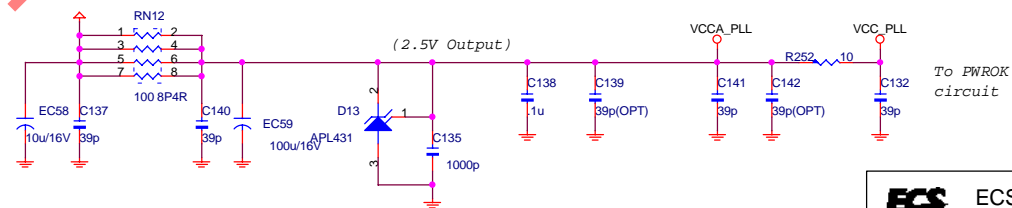
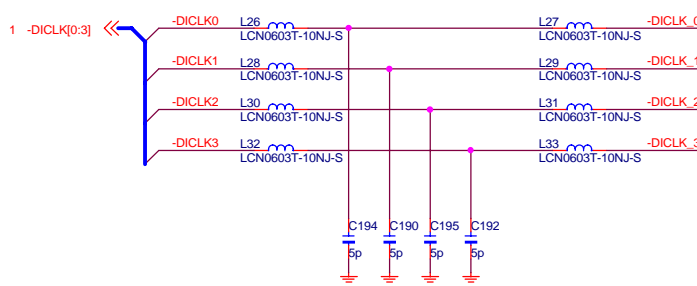
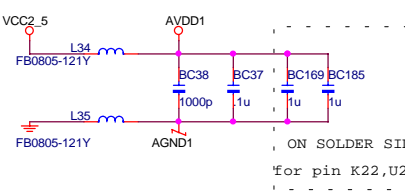
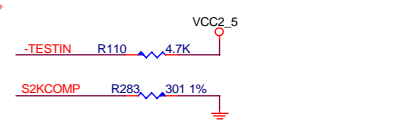
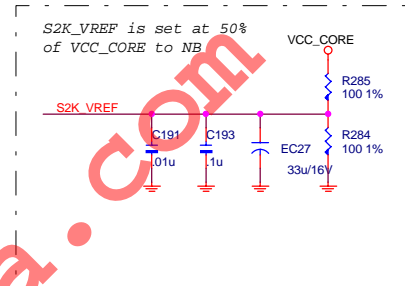
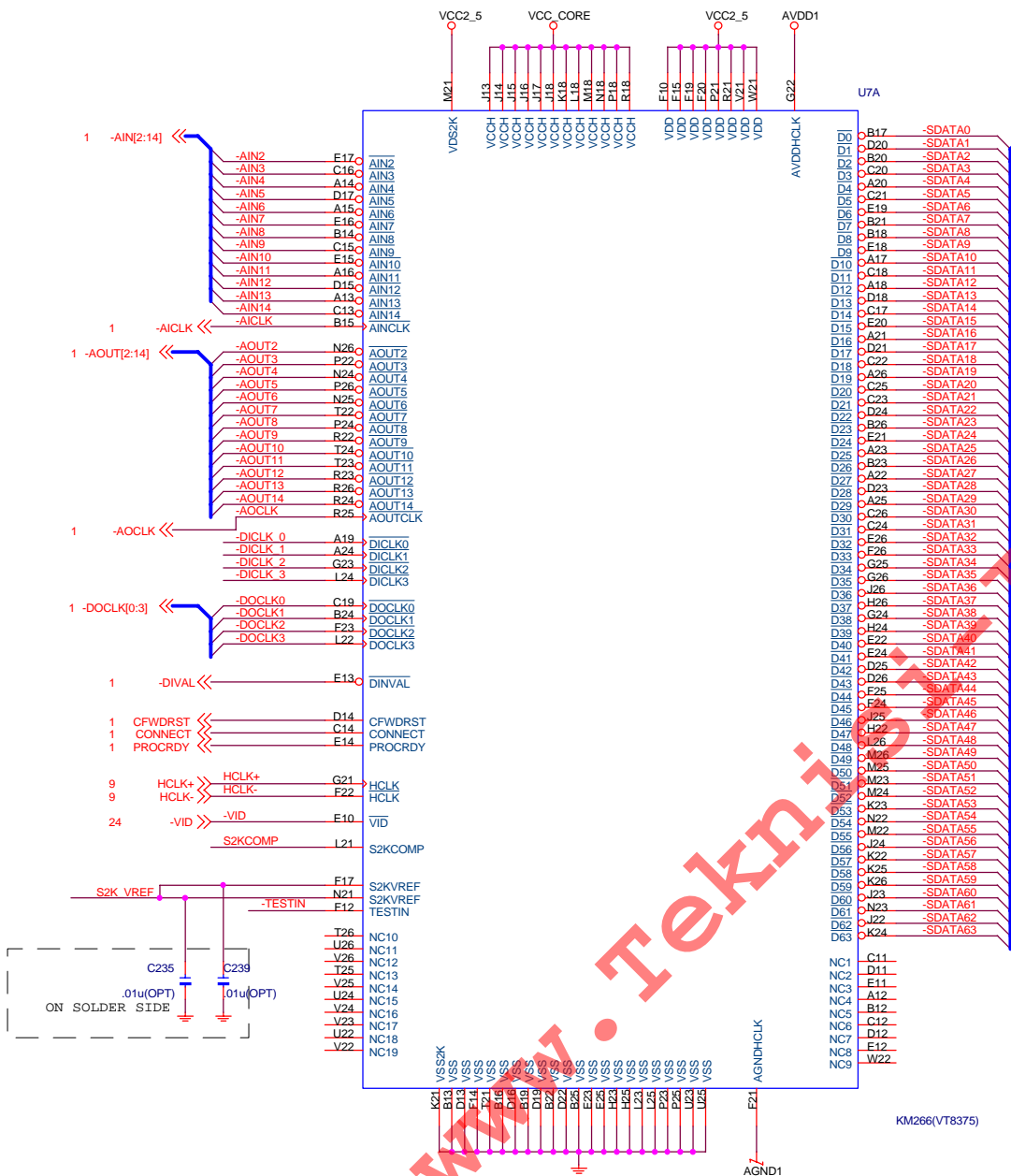


These 16 locations are for processor type keying for forwards and backwards compatibility. These key pins should be treated as NC pins.

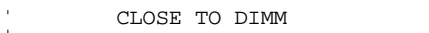
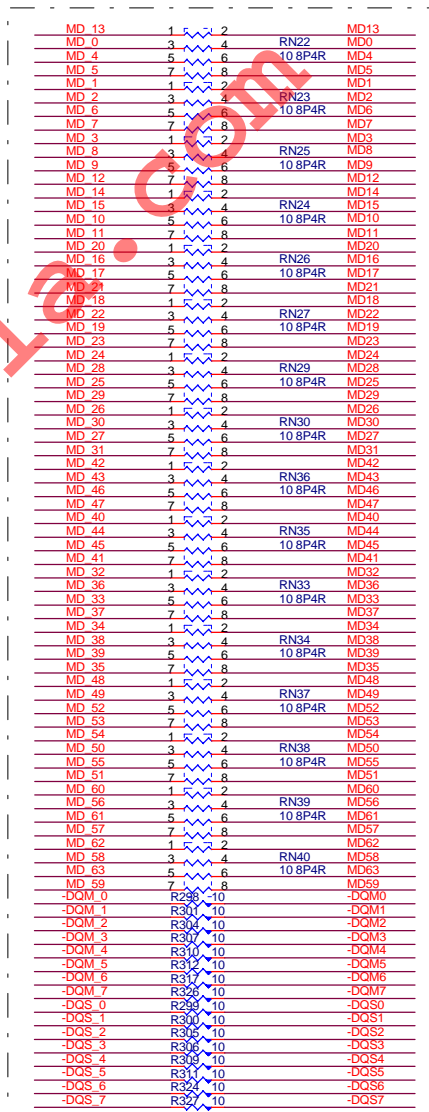
AMD Socket-A processors will not implement a pin at location AH6. When a socket that does not provide a pin hole at location AH6 is used a non-AMD PGA370 part will not fit into the Socket-A.

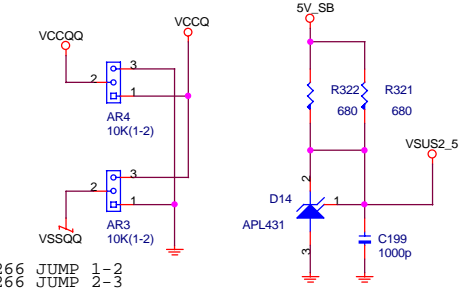
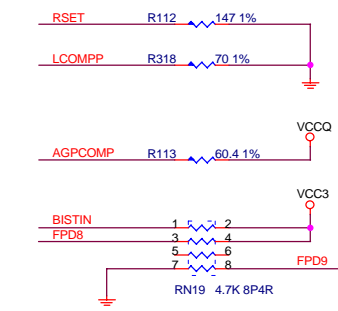
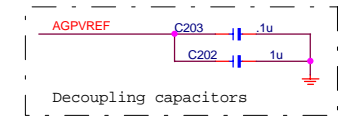
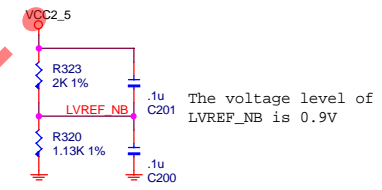
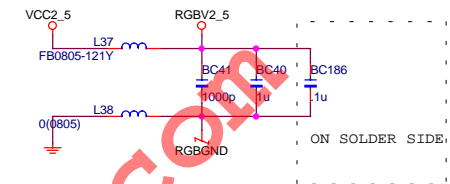
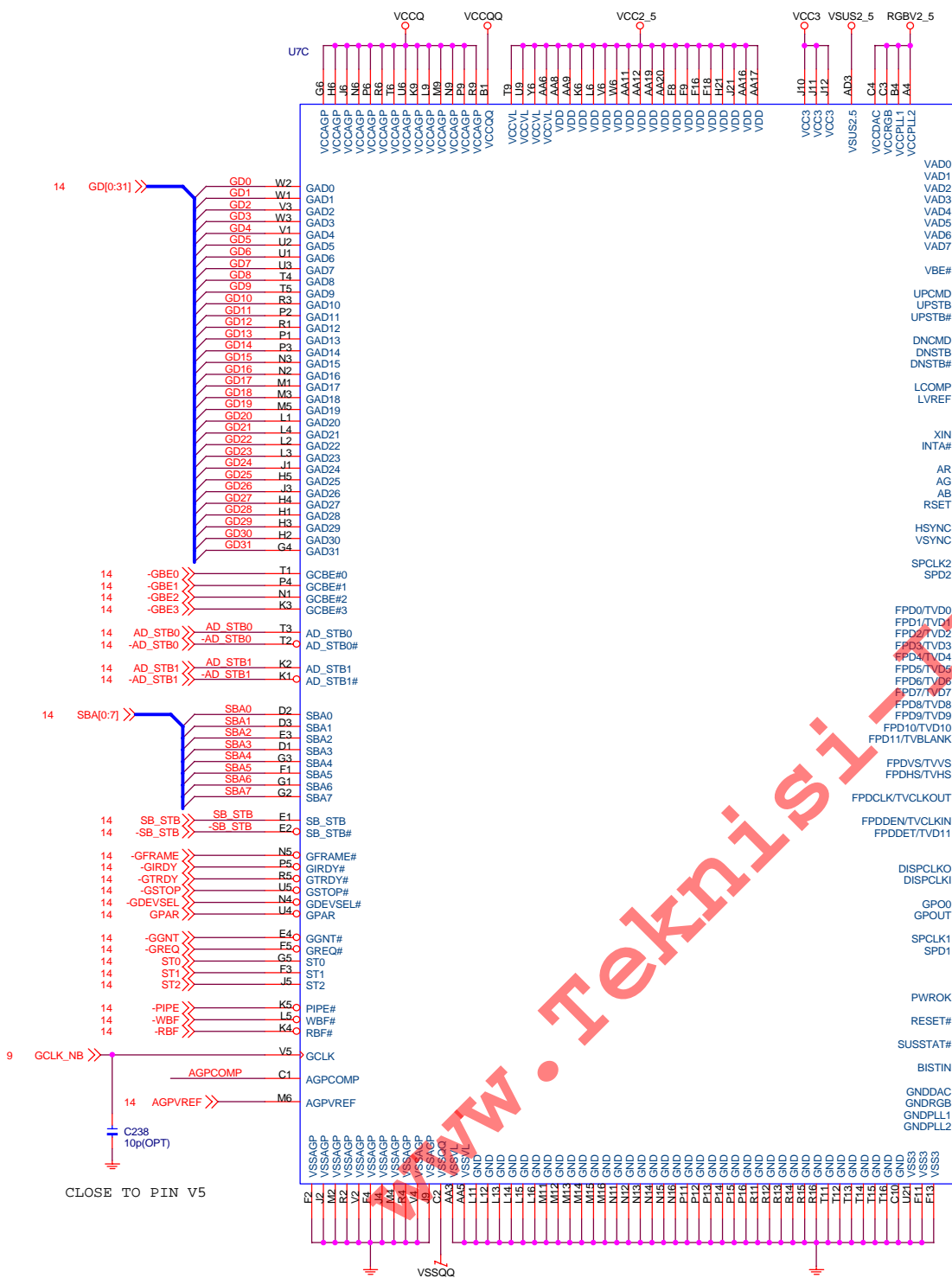


