Schematic for Baseboard - Cortex FLYER Currently Supported/Available Controllers (PH Board) for Flyer Base Board PH ---> Pluggable Header NXP Based Controllers 1. LPC1114 - Cortex MO - 48 PIN LQFP Package. 2. LPC11C14 - Cortex MO - 48 PIN LQFP Package. 3. LPC11U24 - Cortex MO - 48 PIN LQFP Package. 4. LPC1343 - Cortex M3 - 48 PIN LQFP Package. CoiNel Technology Solutions LLP www.coineltech.com Cortex FLYER Document Number Size Wednesday, August 22, 2012

REVISION: 1.1 dated 2nd JAN 2012 **BOARD Specifications** 1. 2.54 mm 25x2 PIN Header for Controller Pluggable Header (PH) Board. 2. PINOUT for Analog and Digital IO (Number varies with controllers used. Check PIN connectivity Information file for details) 3. 16x2 (HD44780) LCD Connectivity Option. 4. Graphical LCD (128x64 - TM12864H6CCOWA) Connectivity Option. 5. IO Pin connetted to BUZZER and LED. 6. USB End Device Option. 7. Serial PORT (TTL and RS232 OUT). 8. Micro SD Card Option. 9. I2C Based Capacitive Touch cum IO Expander. 10. POT for ADC. 11. PS2 Connectivity Option. 12. USB End Device. 13. 2 Channel DAC (SPI Based with 10 bit Resolution) 14. Switches for RESET, ISP and WAKEUP. 15. ISP options via UART, CAN and USB (Depends on controller PH board used) 15. Power via DC JACK and USB (+5V and 3.3V PINOUT). CoiNel Technology Solutions LLP www.coineltech.com Cortex FLYER Document Number Size Wednesday, August 22, 2012









