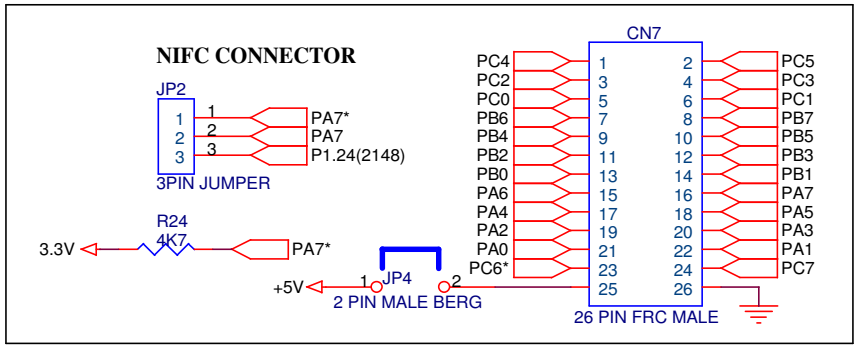
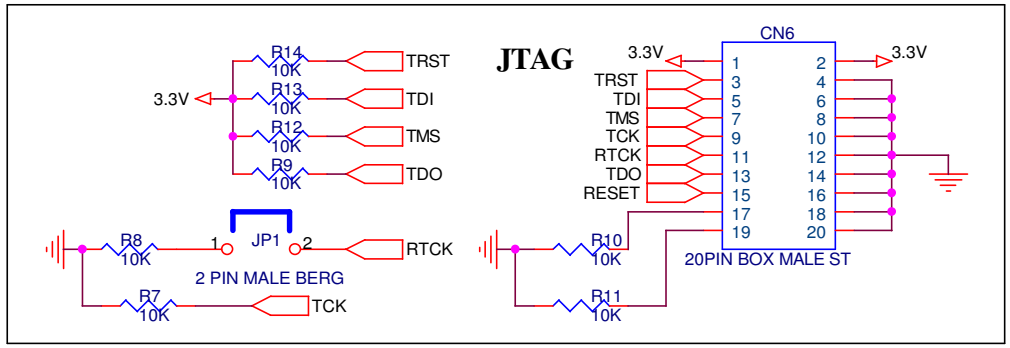
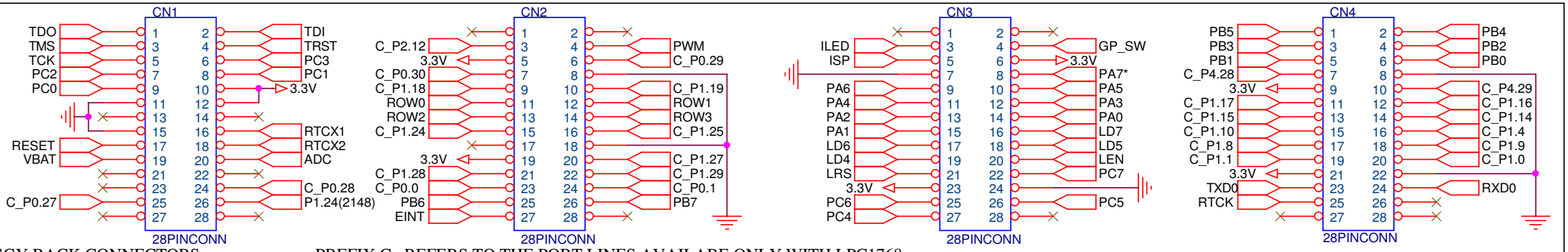






PIGGY BACK CONNECTORS

PREFIX C_ REFERS TO THE PORT LINES AVAILABE ONLY WITH LPC1768

LCD LINES
For LPC2148/LPC1768
CN3.16 - P0.7/P2.9 - LD7
CN3.17 - P0.6/P2.8 - LD6
CN3.18 - P0.5/P2.7 - LD5
CN3.19 - P0.4/P2.6 - LD4
CN3.20 - P0.3/P2.5 - LEN
CN3.21 - P0.2/P2.4 - LRS