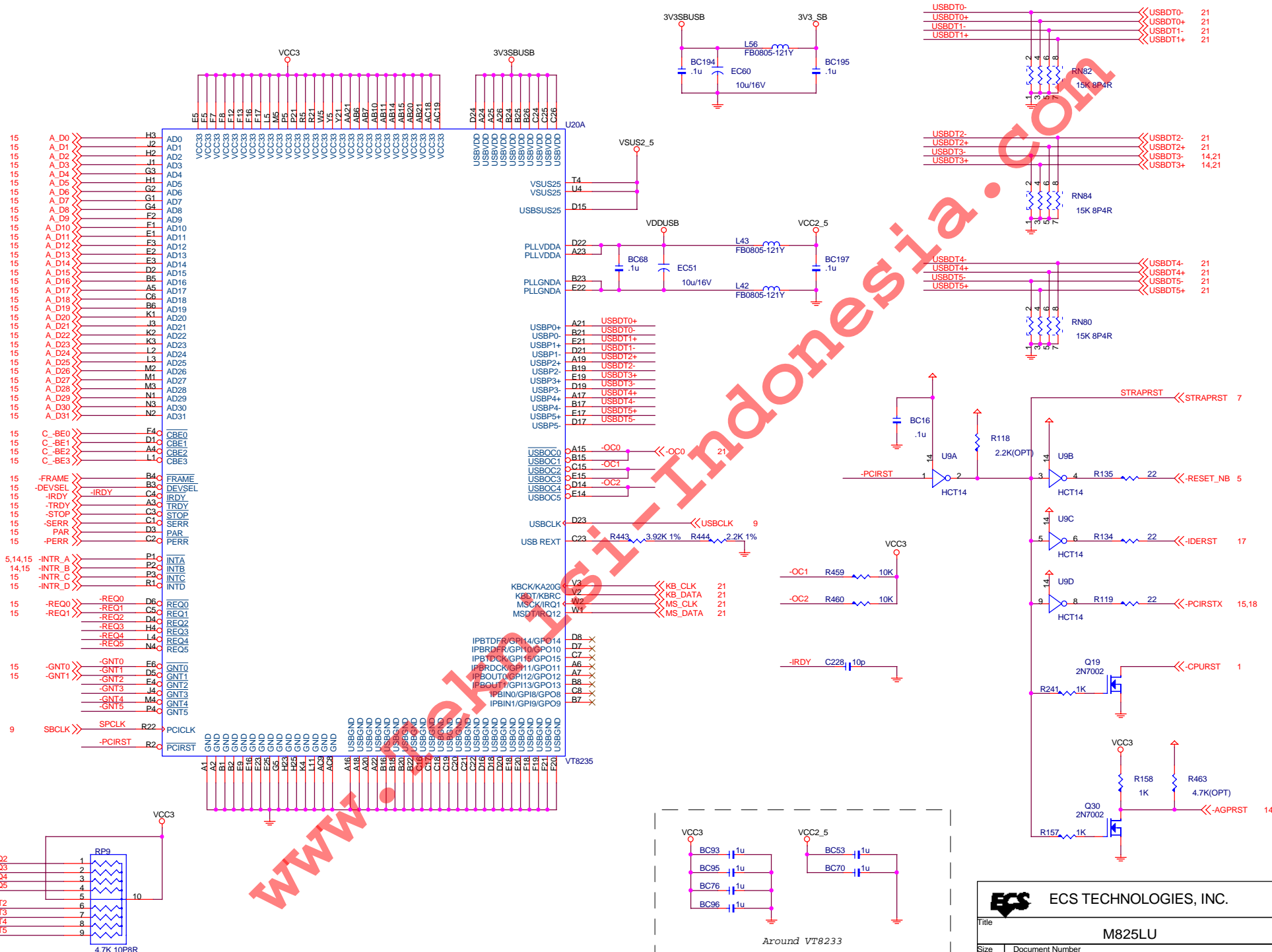


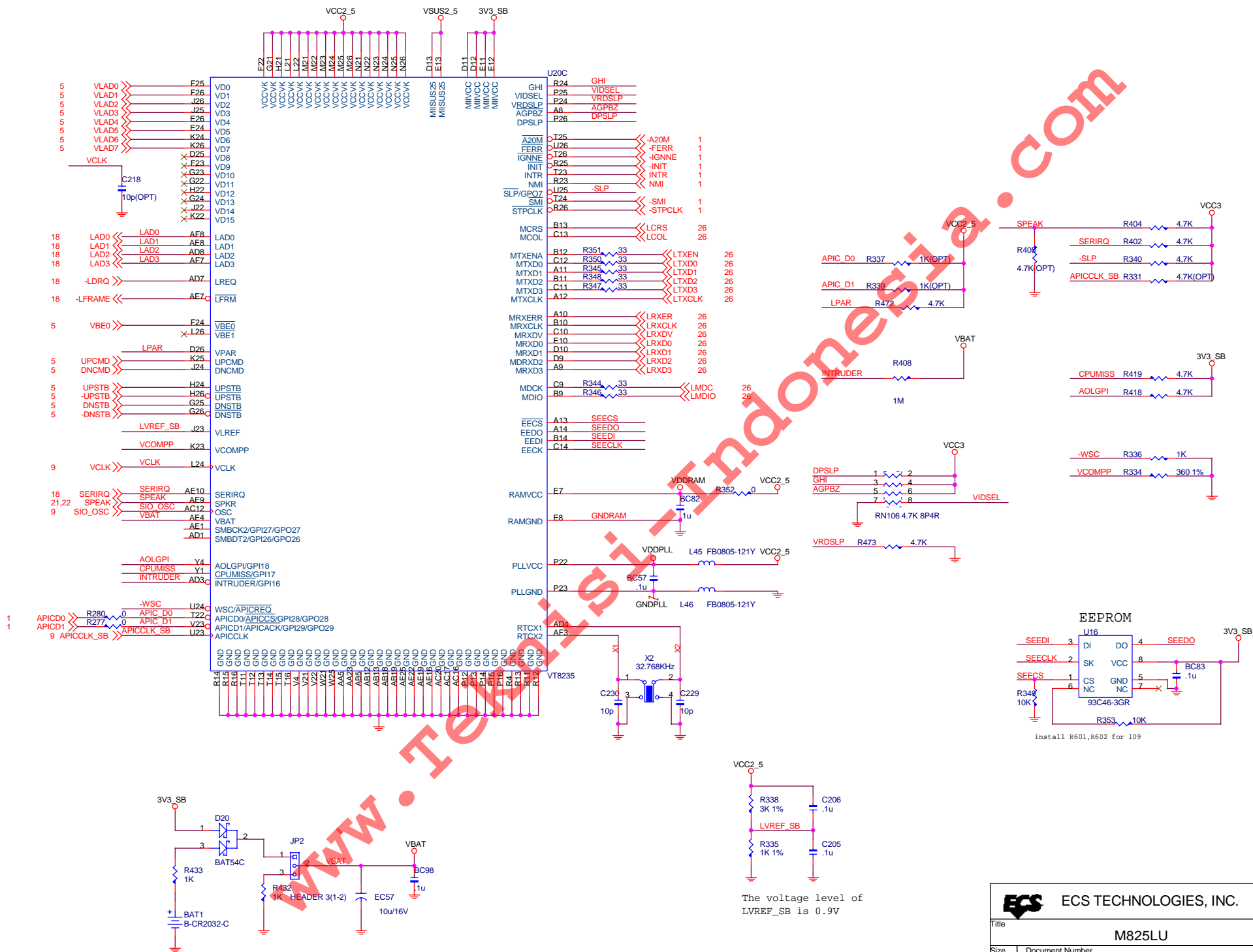
ECS TECHNOLOGIES, INC.

Title			M825ULR
Size	Document Number	Rev	
C	NORTH BRIDGE VT8375 (S2K)	3.0	
Date:	Thursday, November 21, 2002	Sheet	3 of 26



