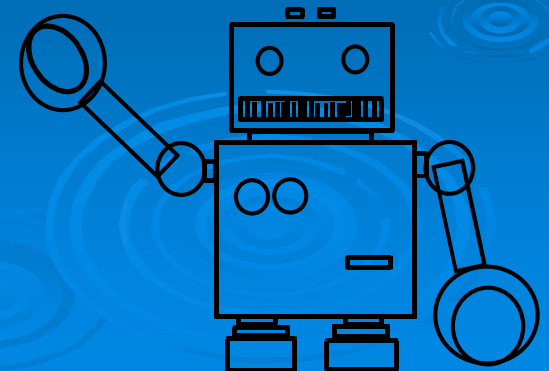


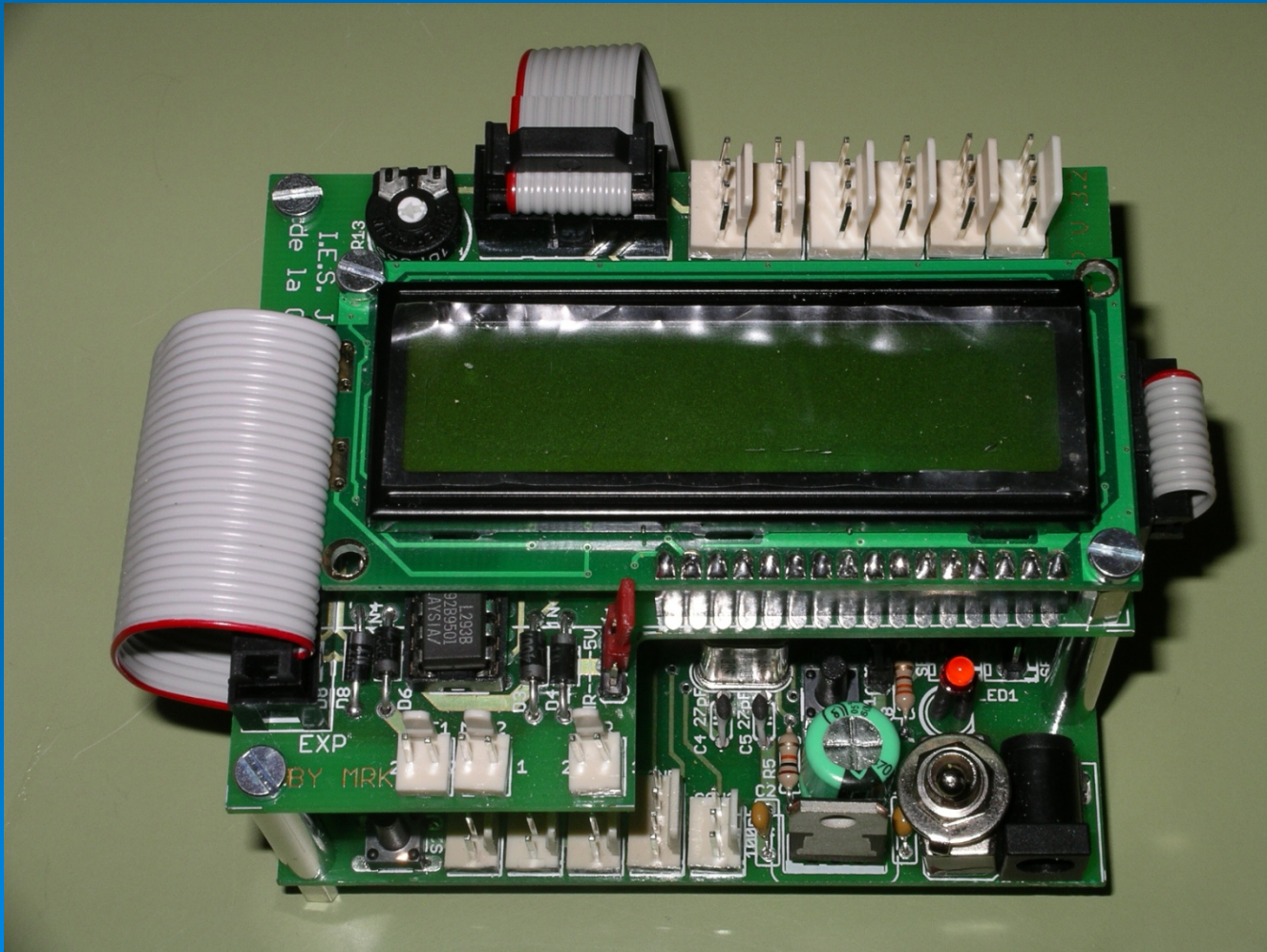
# Robot “Monibot”

P.A.C.E. “Aprendizaje de la  
Electrónica a través de la  
Robótica”