CN3.5(ISP)
For LPC2148: P0.14 - ISP
For LPC1768: P2.10 - ISP

CN3.4 (GP_SW)
For LPC2148: P0.3
For LPC1768:
P2.11

KEY PAD ROWS
CN2.11 to 14
For LPC2148 & LPC1768
P1.20 - ROW0
P1.21 - ROW1
P1.22 - ROW2
P1.23 - ROW3

NIFC LINES

For LPC2148/LPC1768
PC0 - P0.8/P0.23 - CN1.9
PC1 - P0.9/P0.24 - CN1.8
PC2 - P0.10/P0.25 - CN1.7
PC3 - P0.11/P0.26 - CN1.6
PC4 - P0.12/P2.0 - CN3.27
PC5 - P0.13/P2.1 - CN3.26
PC6 - P0.14/P2.2 - CN3.25
PC7 - P0.15/P2.3 - CN3.22

LPC2148/LPC1768
PB0 - P0.16/P0.4 - CN4.6
PB1 - P0.17/P0.5 - CN4.5
PB2 - P0.18/P0.6 - CN4.4
PB3 - P0.19/P0.7 - CN4.3
PB4 - P0.20/P0.8 - CN4.2
PB5 - P0.21/P0.9 - CN4.1
PB6 - P0.22/P0.10 - CN2.25
PB7 - P0.23/P0.11 - CN2.26

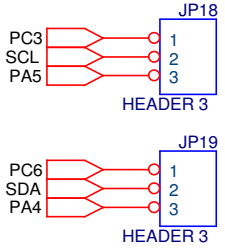
For LPC2148/LPC1768
PA0 - P1.16/P0.15 - CN3.14
PA1 - P1.17/P0.16 - CN3.15
PA2 - P1.18/P0.17 - CN3.13
PA3 - P1.19/P0.18 - CN3.12
PA4 - P0.28/P0.19 - CN3.11
PA5 - P0.29/P0.20 - CN3.10
PA6 - P0.30/P0.21 - CN3.9
PA7 - P0.31(P1.24)/P0.22 - CN3.8

CN2.4 (PWM)
PWM4 - P0.8 for LPC2148
PWM1.2 - P3.25 for LPC1768

CN3.3 (INT LED)
LPC2148: P1.25
LPC1768: P2.12

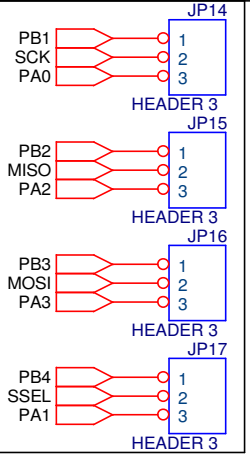
CN1.20 (ADC)
P0.25 - AD0.4 for LPC2148
P1.31 - AD0.5 for LPC1768

I2C LINES & JUMPERS
For LPC2148
PC6 - P0.14 - SDA1
PC3 - P0.11 - SCL1
For LPC1768
PA4 - P0.19 - SDA1
PA5 - P0.20 - SCL1

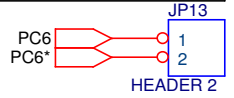


CN2.27 (EXT INT)
LPC2148: P0.16 - EINT0
LPC1768: P2.13 - EINT3

SPI LINES & JUMPERS
For LPC2148:
PB1 - P0.17 - SCK1
PB2 - P0.18 - MISO1
PB3 - P0.19 - MOSI
PB4 - P0.20 - SSEL
For LPC1768:
PA0 - P0.15 - SCK
PA1 - P0.16 - SSEL
PA2 - P0.17 - MISO
PA3 - P0.18 - MOSI
At JP14, JP15, JP16 & JP17
SHORT (1, 2) TO USE LPC2148
SHORT (3, 2) TO USE LPC1768