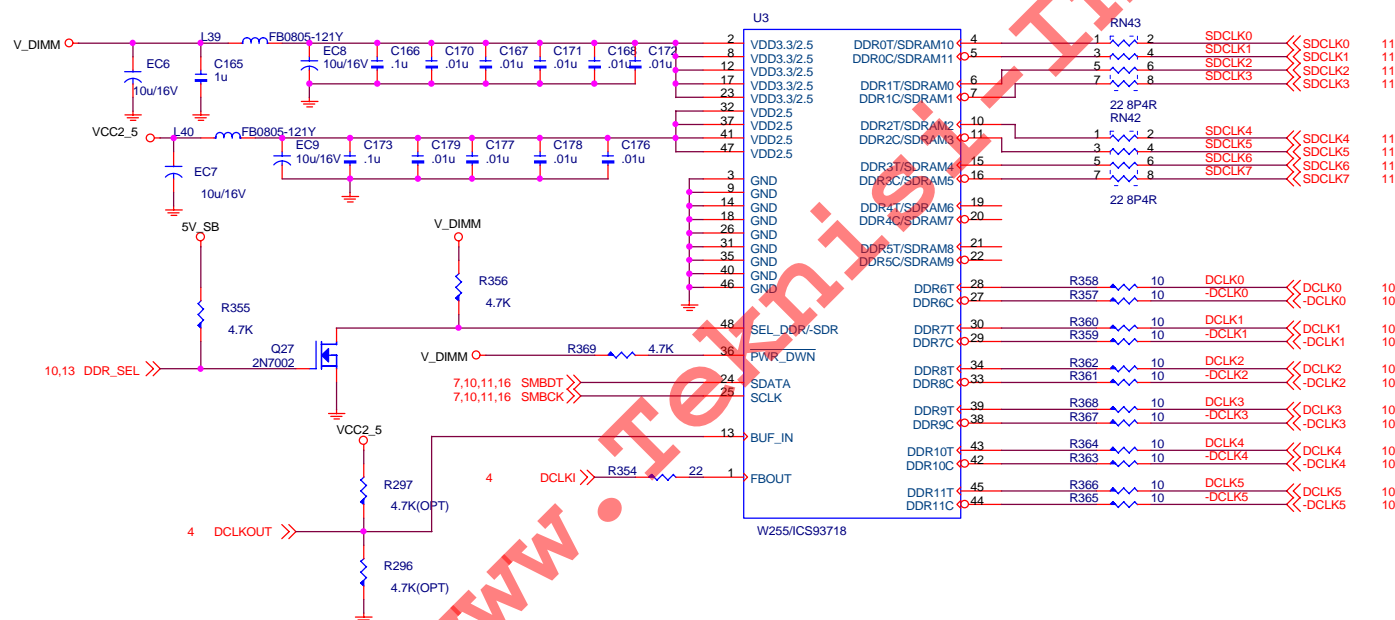
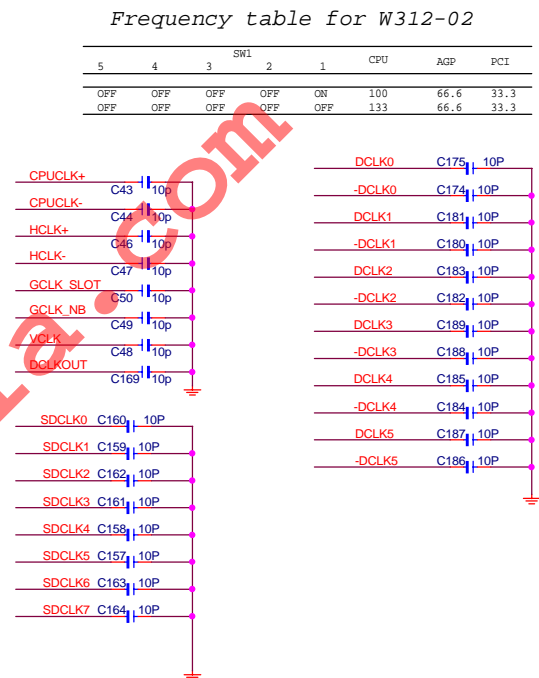




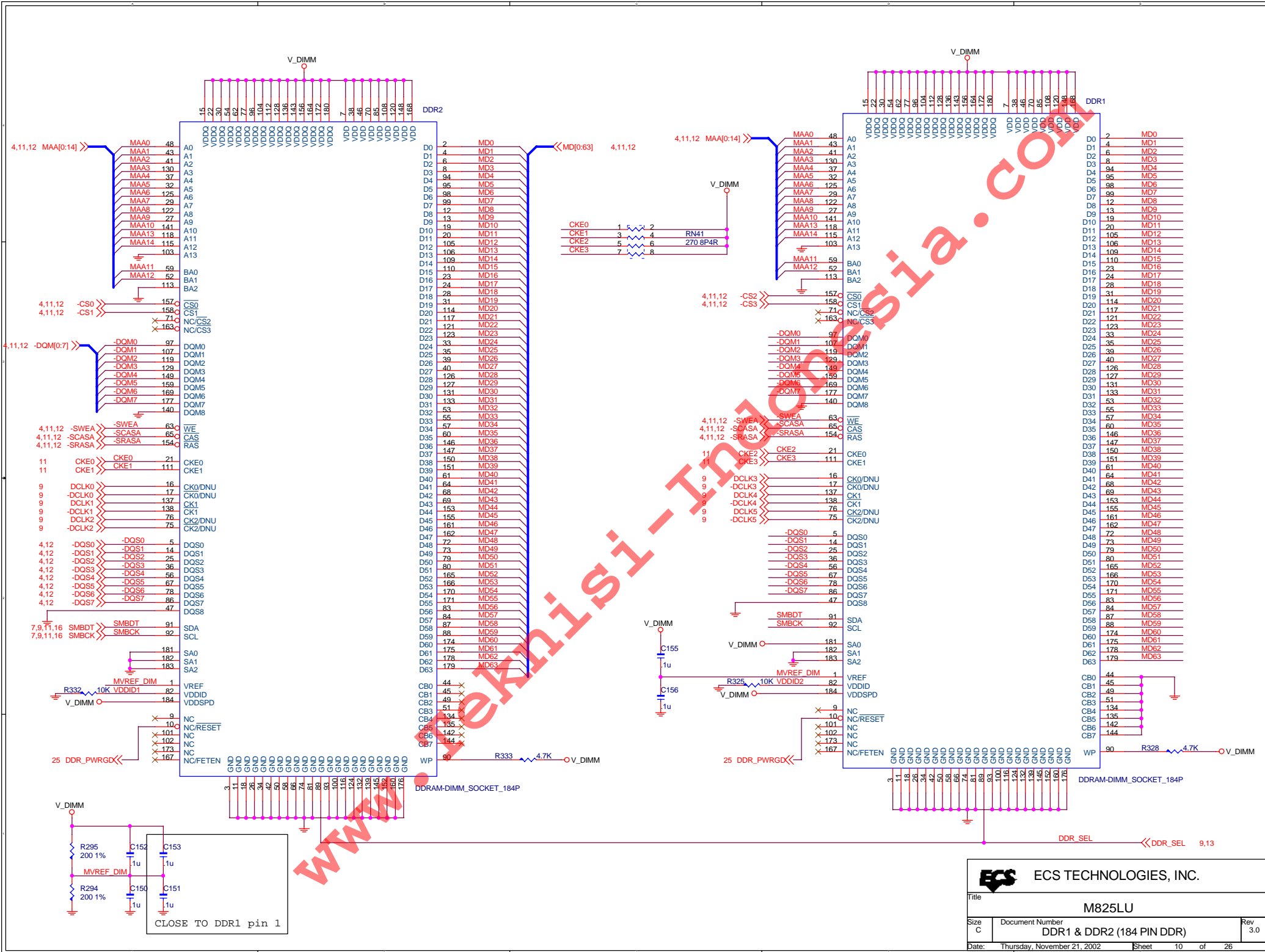


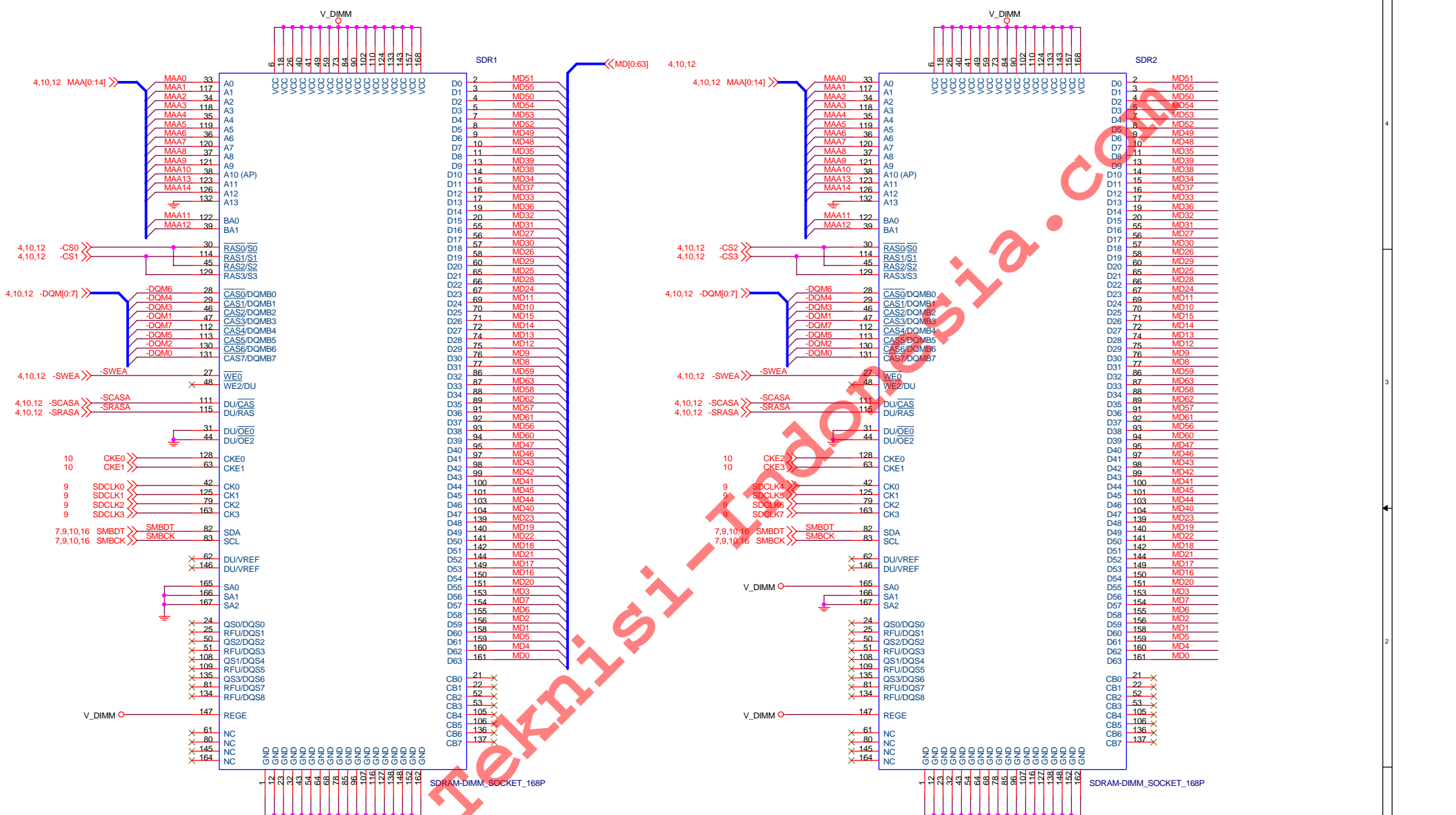
ECS TECHNOLOGIES, INC.

