U1
VCC
VDDAD
VDDAD
VDD
VREFH
VSSAD
VSSAD
VSS
VREFL
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PD0
PD1
PD2
PD3
PD4
PD5
PD6
OSC1
OSC2
PWM1
PWM2
PWM3
PWM4
PWM5
PWM6
PWMGND
PF0
PF1
PF2
PF3
PF4
PF5
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PE0
PE1
PE2
PE3
PE4
PE5
PE6
PE7
RST
IRQ
CGMXFC
MC68HC908MR16
C3
C4
C5
C6
.1
J1
GND
RST
IRQ
PTA0
PTC2
PTC3
PTC4
PTA7
MON08 HEADER
Y1 4.9152MHz
R1 10M
C1
C2
20p
20p
RXD
TXD
ADC INPUT
PTC2
PTC3
PTC4
IRQ
+5VDC
D1
LED
R3
10K
AIRTRONICS 94102 SERVO
R2
100K
C8
.1
C7
.022
U3
T1IN
T2IN
R1OUT
R2OUT
T1OUT
T2OUT
R1IN
R2IN
C2+
C2+
C2-
C2-
V-
V-
TXOUT
RXIN
SP233ACP
JR2A
DB9 FEMALE
SP233ACP BYPASS CAP
C9
.1
SP233ACP PIN 7 = +5VDC
SP233ACP PINS 6,9 =
GND
NOTES:
1. LED D1 HAS BUILT-IN CURRENT LIMIT RESISTOR