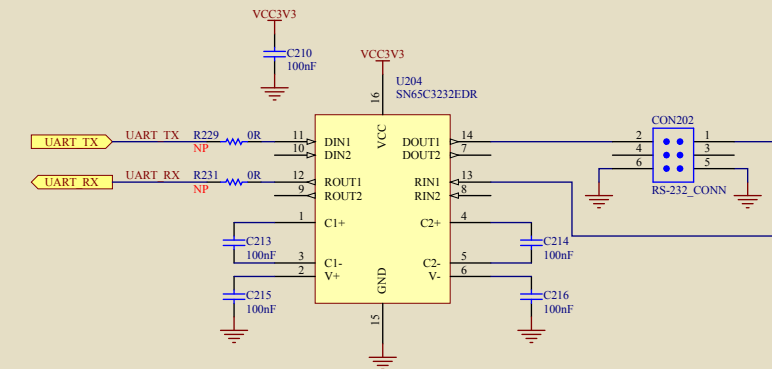
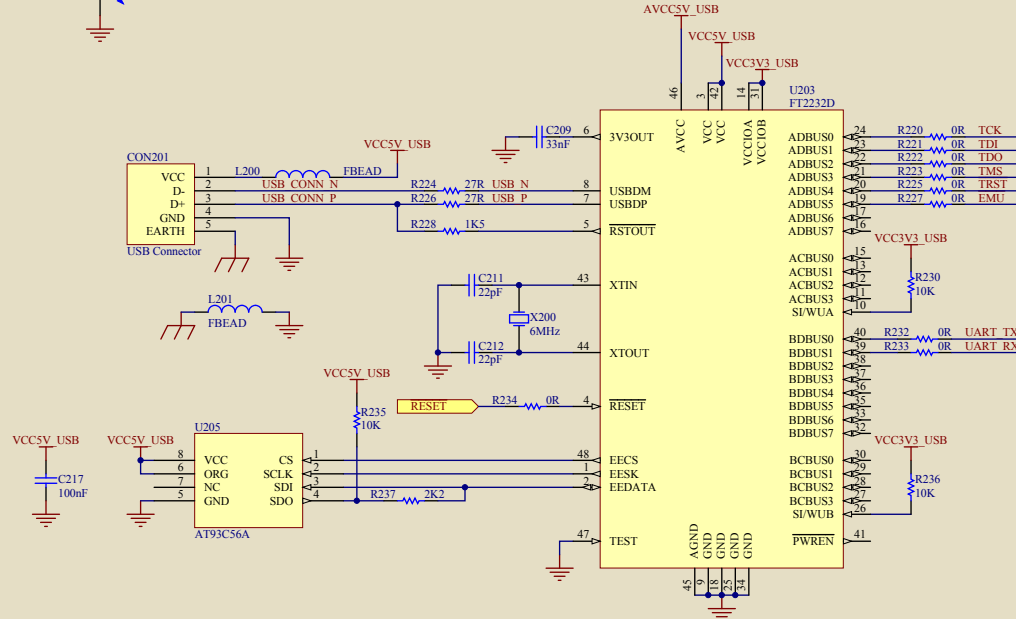
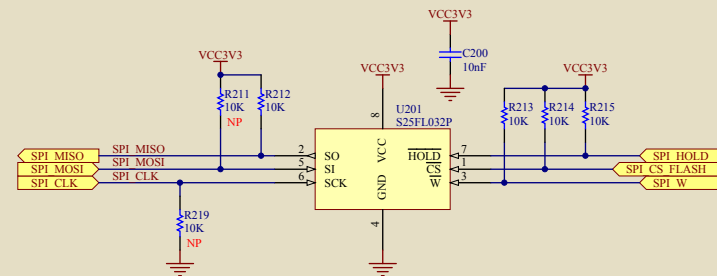
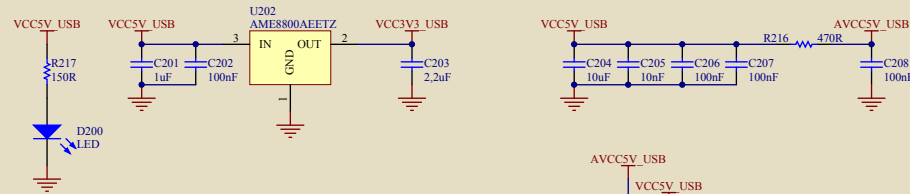
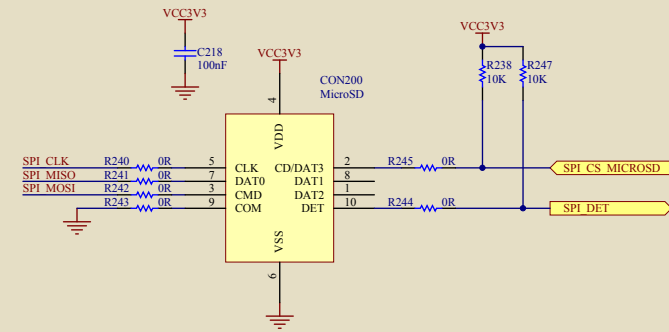
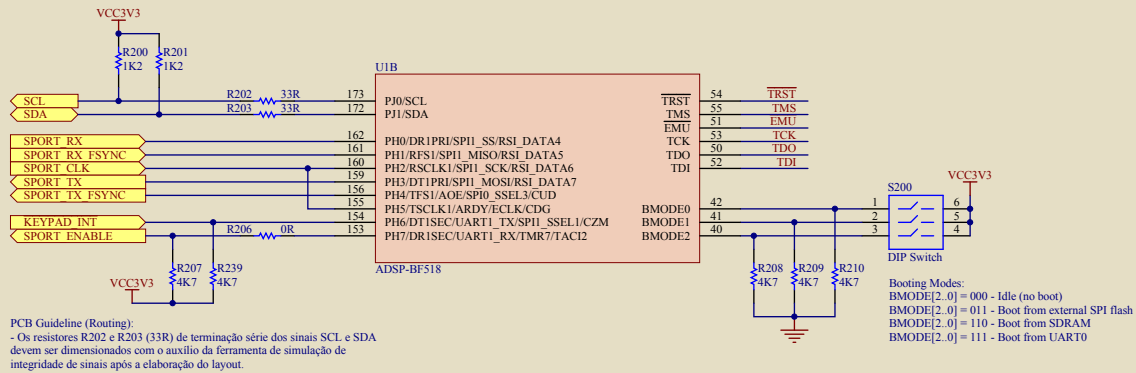
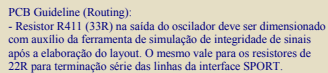