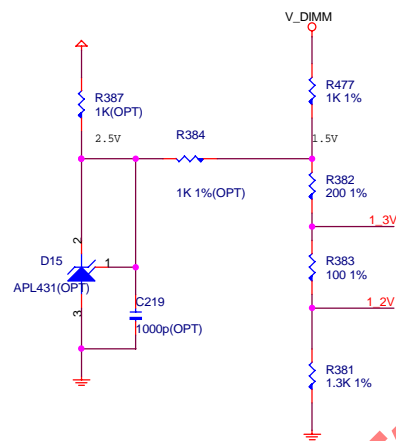
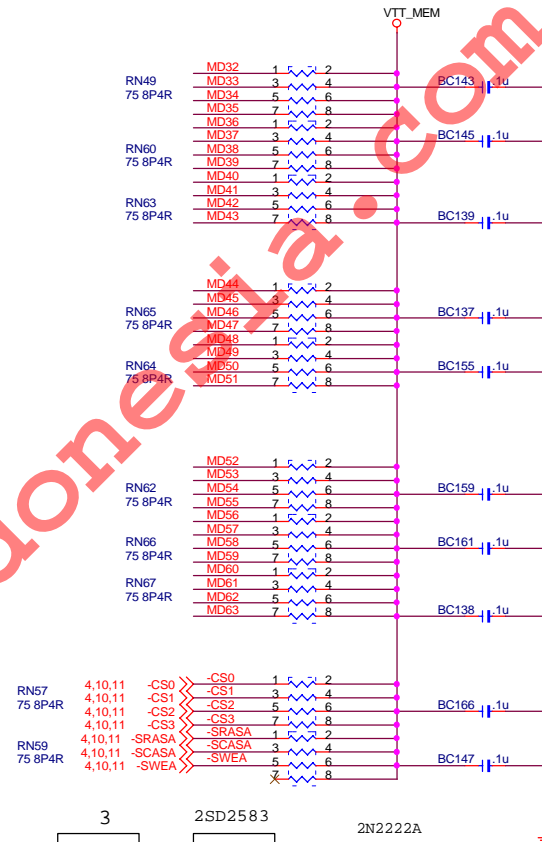
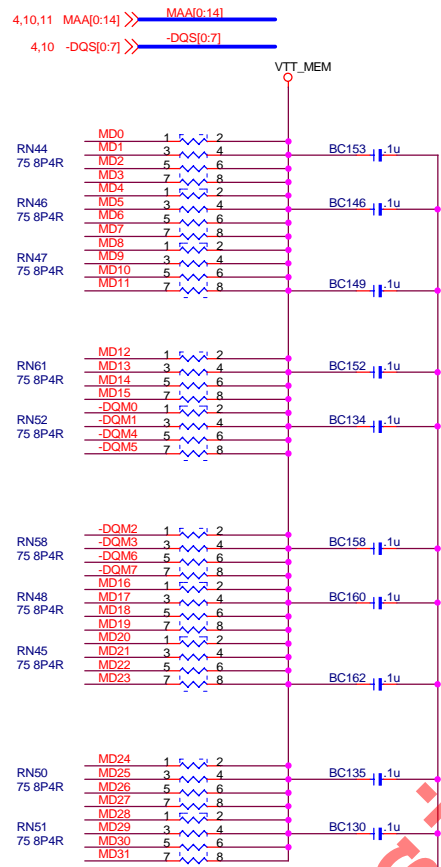
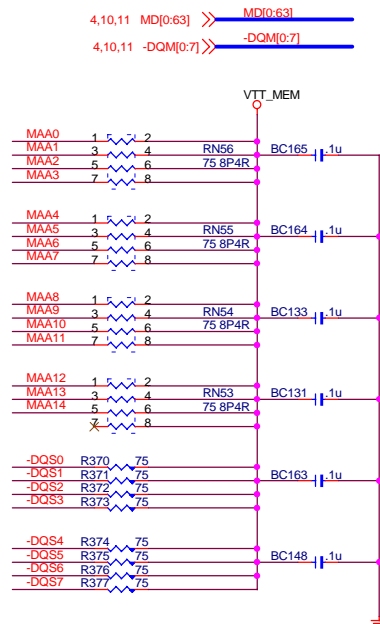
Title		M825LU	
Size	Document Number	SOUTH BRIDGE VT8233 (LPC, LAN, VLINK)	
C		Rev 3.0	
Date:	Thursday, November 21, 2002	Sheet	8 of 26



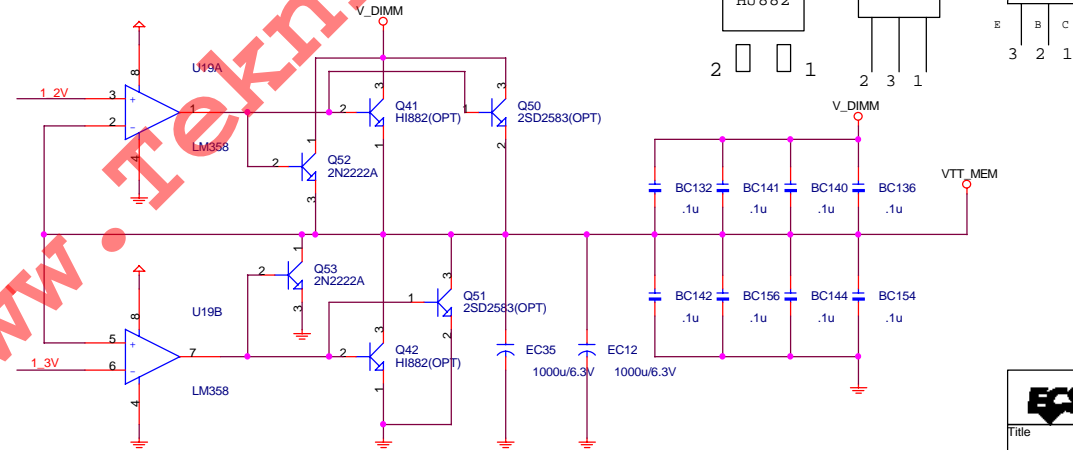
JP3 : 1-2 CPU CLK 100M
2-3 CPU CLK 133M







ADD NEW



ADD NEW



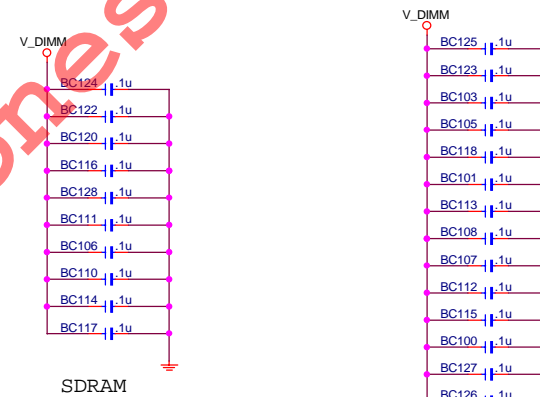
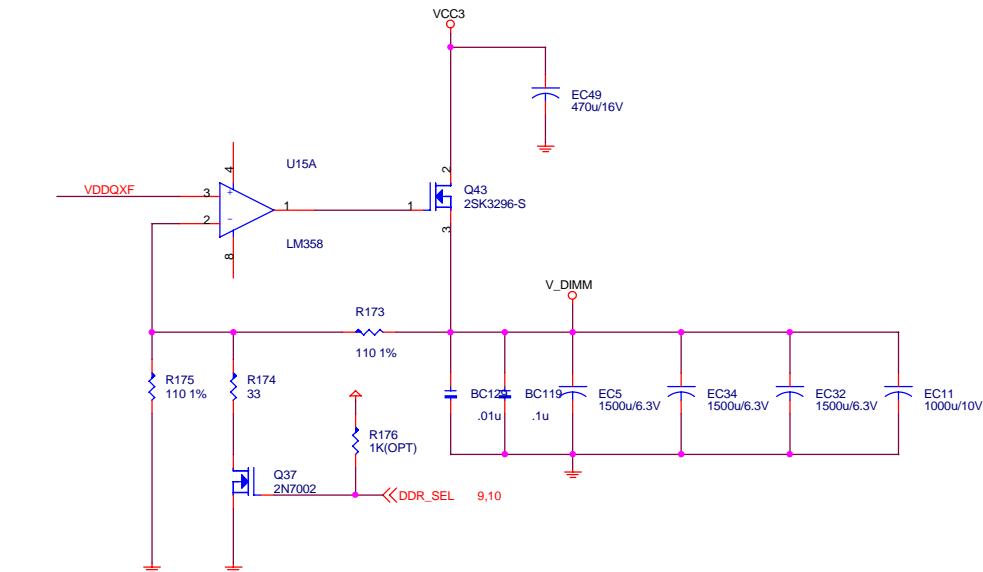
ECS TECHNOLOGIES, INC.

Title M825LU

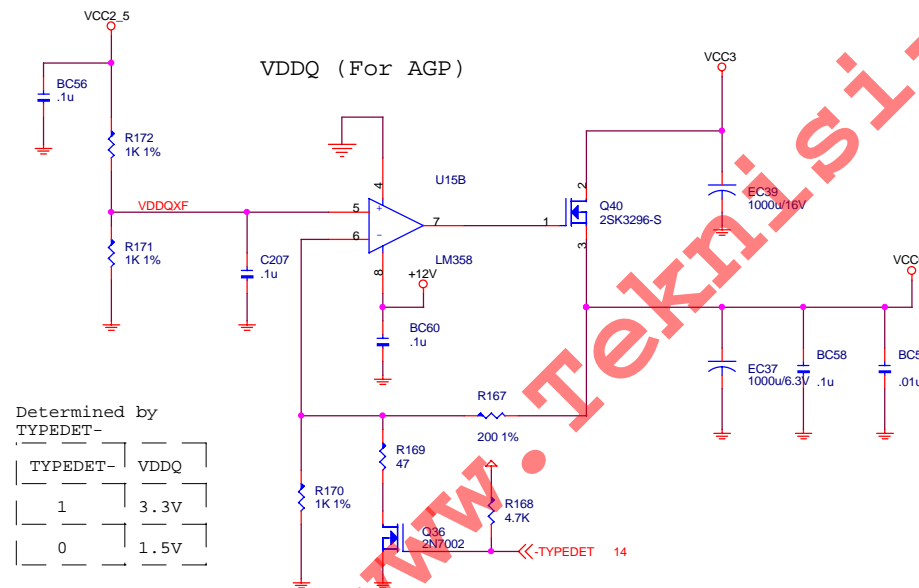
Size C Document Number DIMM VTT & DDR TERMINATION