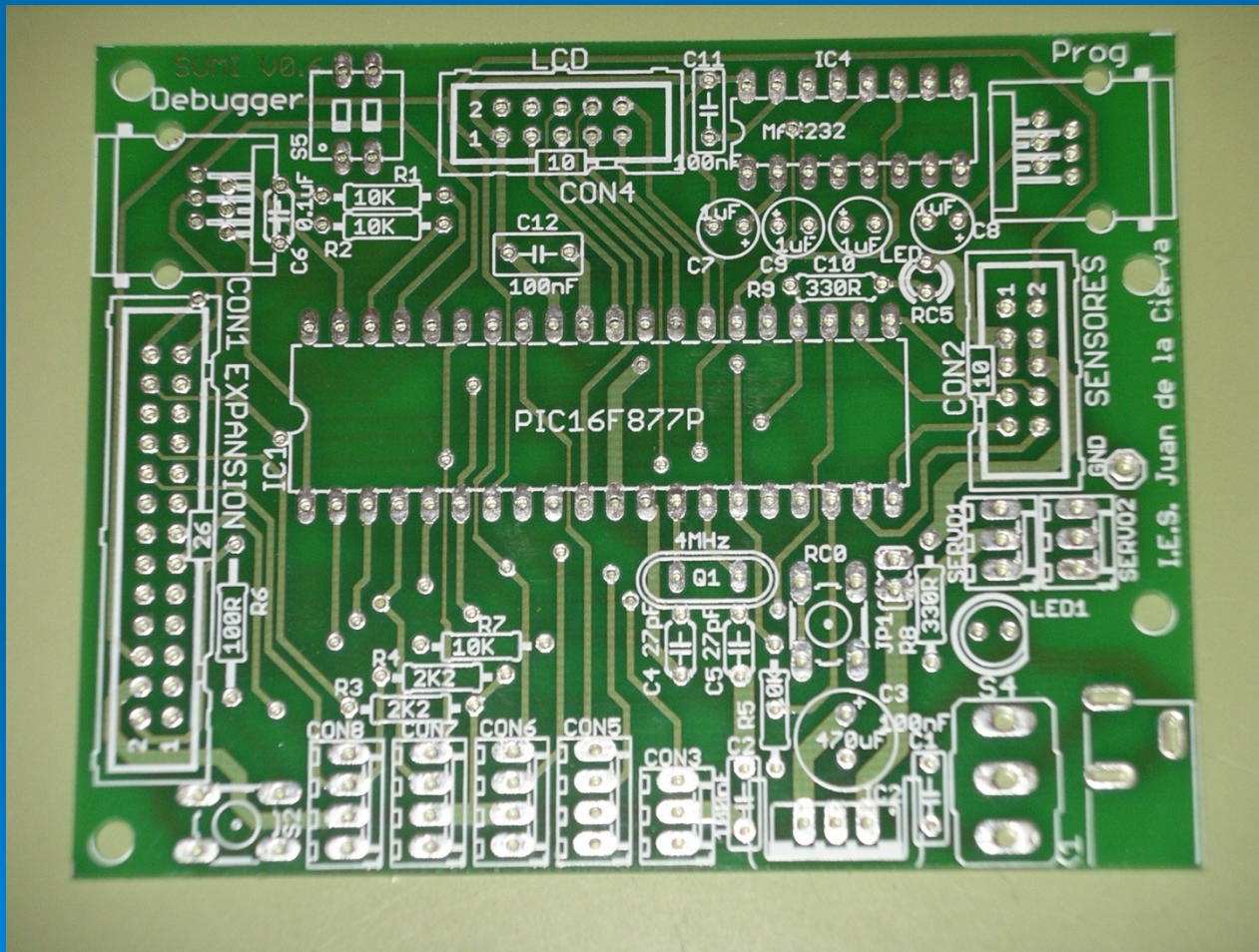
IES Juan de la Cierva  
Fernando Remiro



# Robot Monibot



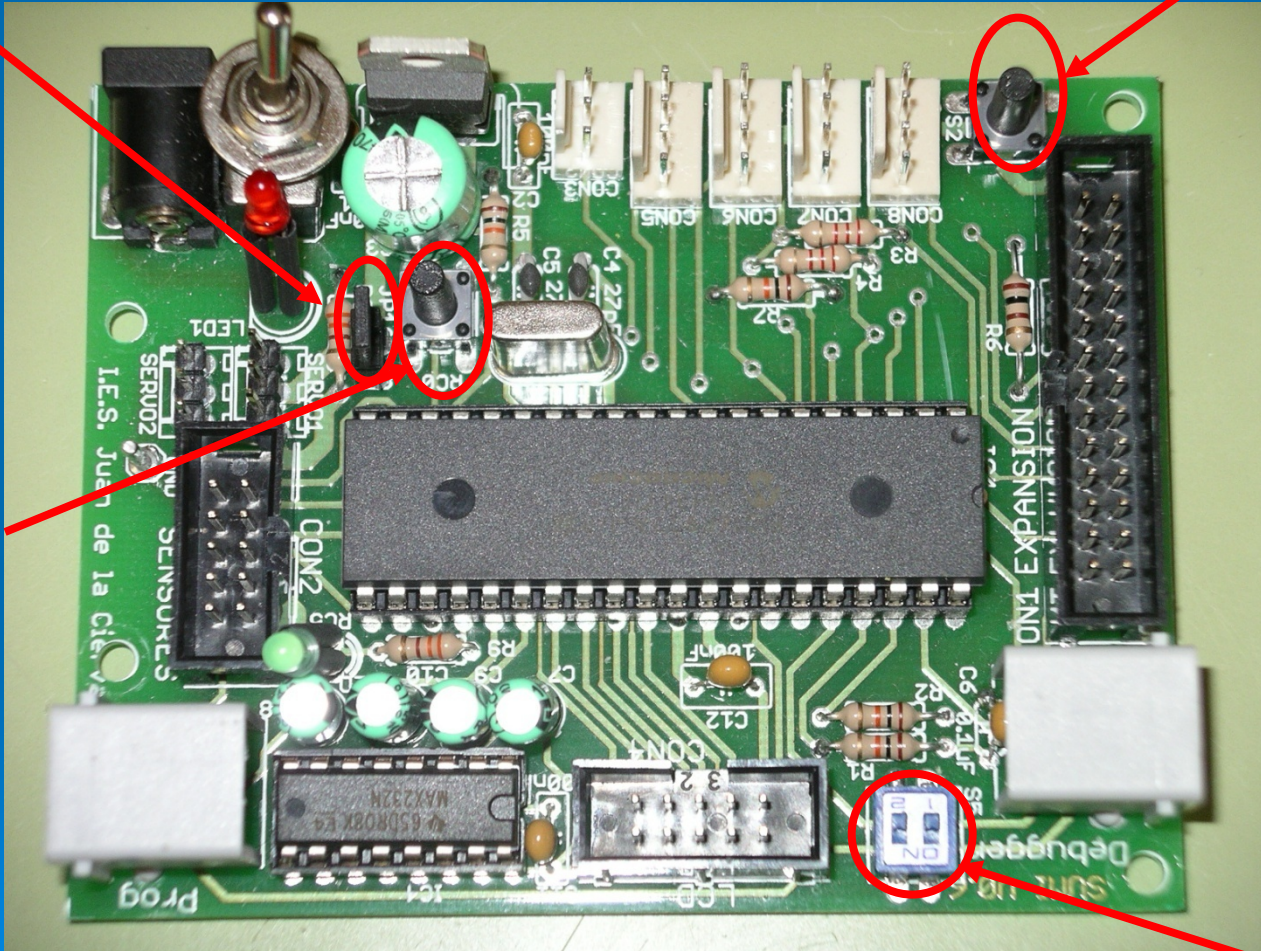
# Placa Base



# Placa Base Montada

Pulsador de Reset

Jumper conectado  
Si  $V_{cc} < 5V$



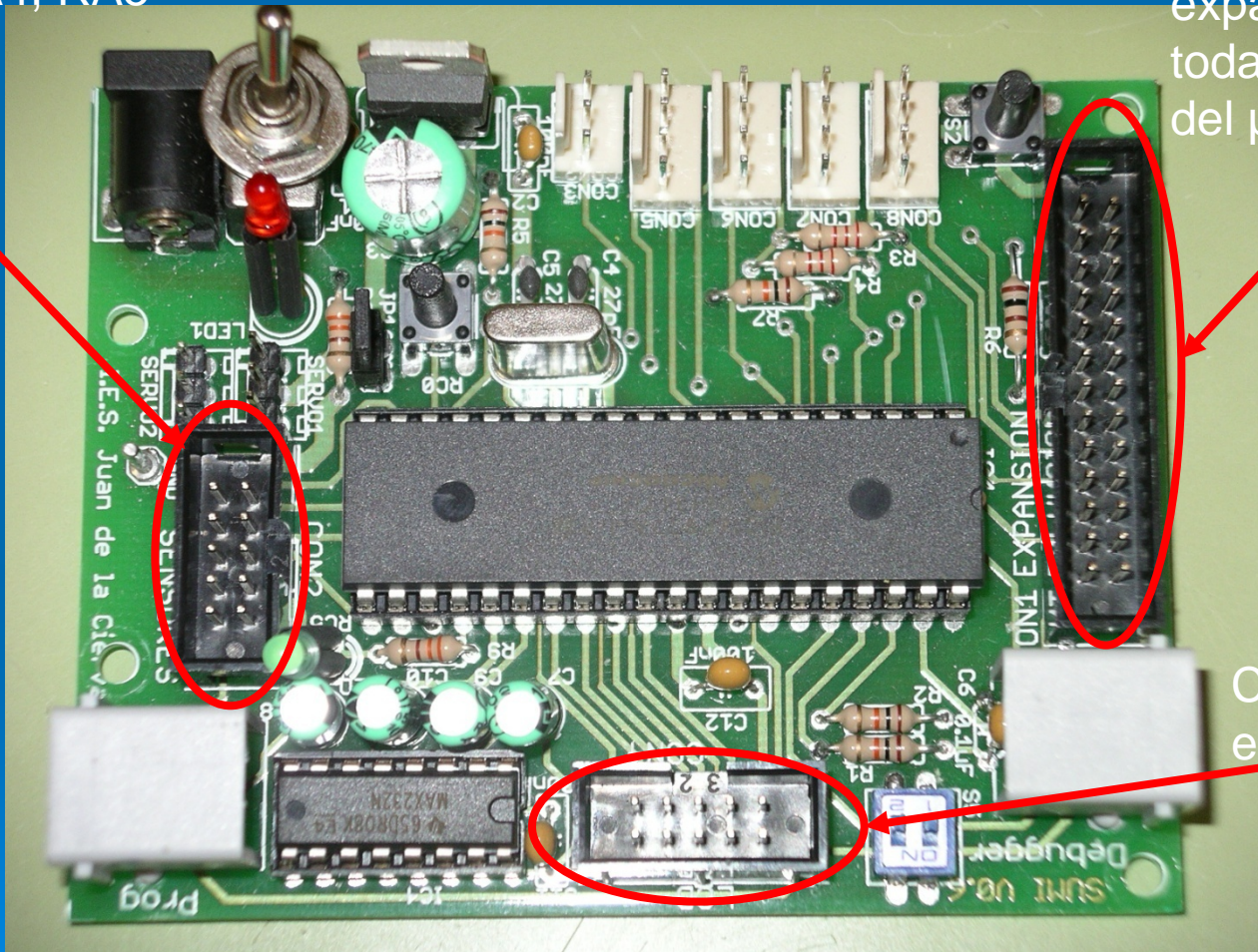
Pulsador para Pruebas RC0