PCB Guideline (Placement):
- Os resistores de 22R do barramento de dados devem estar próximos do processador, pois o processo de escrita é mais crítico que o processo de leitura.

PCB Guideline (Routing):
- O resistor R140 (33R) na saída do oscilador deve ser dimensionado com auxílio da ferramenta de simulação de integridade de sinais após a elaboração do layout. O mesmo vale para os resistores de 22R para terminação série das linhas da SDRAM.







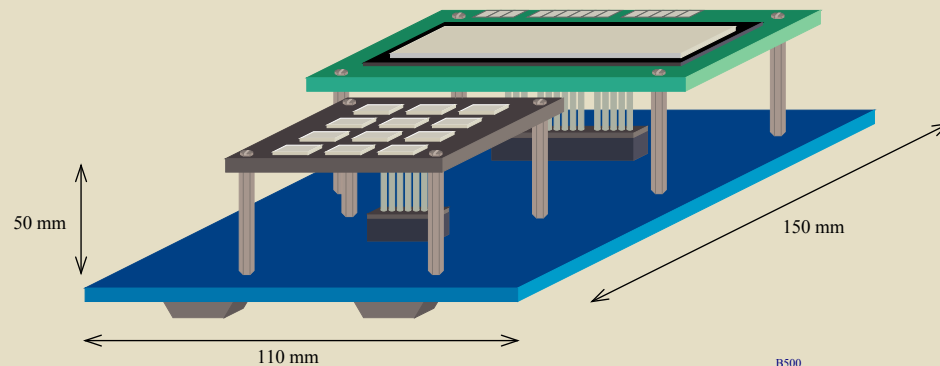
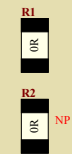
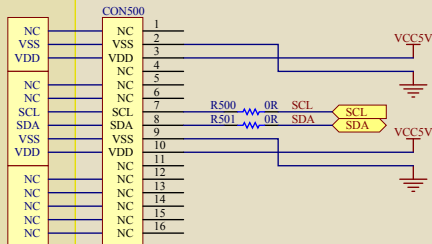
LCD Character Module



