELLOW_R	45	YELLOW_SLATE_T
21	BLUE_VIOLET_R	46	VIOLET_BLUE_T
22	ORANGE_VIOLET_R	47	VIOLET_ORANGE_T
23	GREEN_VIOLET_R	48	VIOLET_GREEN_T
24	BROWN_VIOLET_R	49	VIOLET_BROWN_T
25	SLATE_VIOLET_R	50	VIOLET_SLATE_T

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Kiddgrove
State-on-Trent, Staffs.
England, S17 1TL
Sheet 25 of 25

TCS

Operating Speeds**Clocks (oscillators and crystals)**

<i>Clock</i>	<i>Usage</i>
65.536MHz	- SC4000 Switching Matrix/HC 100 interface
33MHz	- PCI bus to host equipment
16.384MHz	- PCI bus circuit
16.384MHz	- Core micro controller/ Serial Debug Port
12.8MHz	- CPLD
4.096MHz	- Secondary Line Interface circuitry

Video Resolutions

Not applicable