Interruptores RB5 y RB4

# Placa Base Montada

Conector de entrada  
Sensores RA4, RA5  
RD0:RD3

Conector de  
expansión de  
todas las líneas  
del  $\mu$ controlador



Conexiones para  
el LCD

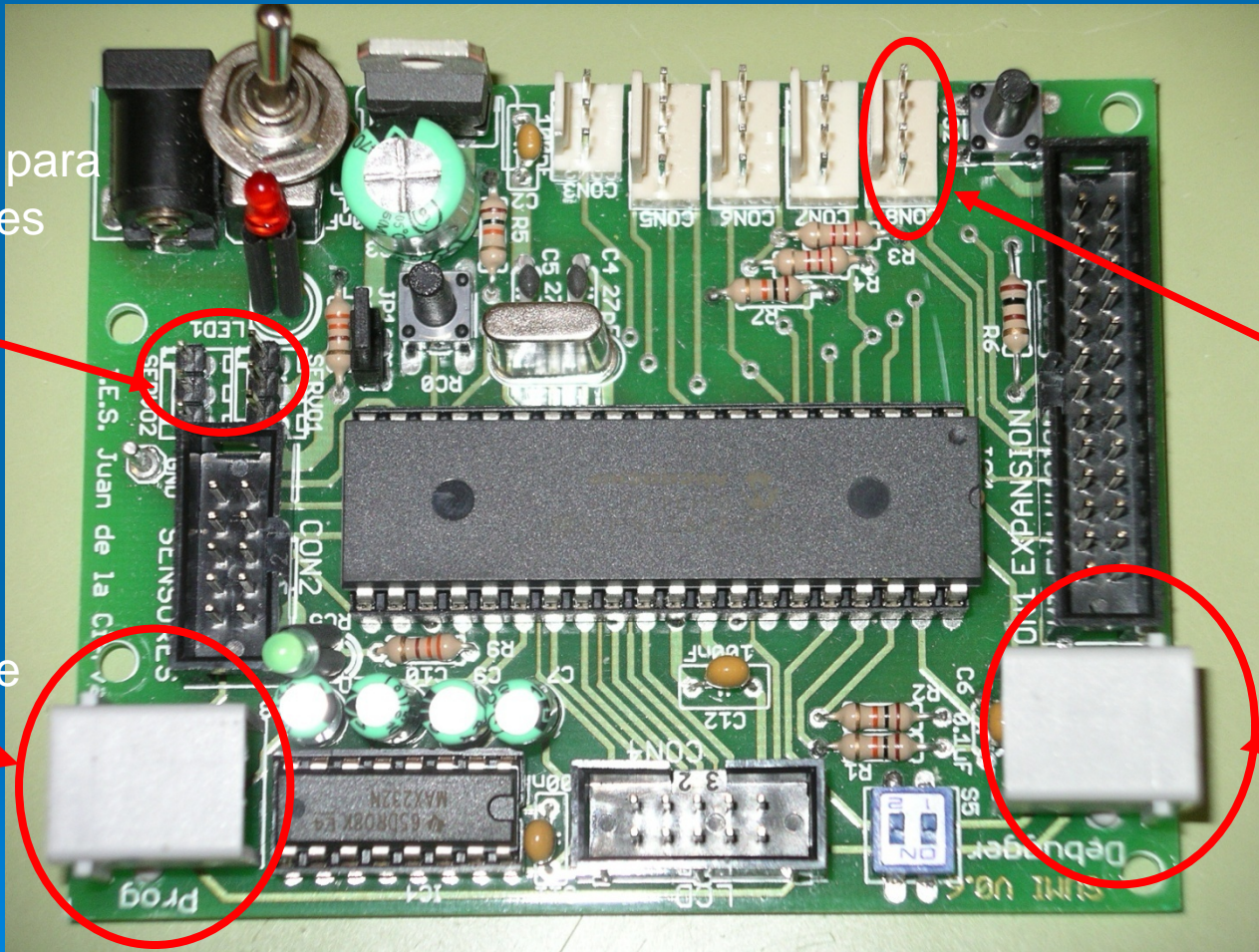
# Placa Base Montada

Conectores para Servomotores RC1 y RC2