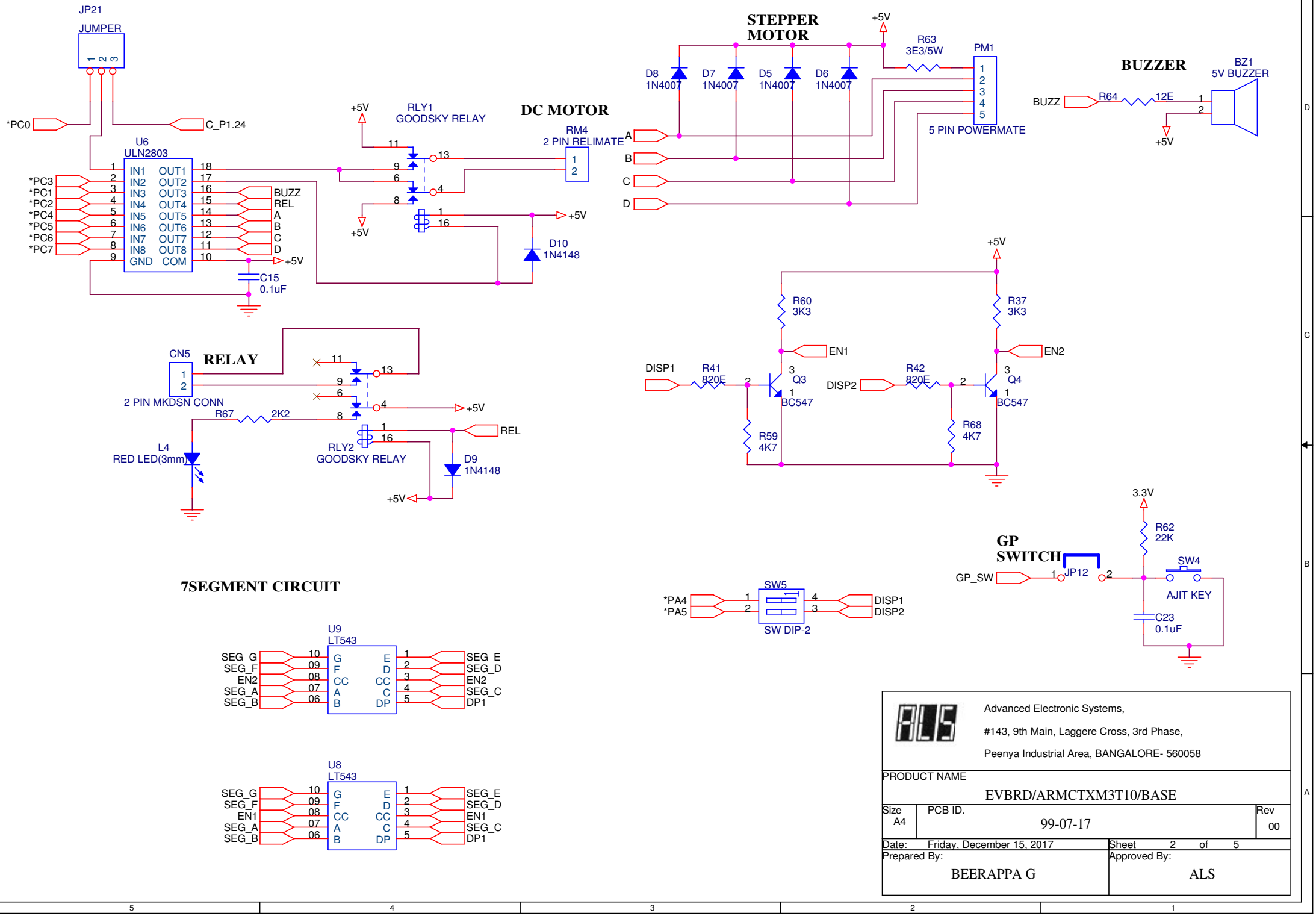


IF LPC2148 Piggy Back is used, Open JP13 while resetting the controller.