Rev 3.0

Date: Thursday, November 21, 2002 Sheet 12 of 26

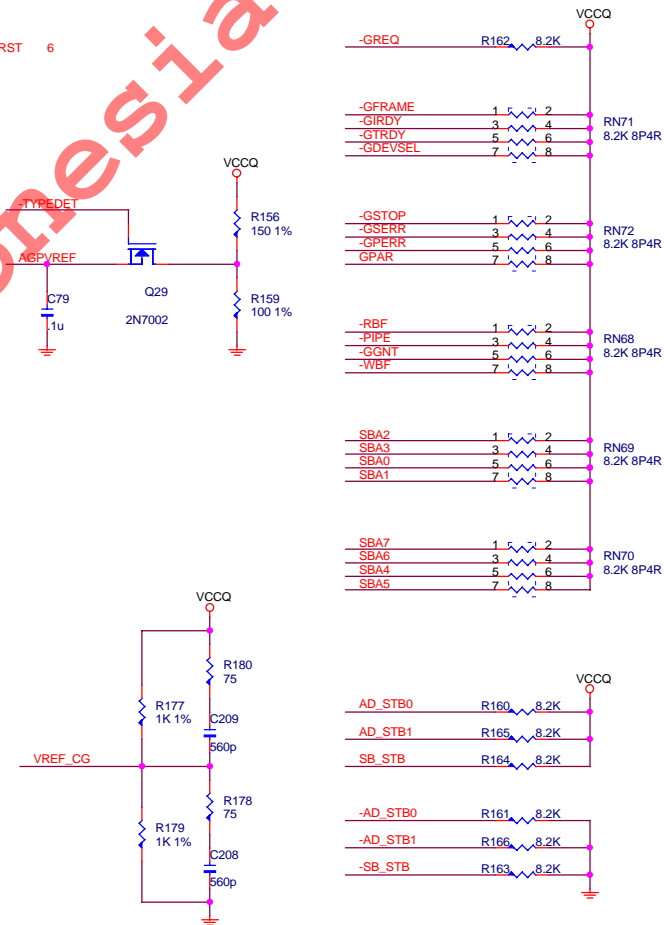
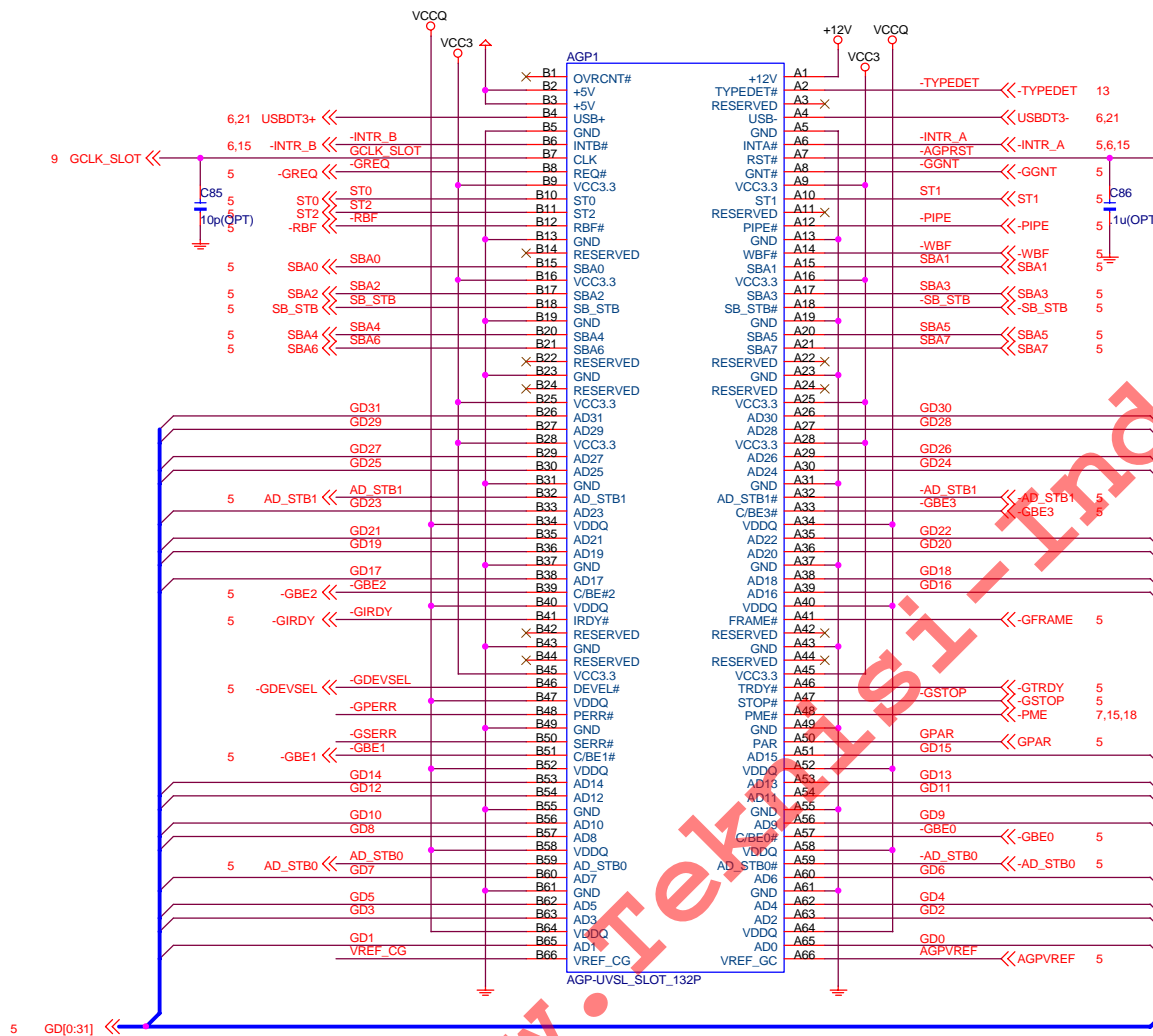


Decoupling capacitors (Place near DDR SDRAM DIMM modules)

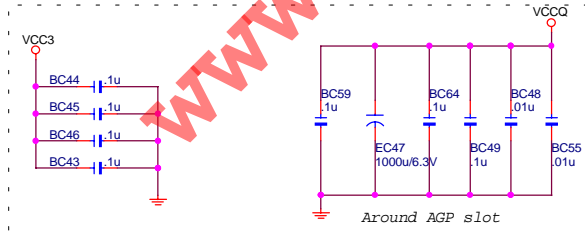


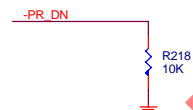
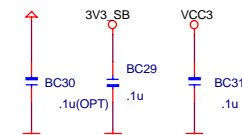
Determined by
TYPEDET-

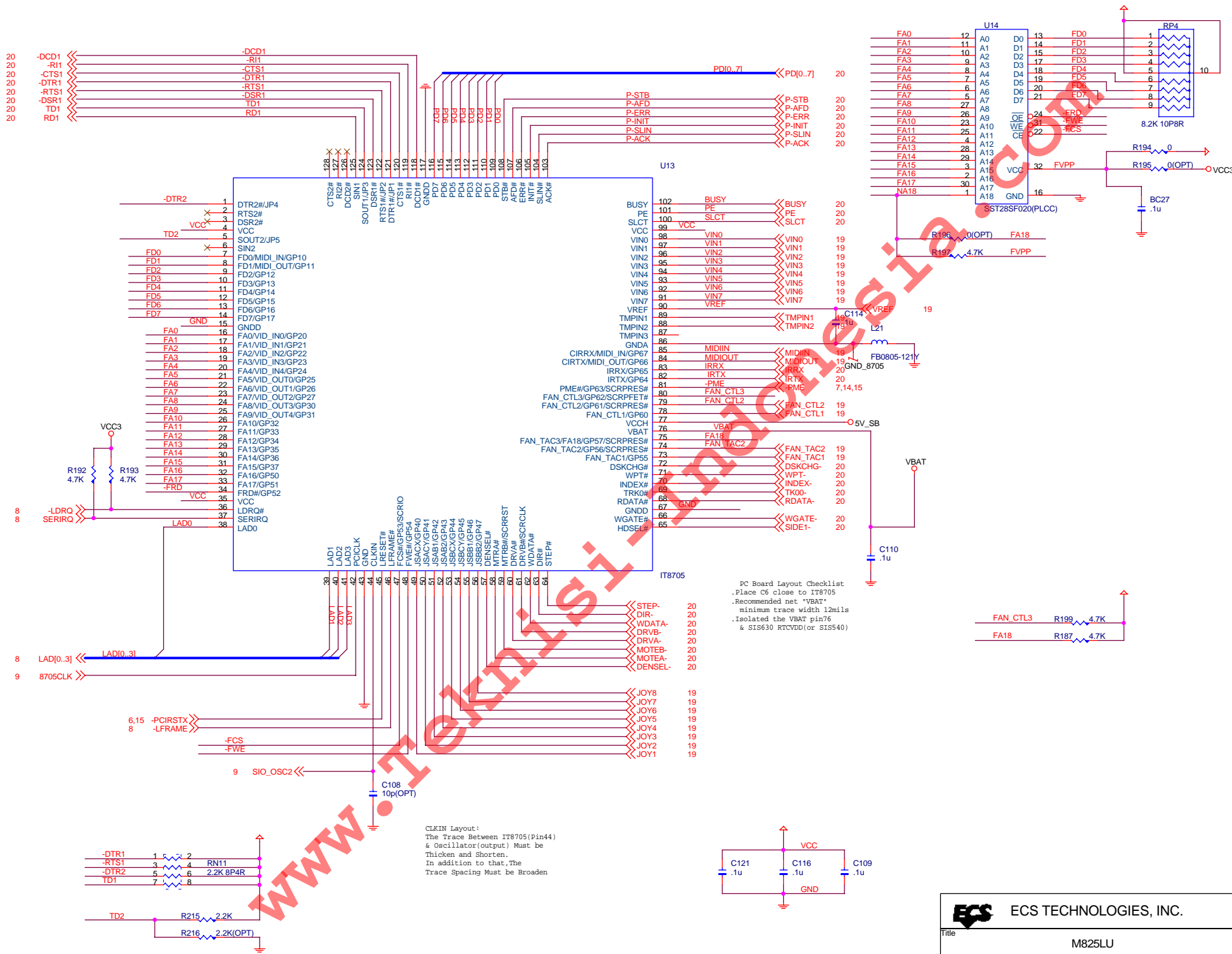
TYPEDET-	VDDQ
1	3.3V
0	1.5V

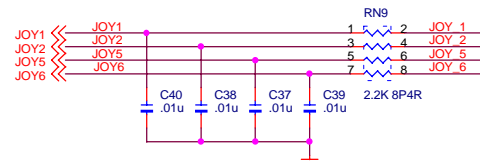
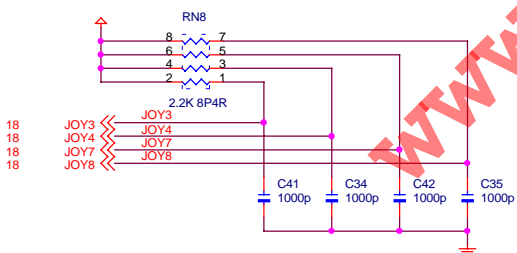
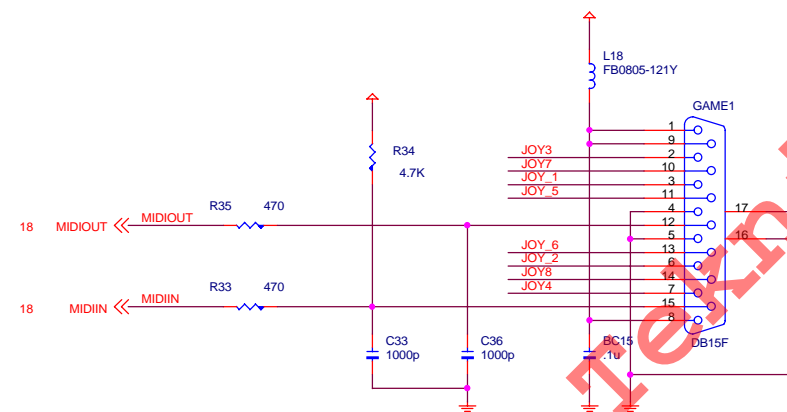
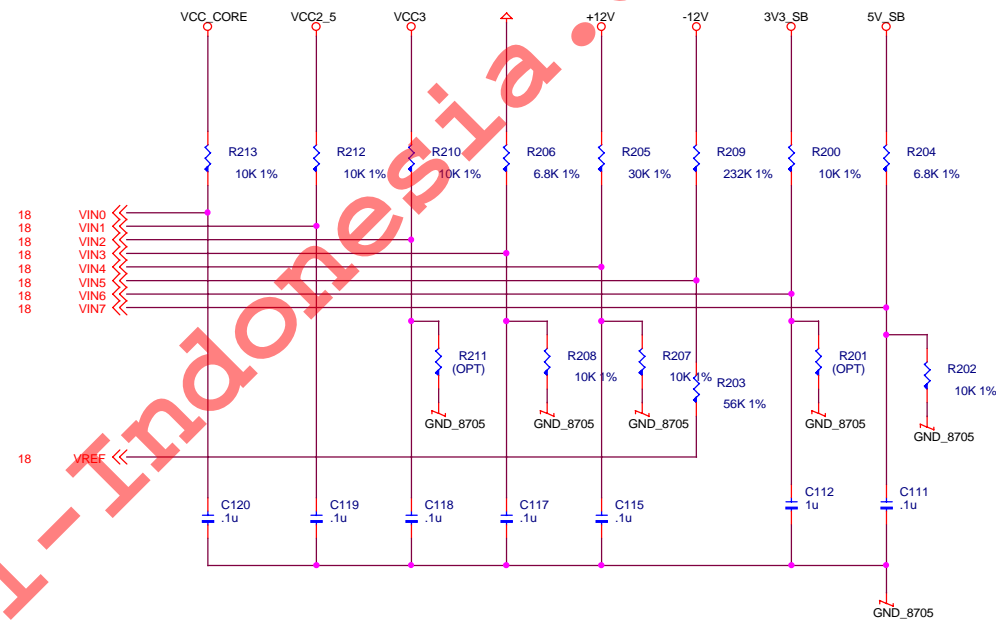
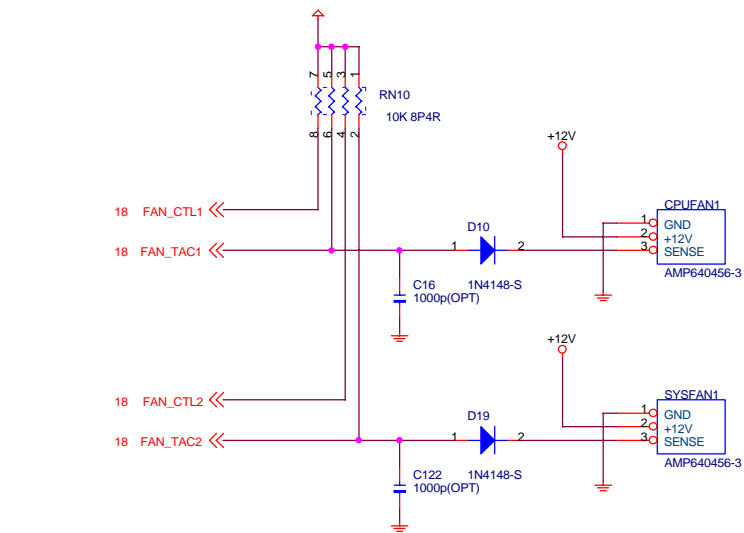


Place these bypassing capacitors near AGP slot.