Conector Puerto serie

Conector puerto I2C

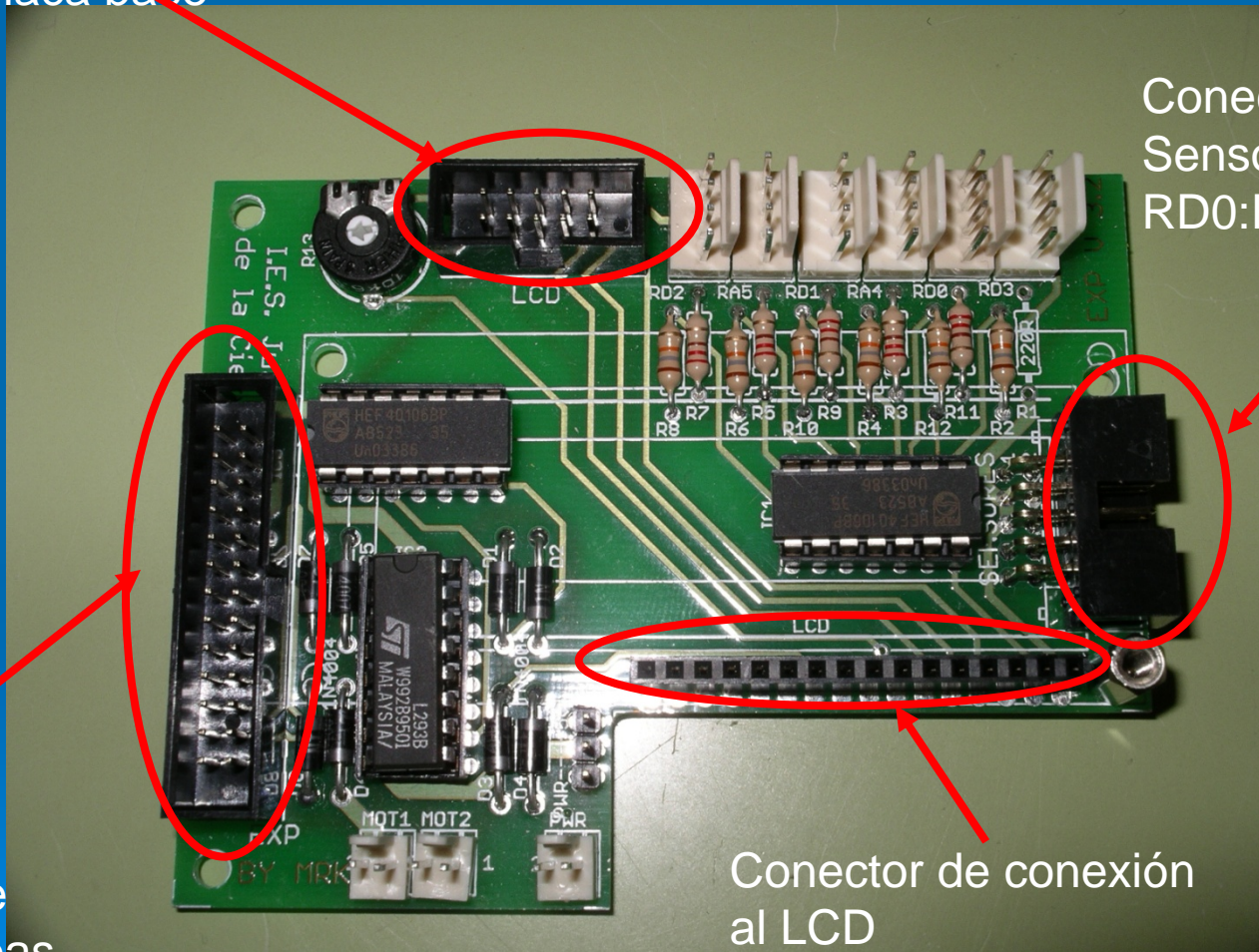
Conector ICD2





# Circuito de potencia

Conexión de las líneas del LCD a la placa base



Conector de entrada Sensores RA4, RA5 RD0:RD3

Conector de expansión de todas las líneas del  $\mu$ controlador

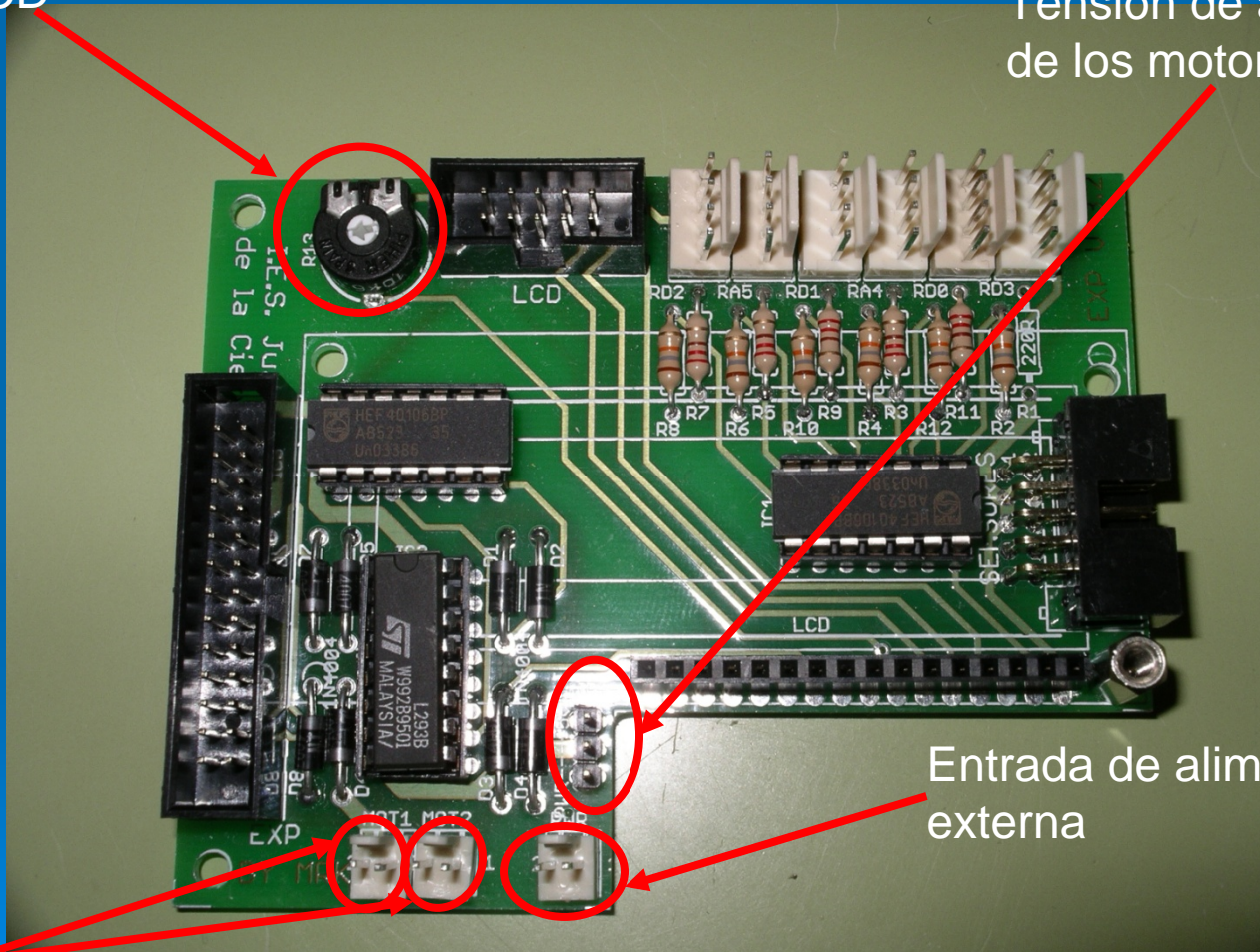