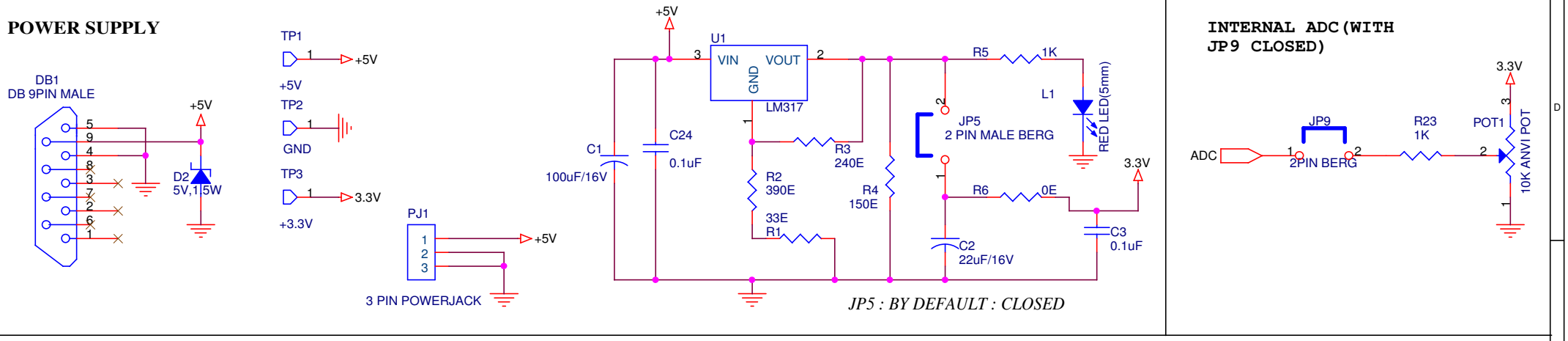
Advanced Electronic Systems,
#143, 9th Main, Laggere Cross, 3rd Phase,
Peenya Industrial Area, BANGALORE- 560058

PRODUCT NAME	EVBRD/ARMCTXM3T10/BASE	
Size A4	PCB ID. 99-07-17	Rev 00
Date: Friday, December 15, 2017	Sheet 1 of 5	
Prepared By: BEERAPPA G	Approved By: ALS	



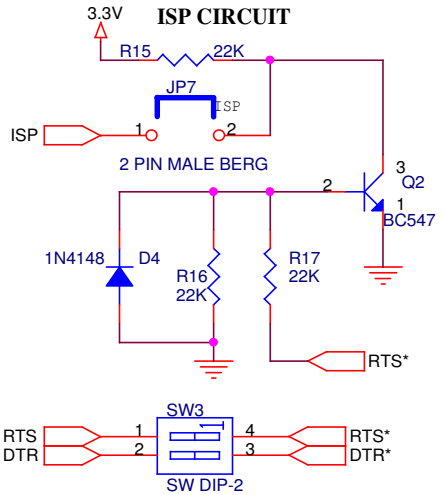
Advanced Electronic Systems, #143, 9th Main, Laggere Cross, 3rd Phase, Peenya Industrial Area, BANGALORE- 560058		
PRODUCT NAME: EVBRD/ARMCTXM3T10/BASE		
Size: A4	PCB ID.: 99-07-17	Rev: 00
Date: Friday, December 15, 2017	Sheet 2 of 5	
Prepared By: BEERAPPA G	Approved By: ALS	

POWER SUPPLY



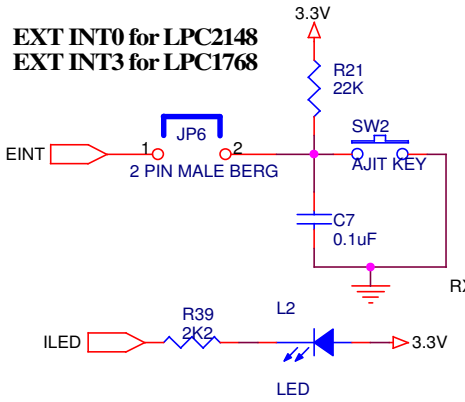
INTERNAL ADC(WITH JP9 CLOSED)