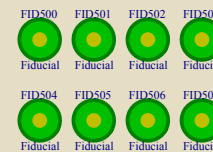
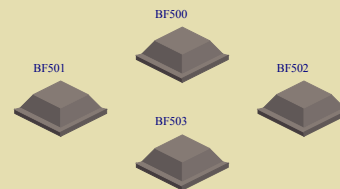
SCREW500
SCREW501
SCREW502
SCREW503

SPACER500
SPACER501
SPACER502
SPACER503

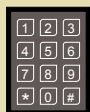
SCREW504
SCREW505
SCREW506
SCREW507



Board Feet



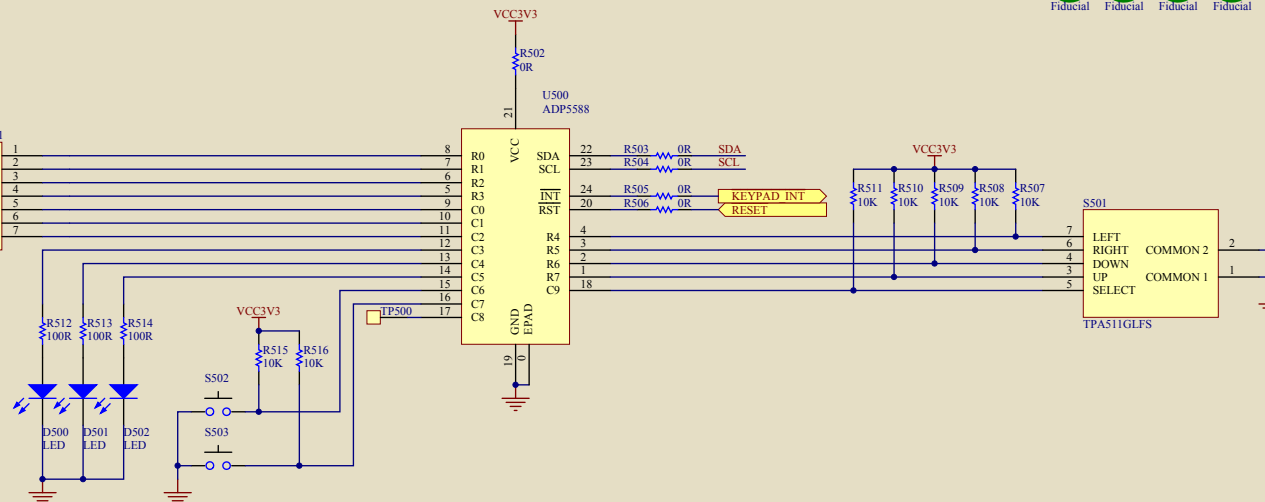
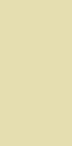
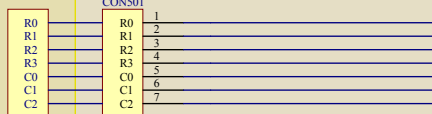
Keypad