Conector de conexión al LCD



# Circuito de potencia

Potenciómetro  
Contraste LCD

Selección de la  
Tensión de alimentación  
de los motores



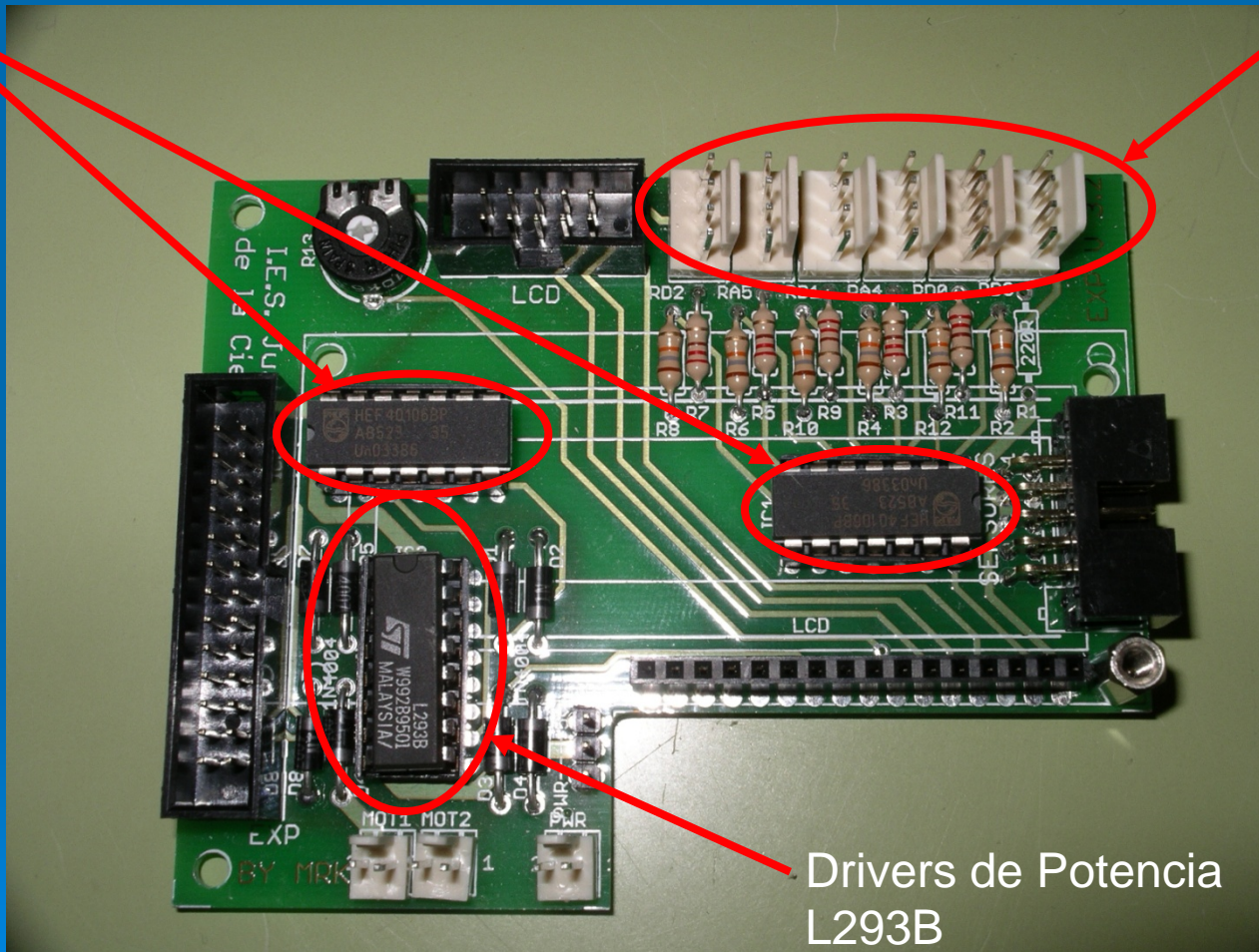
Conectores  
para los  
motores

Entrada de alimentación  
externa

# Circuito de potencia

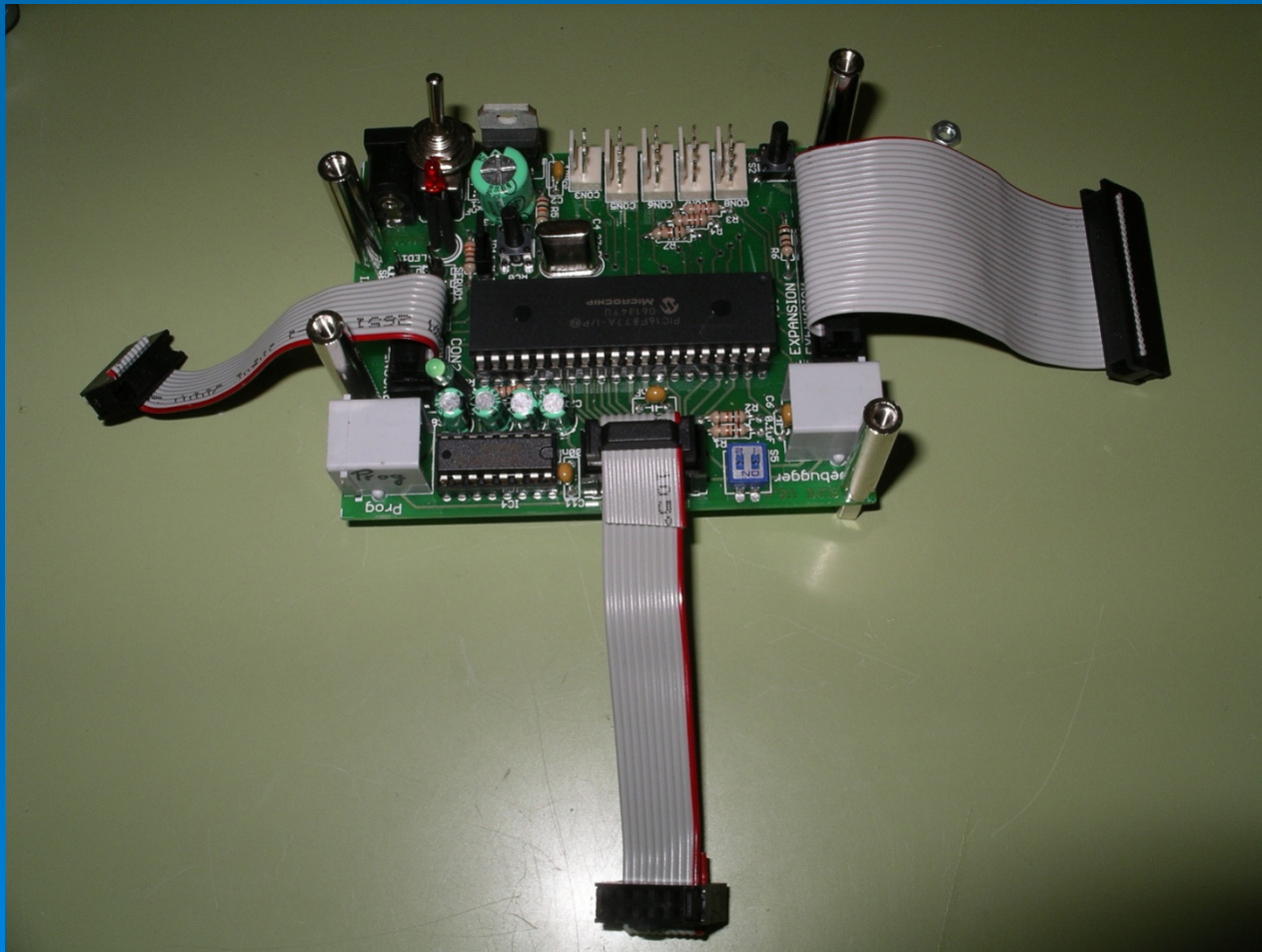