ISP CIRCUIT

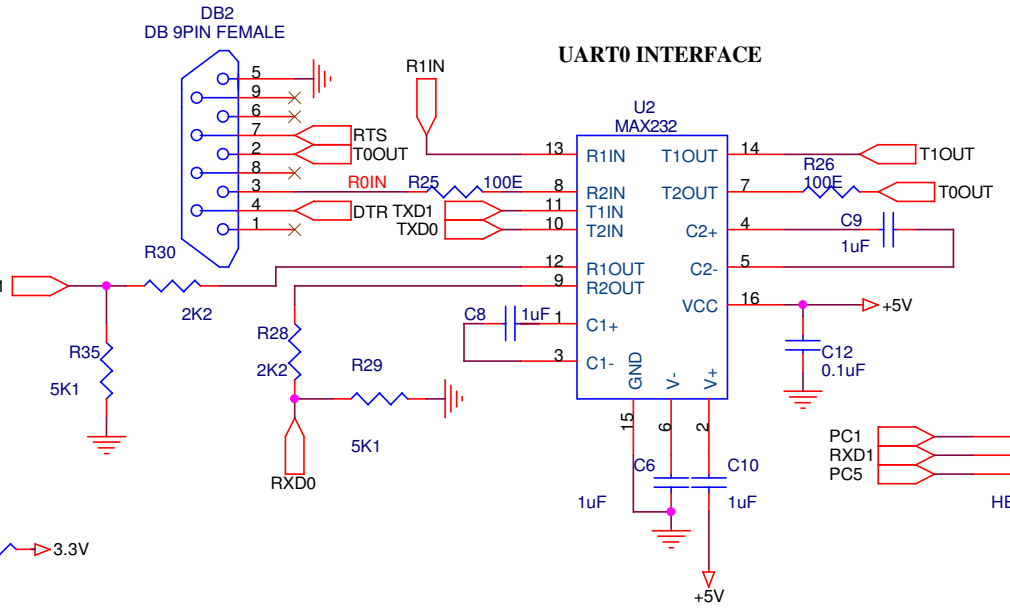


SW11 OF PINS 1 & 2 SHOULD BE ON FOR ISP & RESET

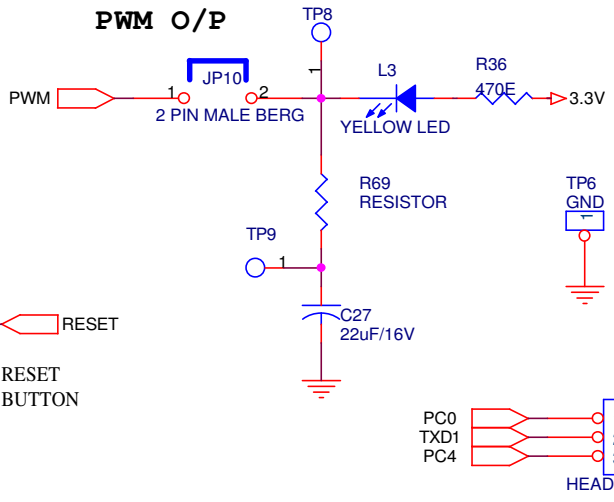
EXT INT0 for LPC2148
EXT INT3 for LPC1768