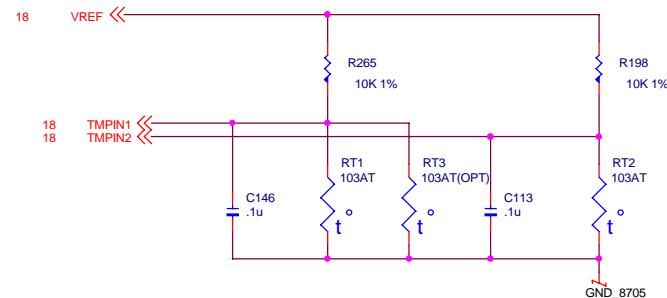


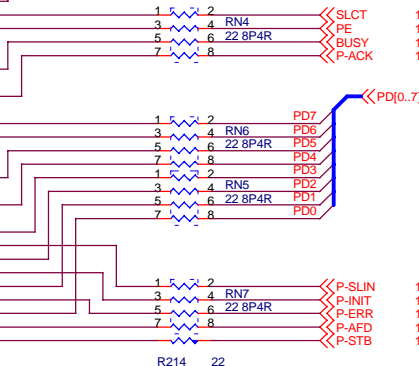
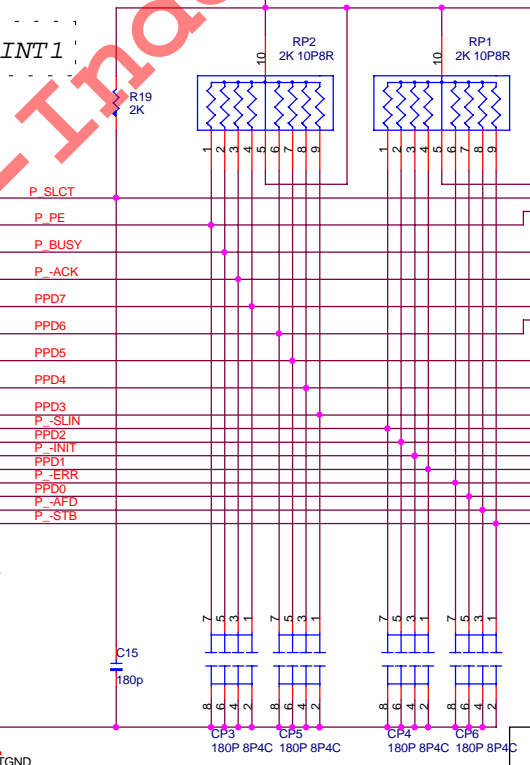
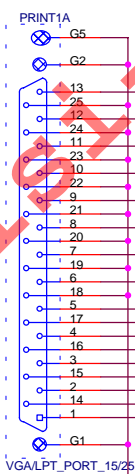
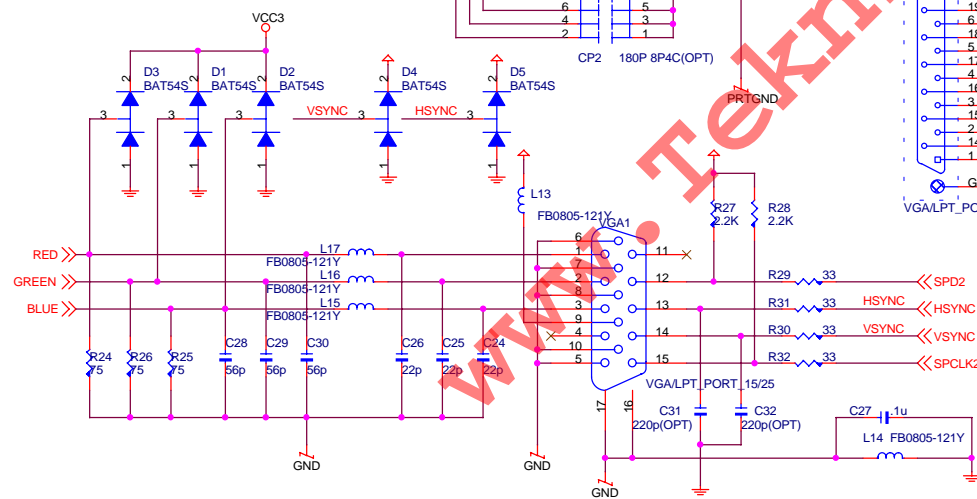
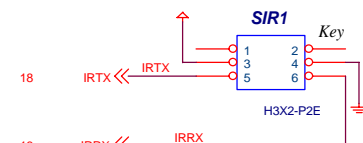
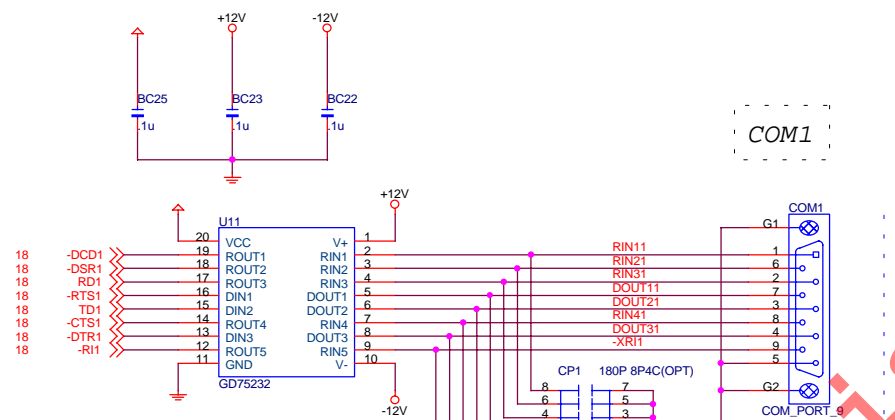
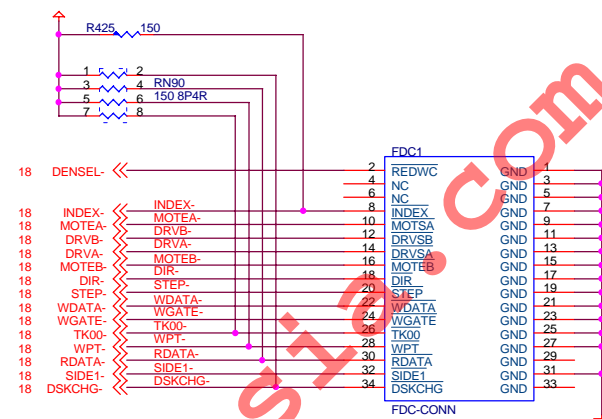


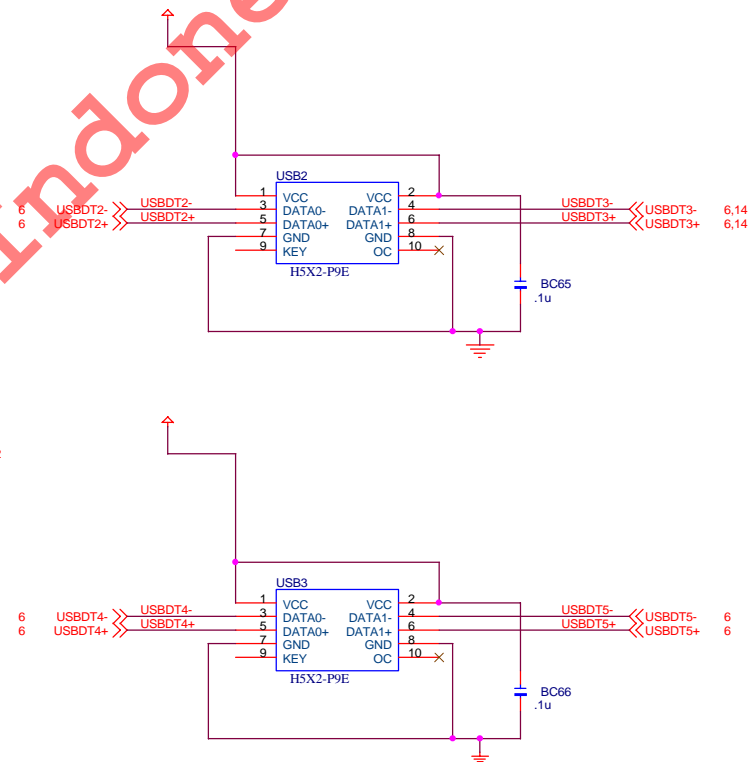
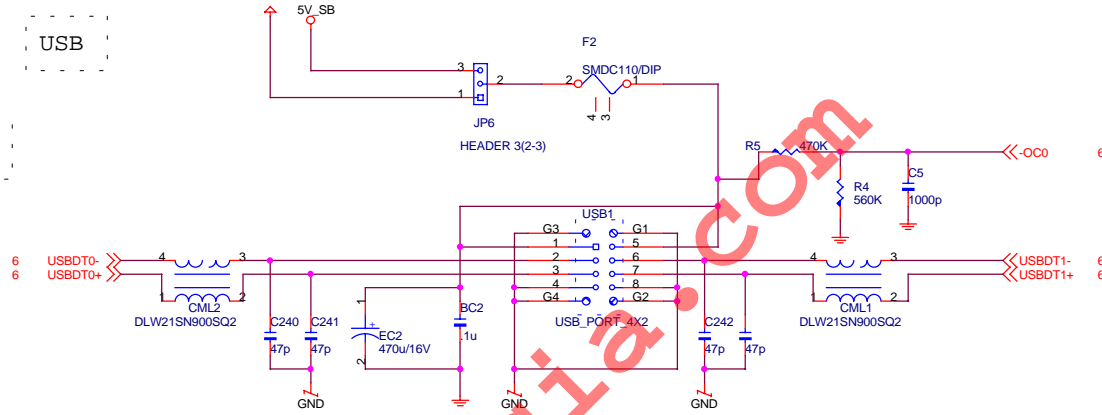