Entradas  
sensores

Trigger Schmitt

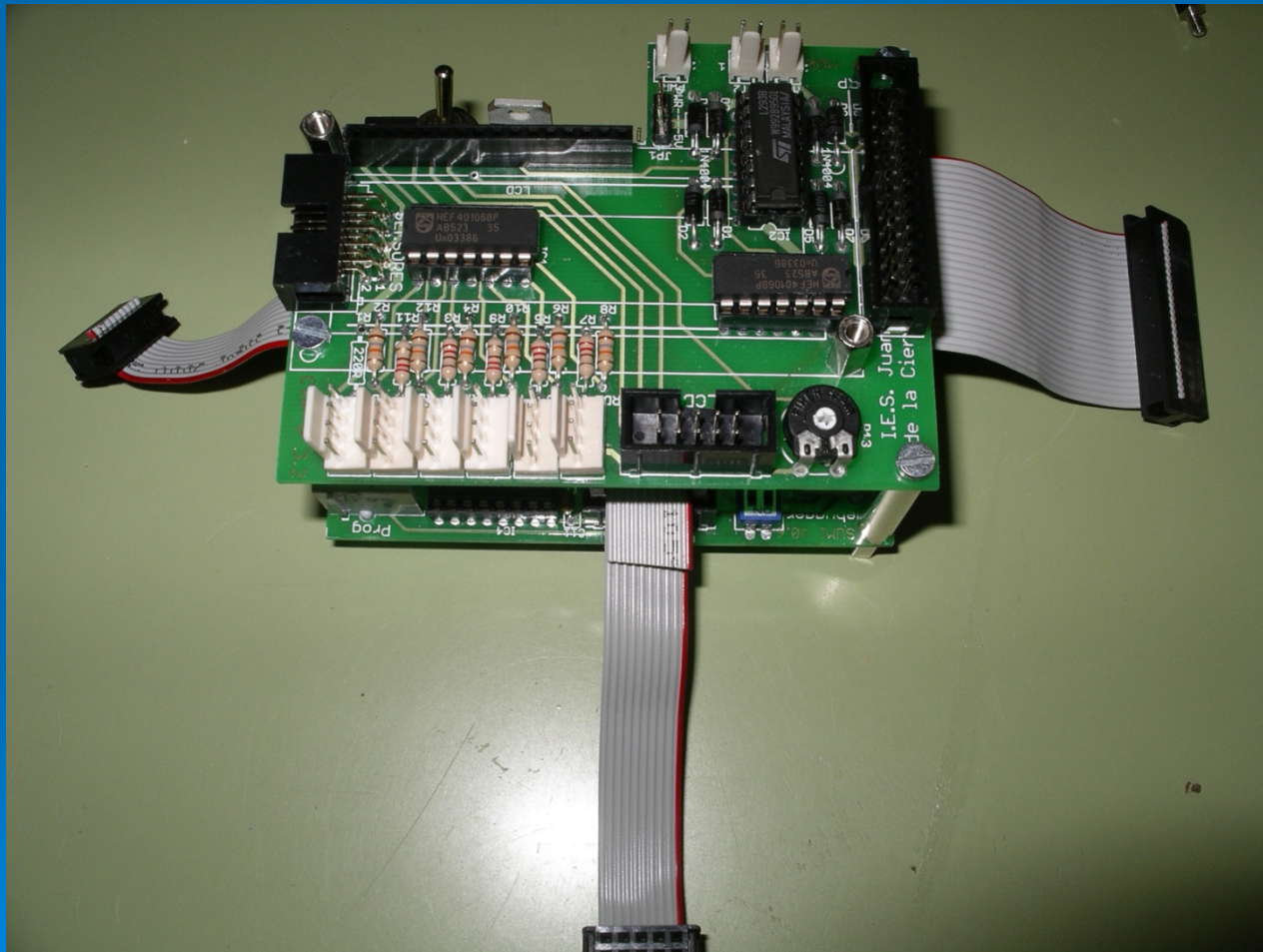


Drivers de Potencia  
L293B

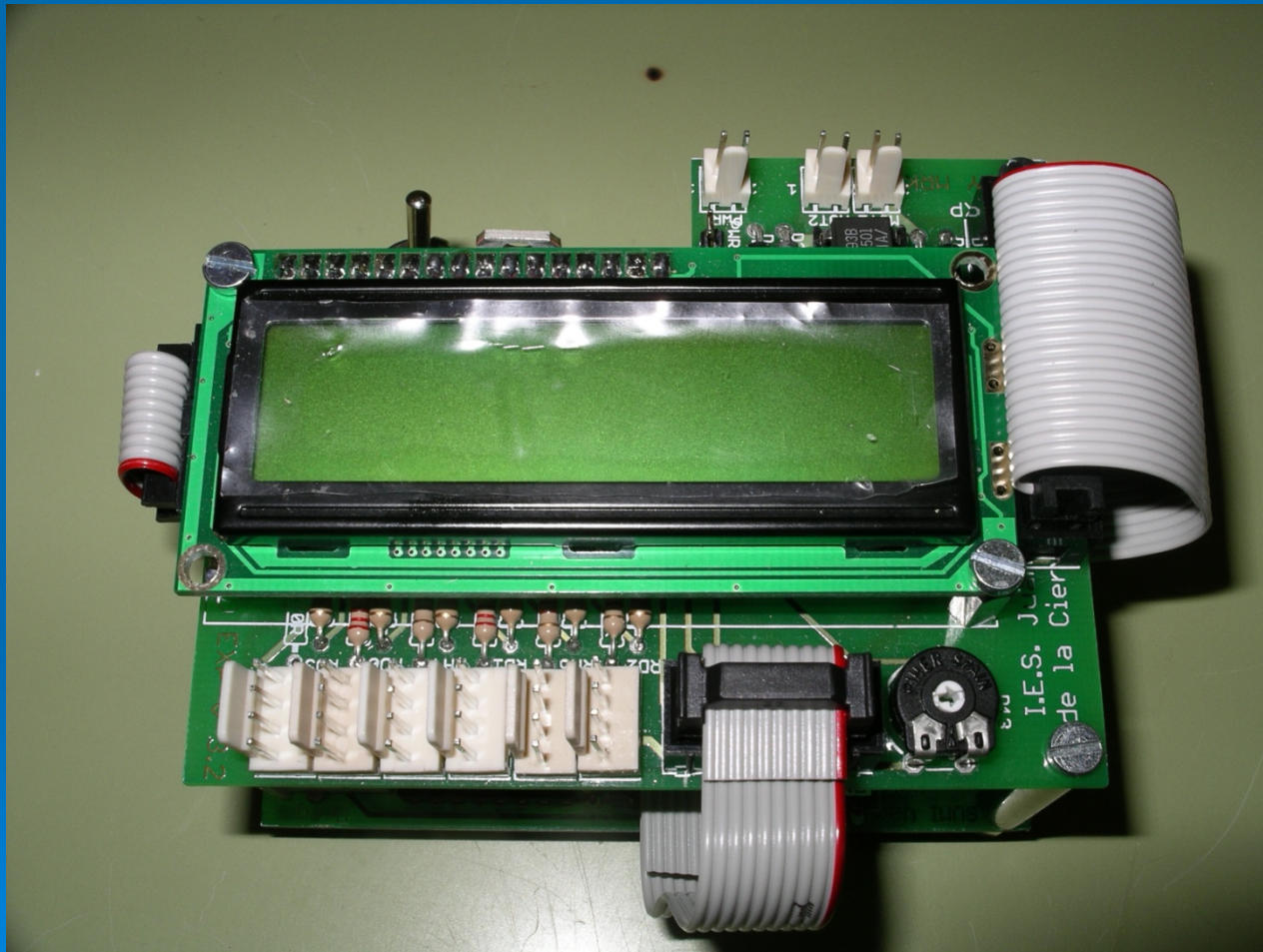
# Cables de conexión

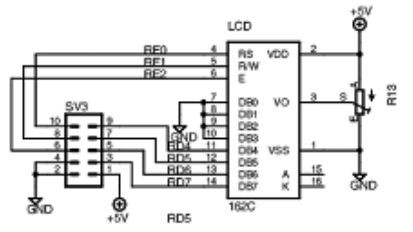
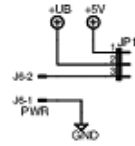
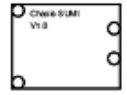
