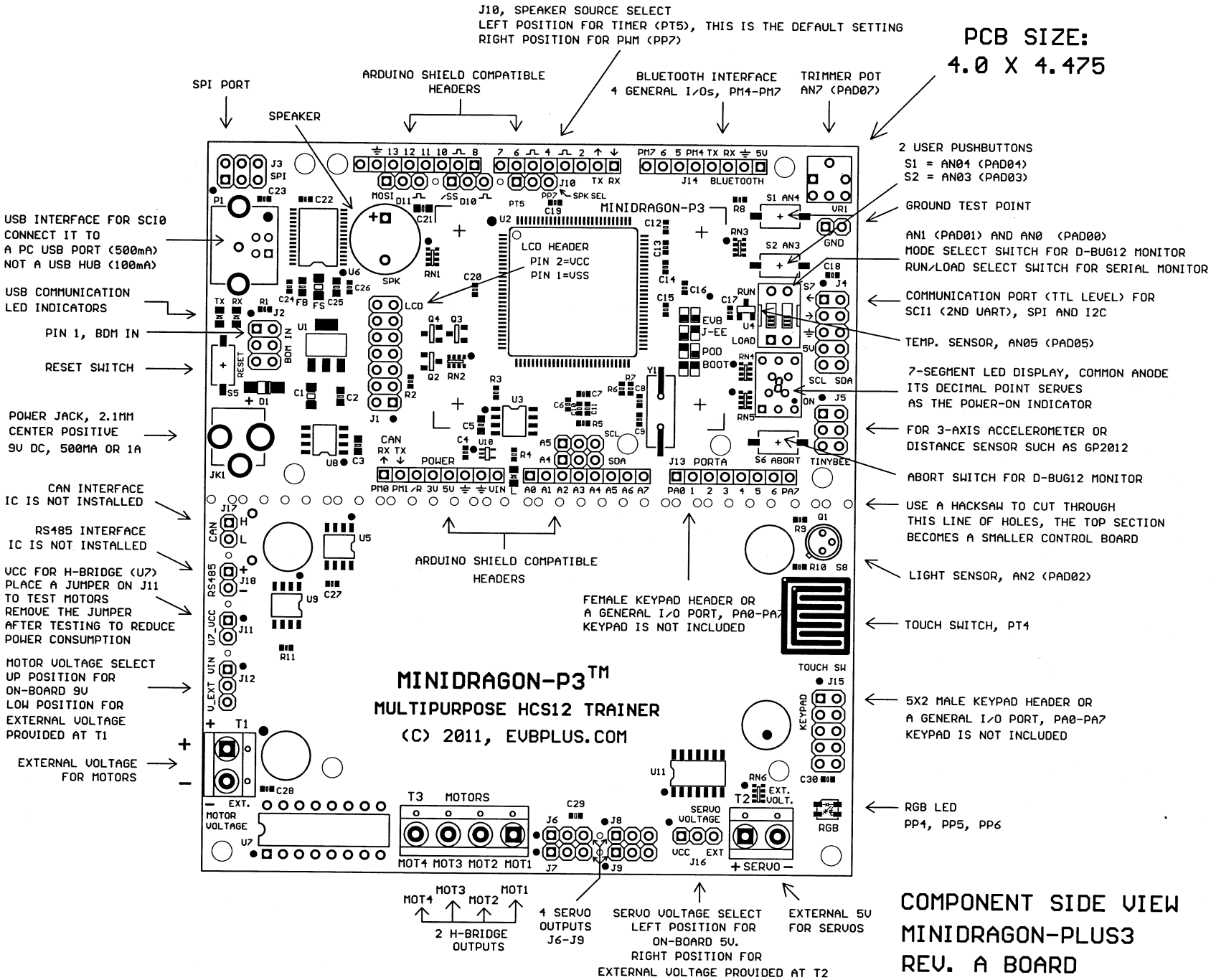
PCB SIZE:
4.0 X 4.475
J10, SPEAKER SOURCE SELECT
LEFT POSITION FOR TIMER (PT5), THIS IS THE DEFAULT SETTING
RIGHT POSITION FOR PWM (PP7)
SPI PORT
ARDUINO SHIELD COMPATIBLE HEADERS
BLUETOOTH INTERFACE
4 GENERAL I/Os, PM4-PM7
TRIMMER POT
AN7 (PAD07)
SPEAKER
2 USER PUSHBUTTONS
S1 = AN04 (PAD04)
S2 = AN03 (PAD03)
GROUND TEST POINT
USB INTERFACE FOR SCI0
CONNECT IT TO
A PC USB PORT (500mA)
NOT A USB HUB (100mA)
AN1 (PAD01) AND AN0 (PAD00)
MODE SELECT SWITCH FOR D-BUG12 MONITOR
RUN/LOAD SELECT SWITCH FOR SERIAL MONITOR
USB COMMUNICATION
LED INDICATORS
COMMUNICATION PORT (TTL LEVEL) FOR
SCI1 (2ND UART), SPI AND I2C
PIN 1, BDM IN
TEMP. SENSOR, AN05 (PAD05)
RESET SWITCH
7-SEGMENT LED DISPLAY, COMMON ANODE
ITS DECIMAL POINT SERVES
AS THE POWER-ON INDICATOR
POWER JACK, 2.1MM
CENTER POSITIVE
9V DC, 500MA OR 1A
FOR 3-AXIS ACCELEROMETER OR
DISTANCE SENSOR SUCH AS GP2012
ABORT SWITCH FOR D-BUG12 MONITOR
CAN INTERFACE
IC IS NOT INSTALLED
USE A HACKSAW TO CUT THROUGH
THIS LINE OF HOLES, THE TOP SECTION
BECOMES A SMALLER CONTROL BOARD
RS485 INTERFACE
IC IS NOT INSTALLED
LIGHT SENSOR, AN2 (PAD02)
VCC FOR H-BRIDGE (U7)
PLACE A JUMPER ON J11
TO TEST MOTORS
REMOVE THE JUMPER
AFTER TESTING TO REDUCE
POWER CONSUMPTION
ARDUINO SHIELD COMPATIBLE
HEADERS
FEMALE KEYPAD HEADER OR
A GENERAL I/O PORT, PA0-PA7
KEYPAD IS NOT INCLUDED
TOUCH SWITCH, PT4
MOTOR VOLTAGE SELECT
UP POSITION FOR
ON-BOARD 9V
LOW POSITION FOR
EXTERNAL VOLTAGE
PROVIDED AT T1
MINIDRAGON-P3™
MULTIPURPOSE HCS12 TRAINER
(C) 2011, EVBPLUS.COM
5X2 MALE KEYPAD HEADER OR
A GENERAL I/O PORT, PA0-PA7
KEYPAD IS NOT INCLUDED
EXTERNAL VOLTAGE
FOR MOTORS
RGB LED
PP4, PP5, PP6
MOT4 MOT3 MOT2 MOT1
2 H-BRIDGE
OUTPUTS
4 SERVO
OUTPUTS
J6-J9
SERVO VOLTAGE SELECT
LEFT POSITION FOR
ON-BOARD 5V.
RIGHT POSITION FOR
EXTERNAL VOLTAGE PROVIDED AT T2
EXTERNAL 5V
FOR SERVOS
COMPONENT SIDE VIEW
MINIDRAGON-PLUS3
REV. A BOARD