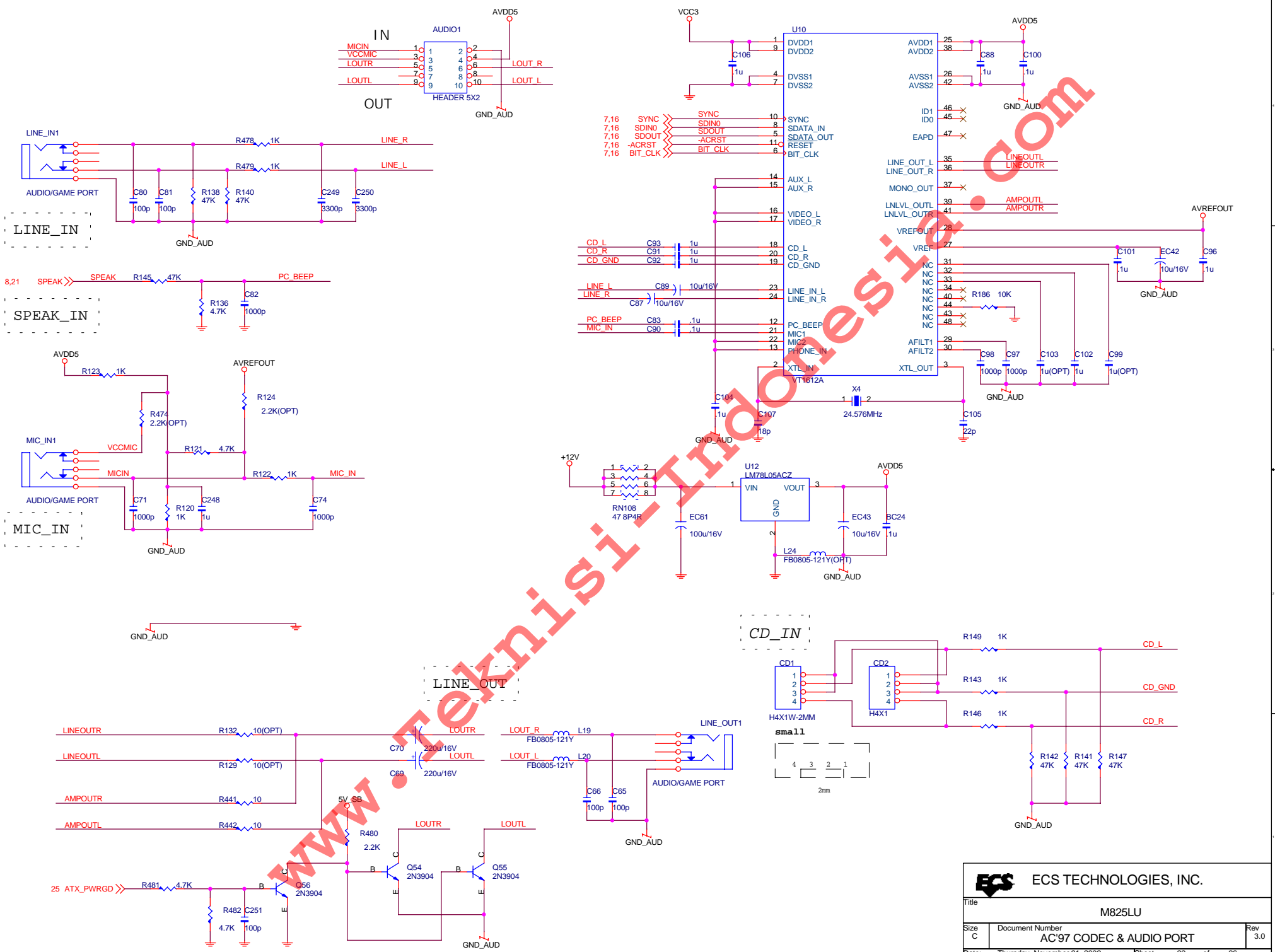


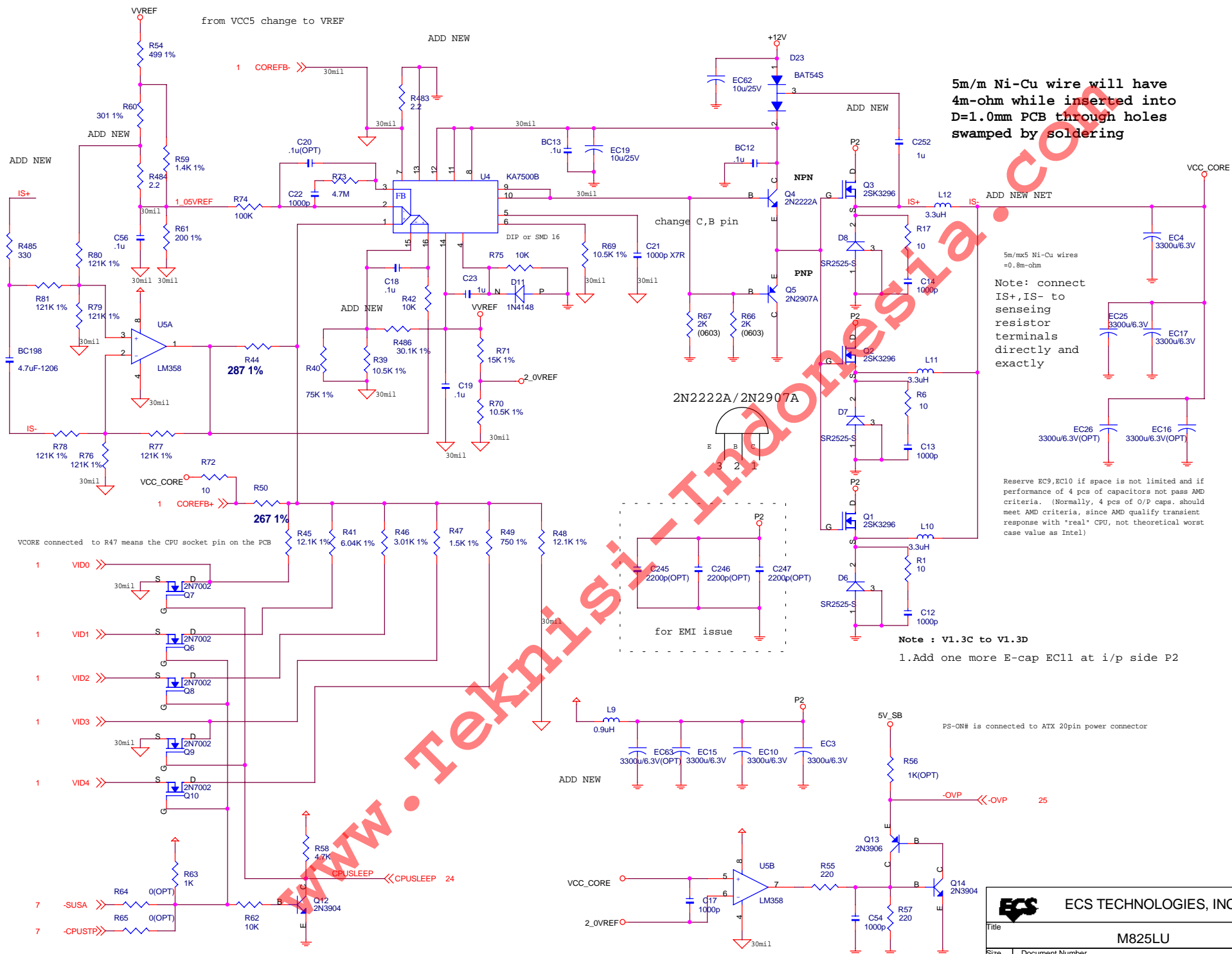
Thermal Diode layout notice:
a. Place T.D. close to IT8705F
b. Keep the trace away from: +12V, Fast data bus, CRTs.
c. Recommended trace widths & spacings is 10 miles.



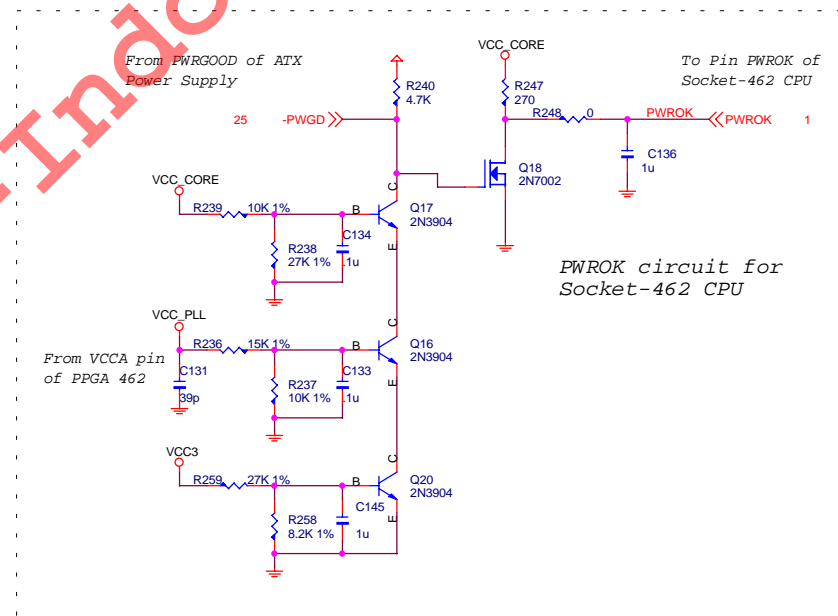
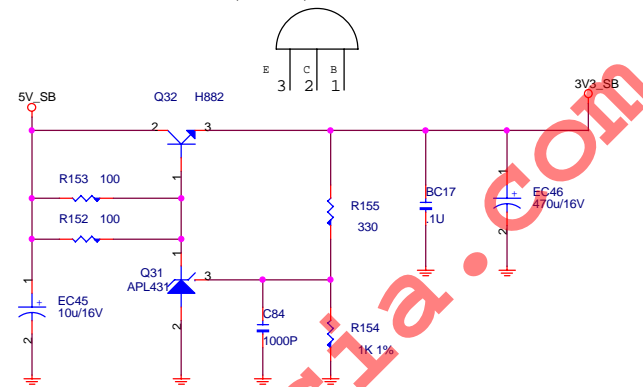
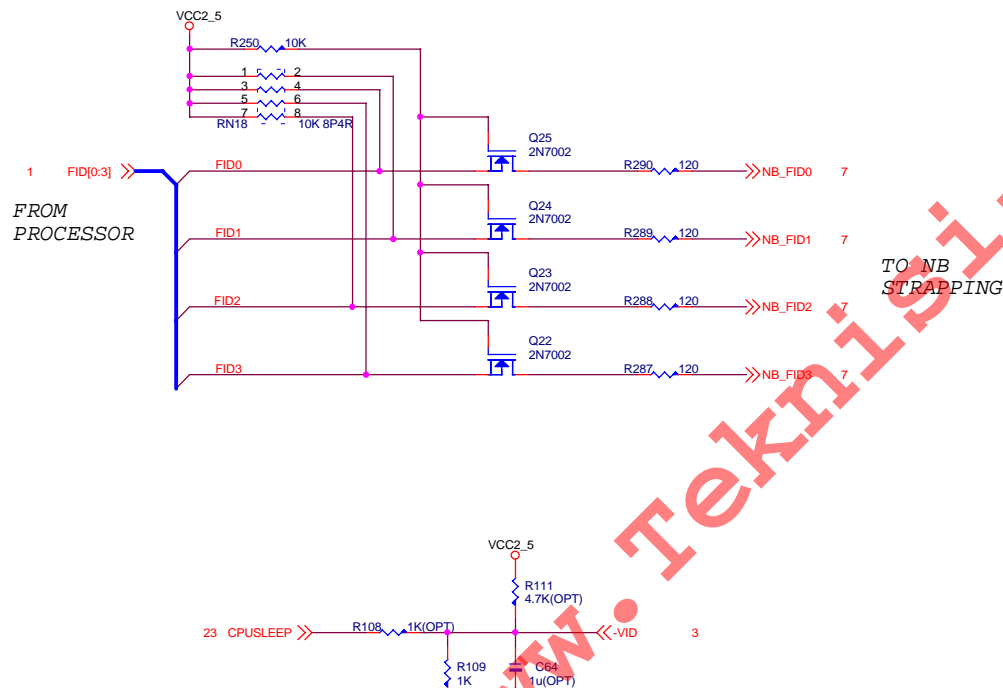
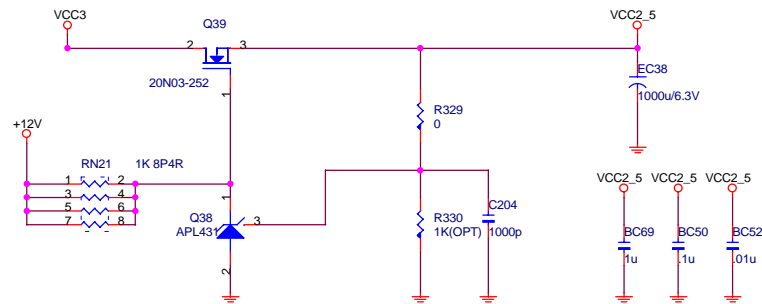








2.5V Supply to VCC25 power balls of NB
(locate near North Bridge)



ECS TECHNOLOGIES, INC.