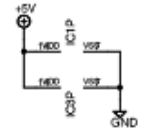
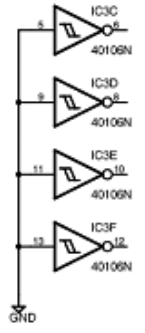
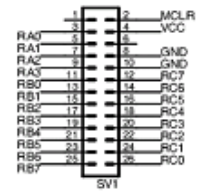
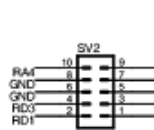
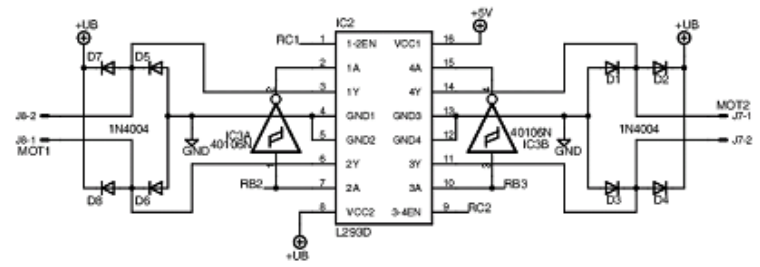
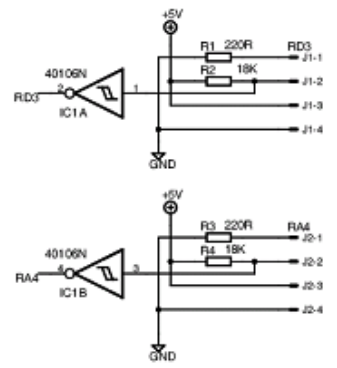
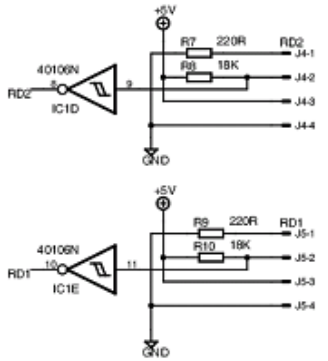