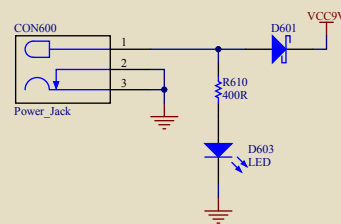
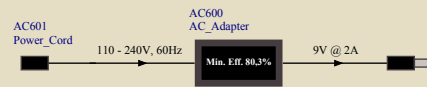
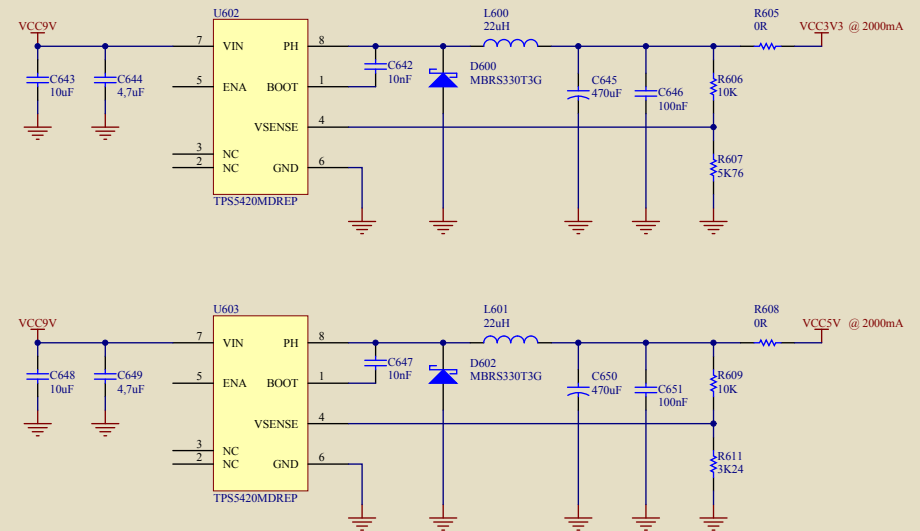
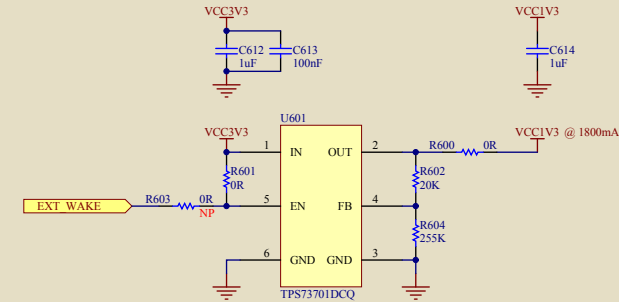
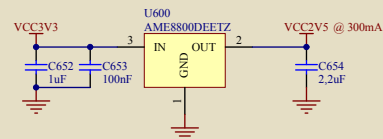
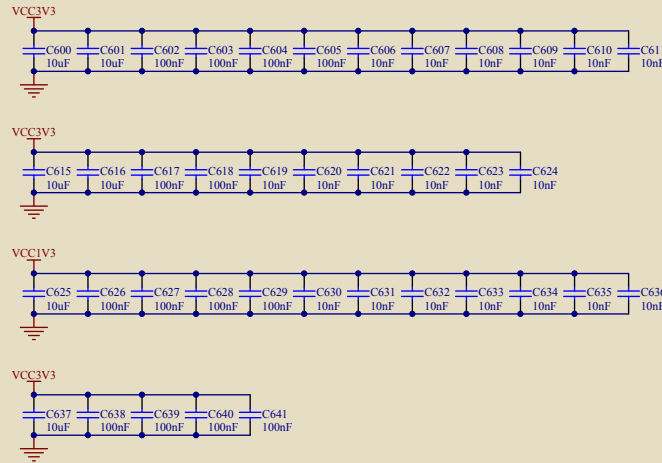
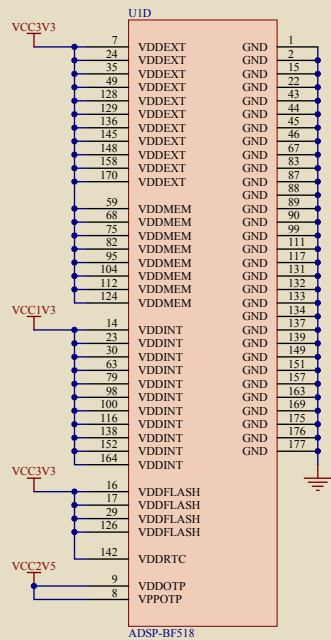
SCREW508
SCREW509
SCREW510
SCREW511

SPACER504
SPACER505
SPACER506
SPACER507

SCREW512
SCREW513
SCREW514
SCREW515



Título: <i>LCD, Keypad, Assembly</i>			Universidade Federal do Ceará Centro de Tecnologia Dep. de Eng. Elétrica Dep. de Eng. de Teleinformática Fortaleza - Ceará - Brasil	
Padrão: A3	Data: 09/10/2012	Versão: V1		
Autor: Rômulo Mendes		Folha: 5 de 6		
Arquivo: blackfin_e_lcd_keypad.SchDoc				



PCB Guideline (Routing):
- Seguir instruções do datasheet do TPS5420-EP (páginas 8 e 9) para o roteamento das fontes chaveadas.