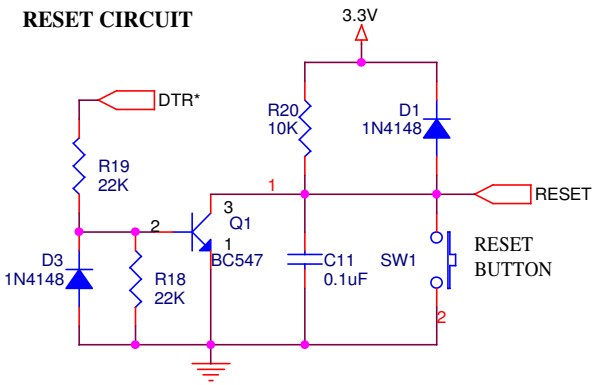
UART0 INTERFACE



PWM O/P



RESET CIRCUIT



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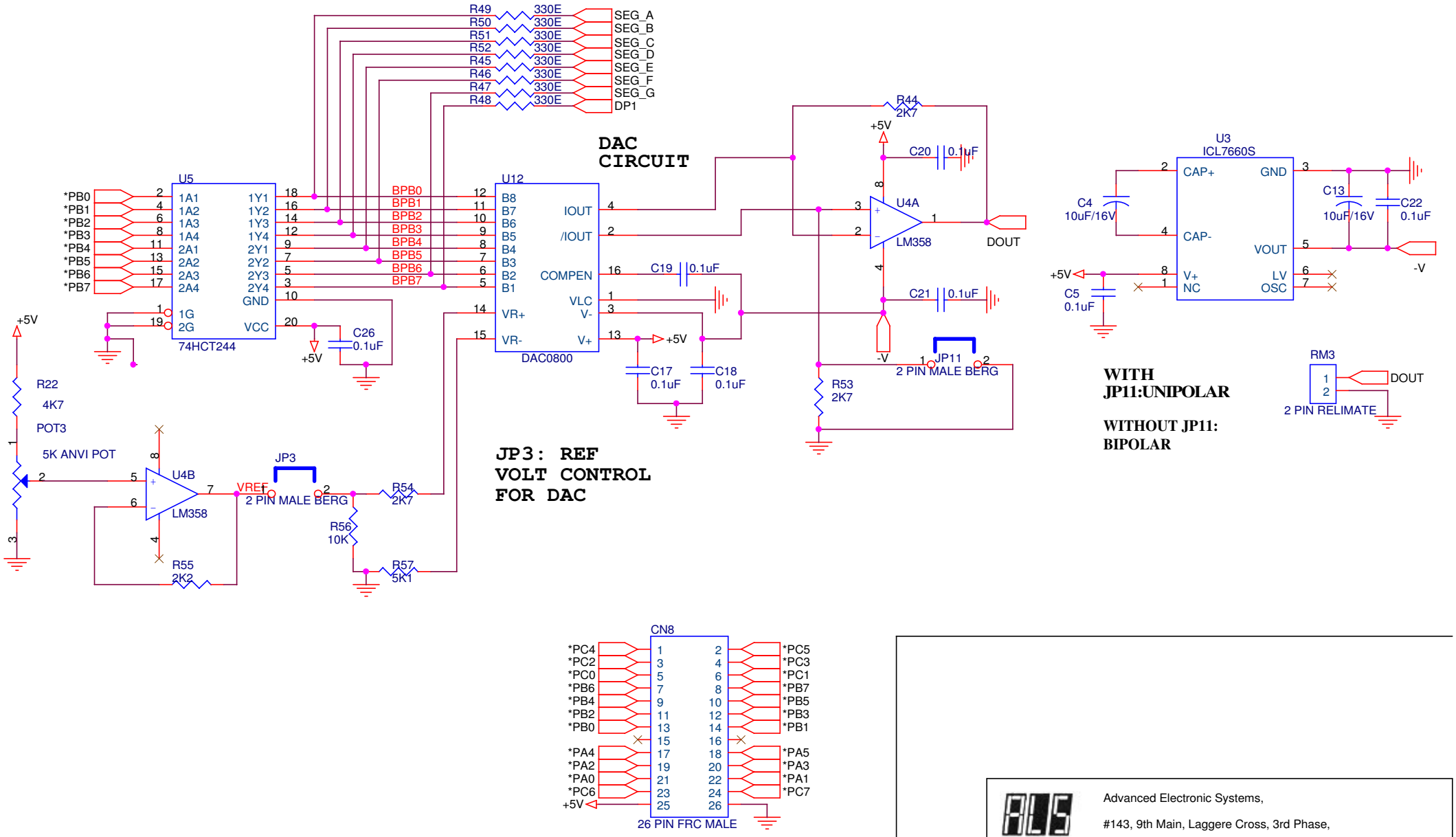
PRODUCT NAME	EVBRD/ARMCTXM3T10/BASE
Size A4 / PCB ID.	99-07-17 / Rev 00
Date: Friday, December 15, 2017	Sheet 3 of 5
Prepared By: BEERAPPA G	Approved By: ALS