Title

M825LU

Size

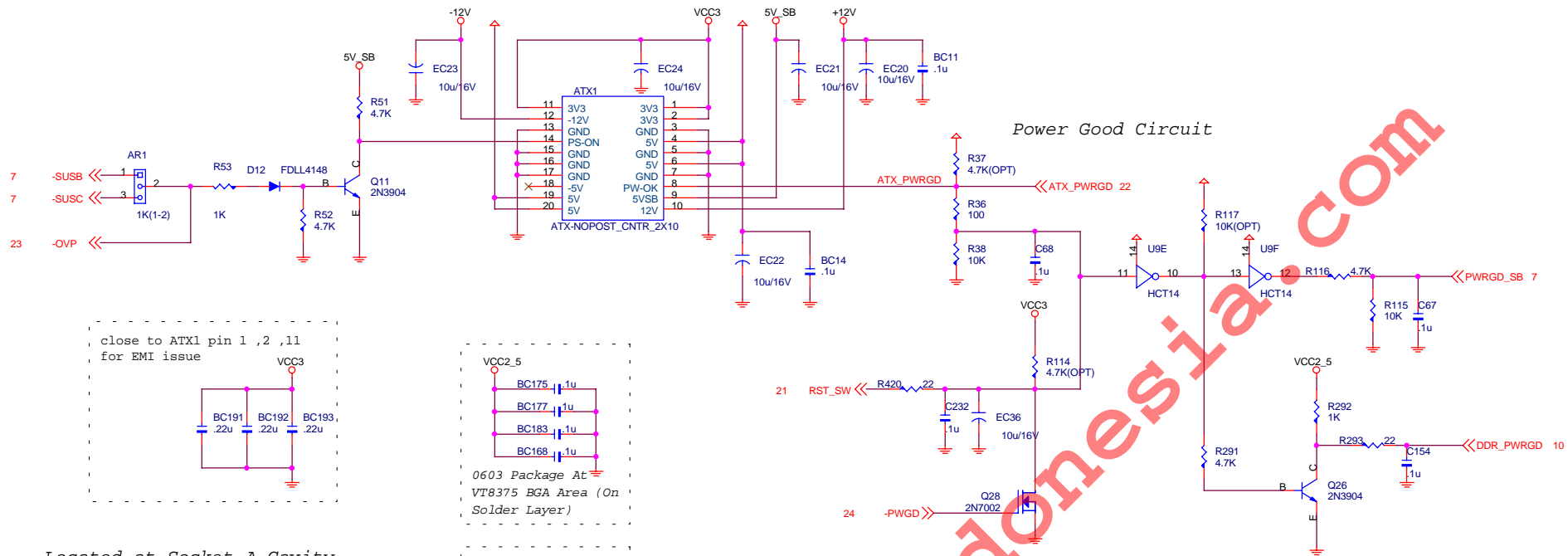
Document Number

DC-DC CONVERTERS/PWROK/FID

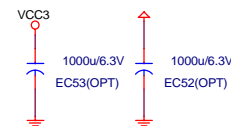
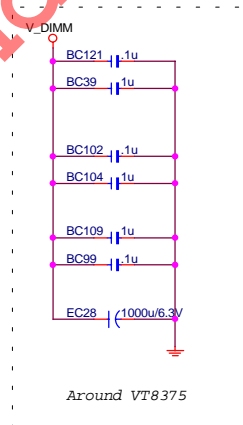
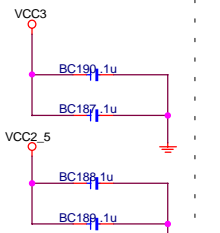
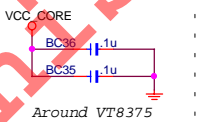
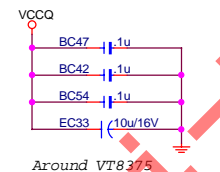
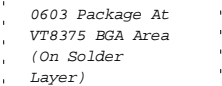
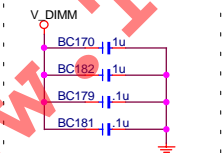
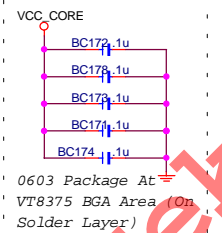
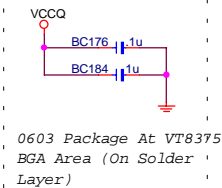
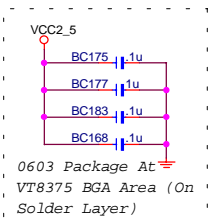
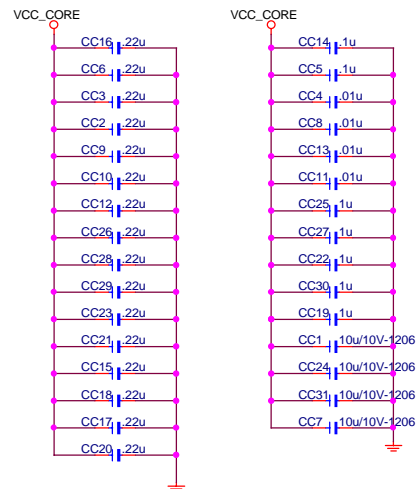
Rev
3.0

Date: Thursday, November 21, 2002

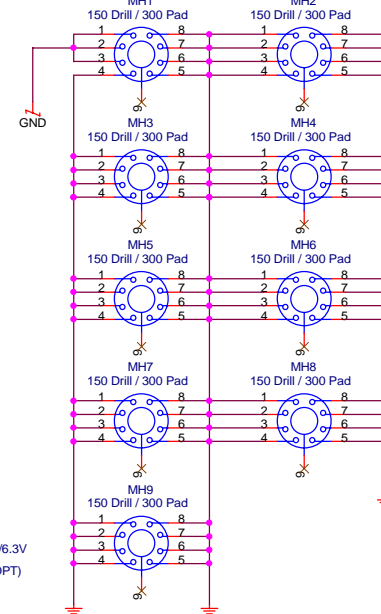
Sheet 24 of 26



Located at Socket-A Cavity



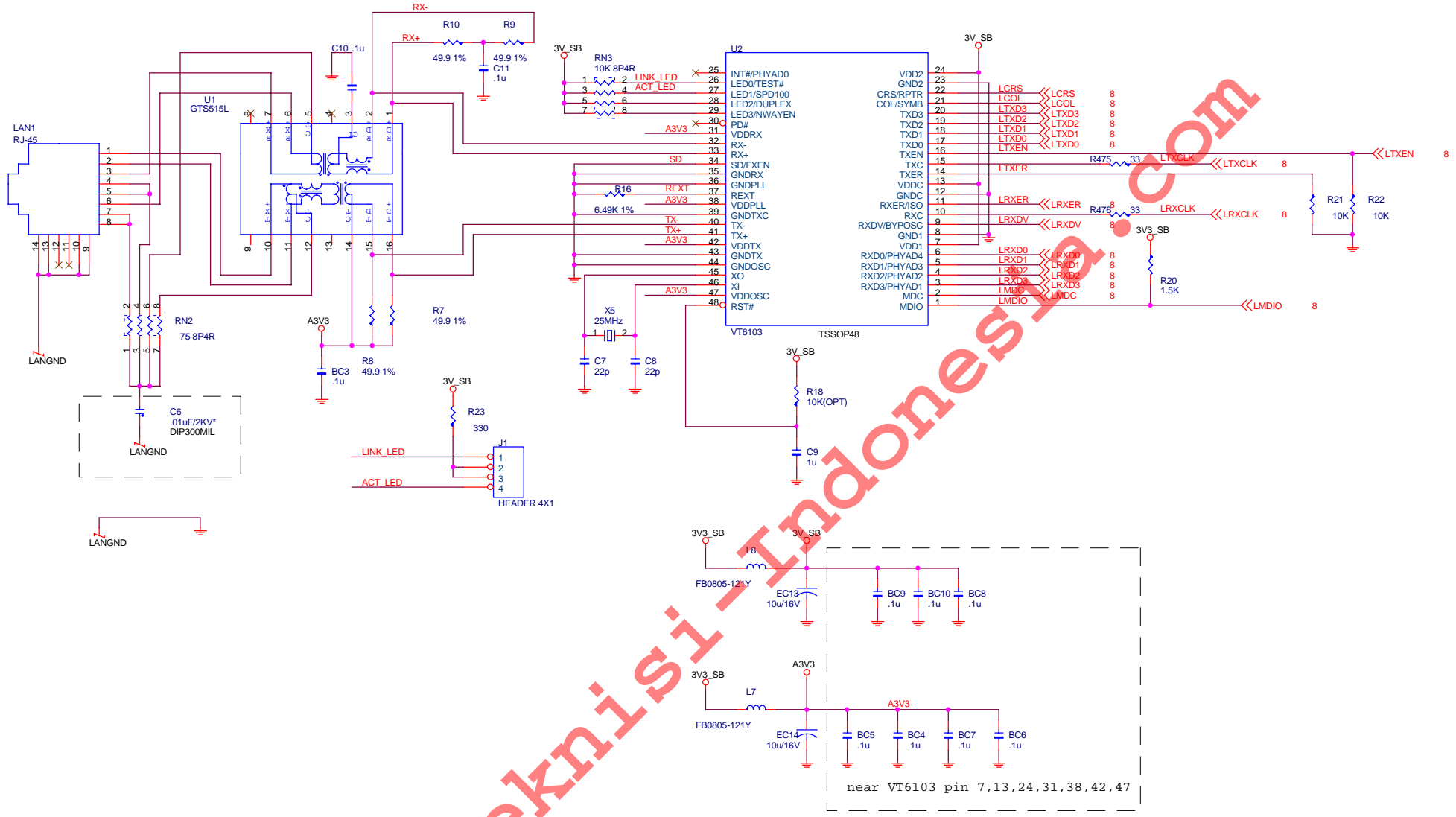
MH1 clost to PS2 connector



0.1uF(0612) X 2
0.01uF(0603) X 4
1uF(0805) X 5
10uF(1206) X 4
Spare decoupling capacitors

0.22uF(0603) X 22 [X7R]
Changed on 1999/12/14

ECS TECHNOLOGIEA, INC.	
Title	
M825LU	
Size	Document Number
C	ATX POWER & BYPASS CAPACITORS
Date:	Thursday, November 21, 2002
Sheet	25 of 26
Rev	3.0



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