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Date: Friday, December 15, 2017	Sheet 4 of 5	
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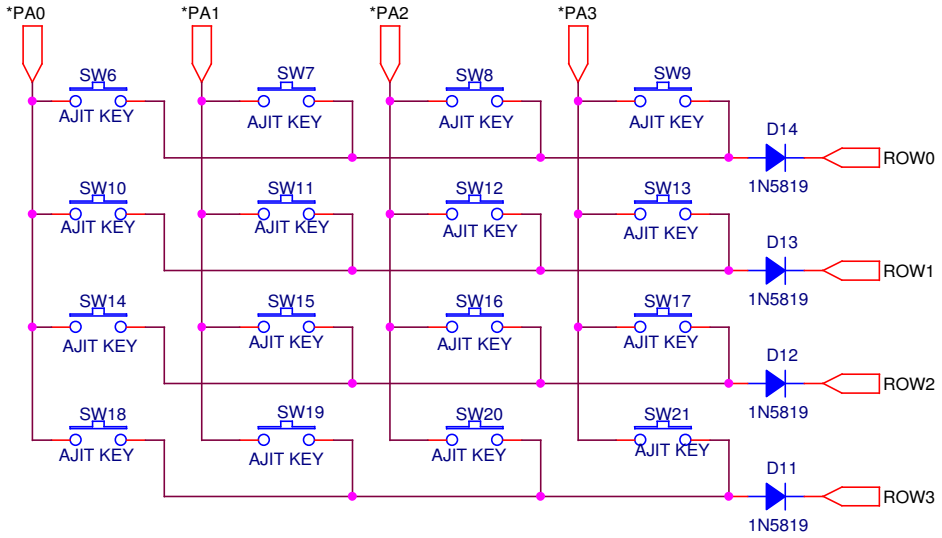
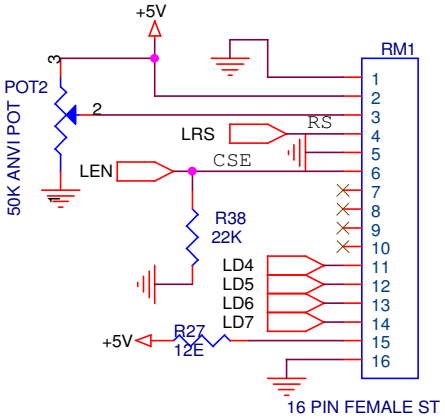
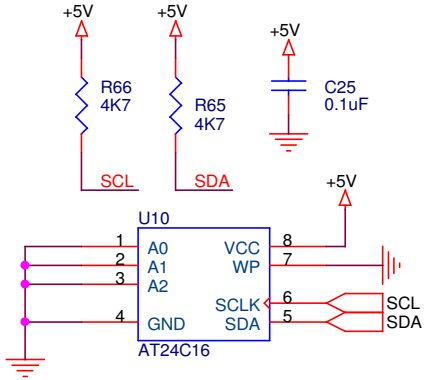
KEYPAD CIRCUIT



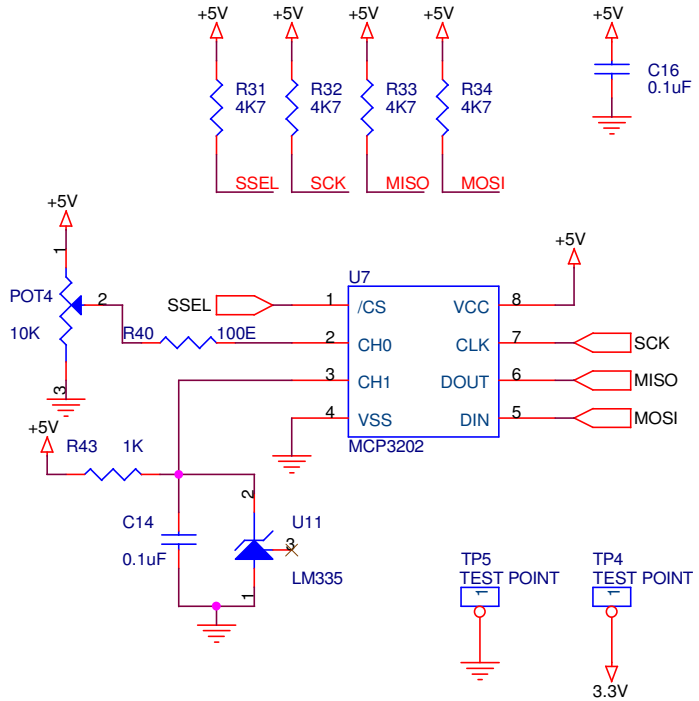
LCD



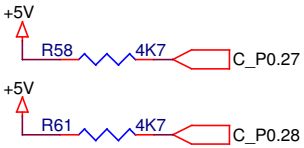
I2C CIRCUIT

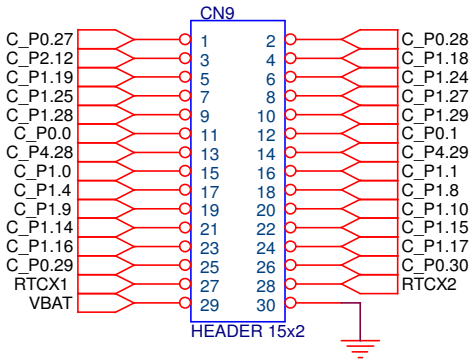


SPI CIRCUIT



FREE LINES OF LPC1768





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