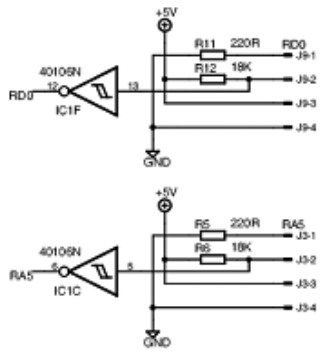


# Montaje placa de drivers



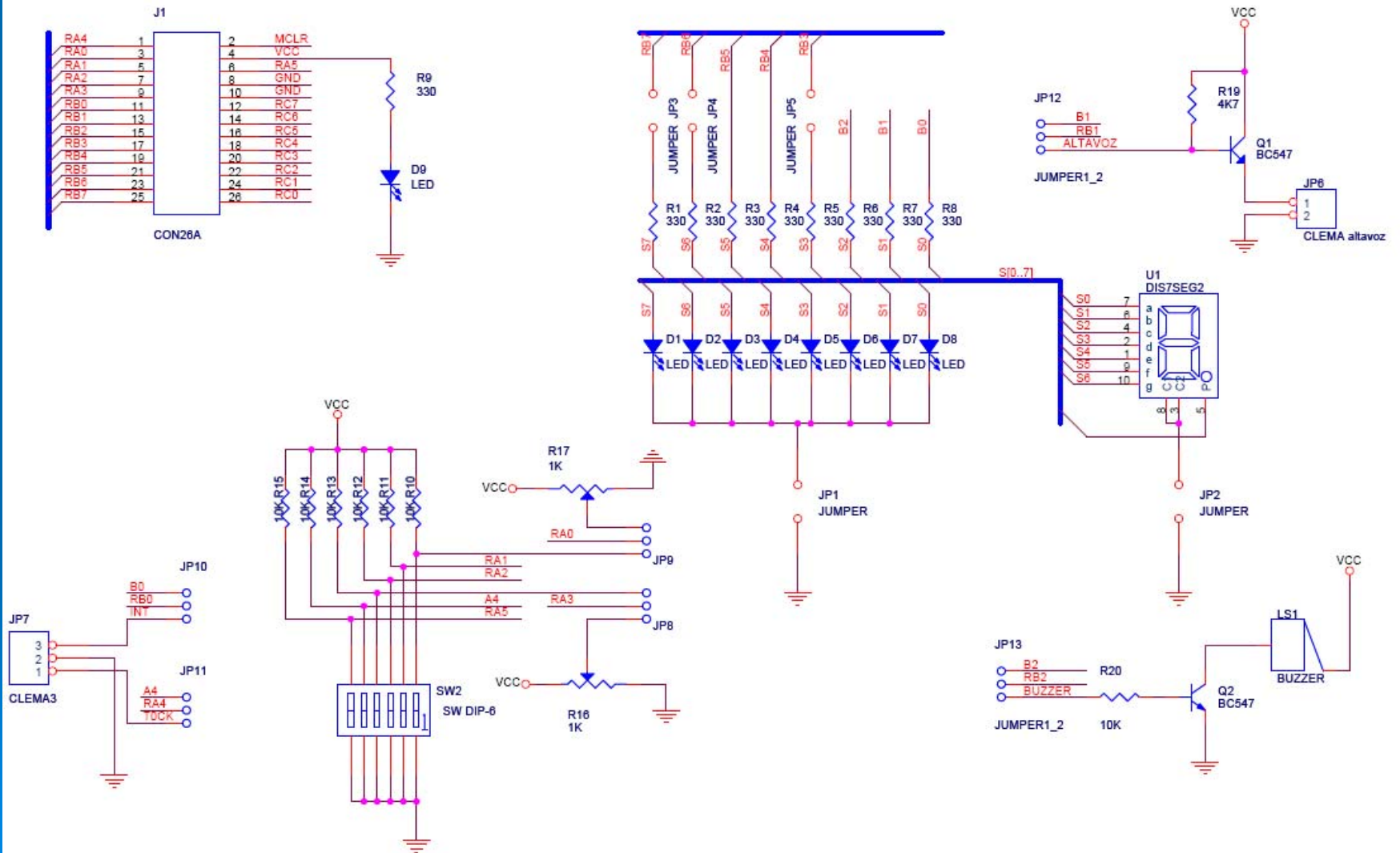
# Vista de la placa montada





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Document Number:	REV:
Date: 06/07/2006 07:52:57	Sheet: 1/1

# Placa Periféricos Monibot



# Placa Periféricos Monibot

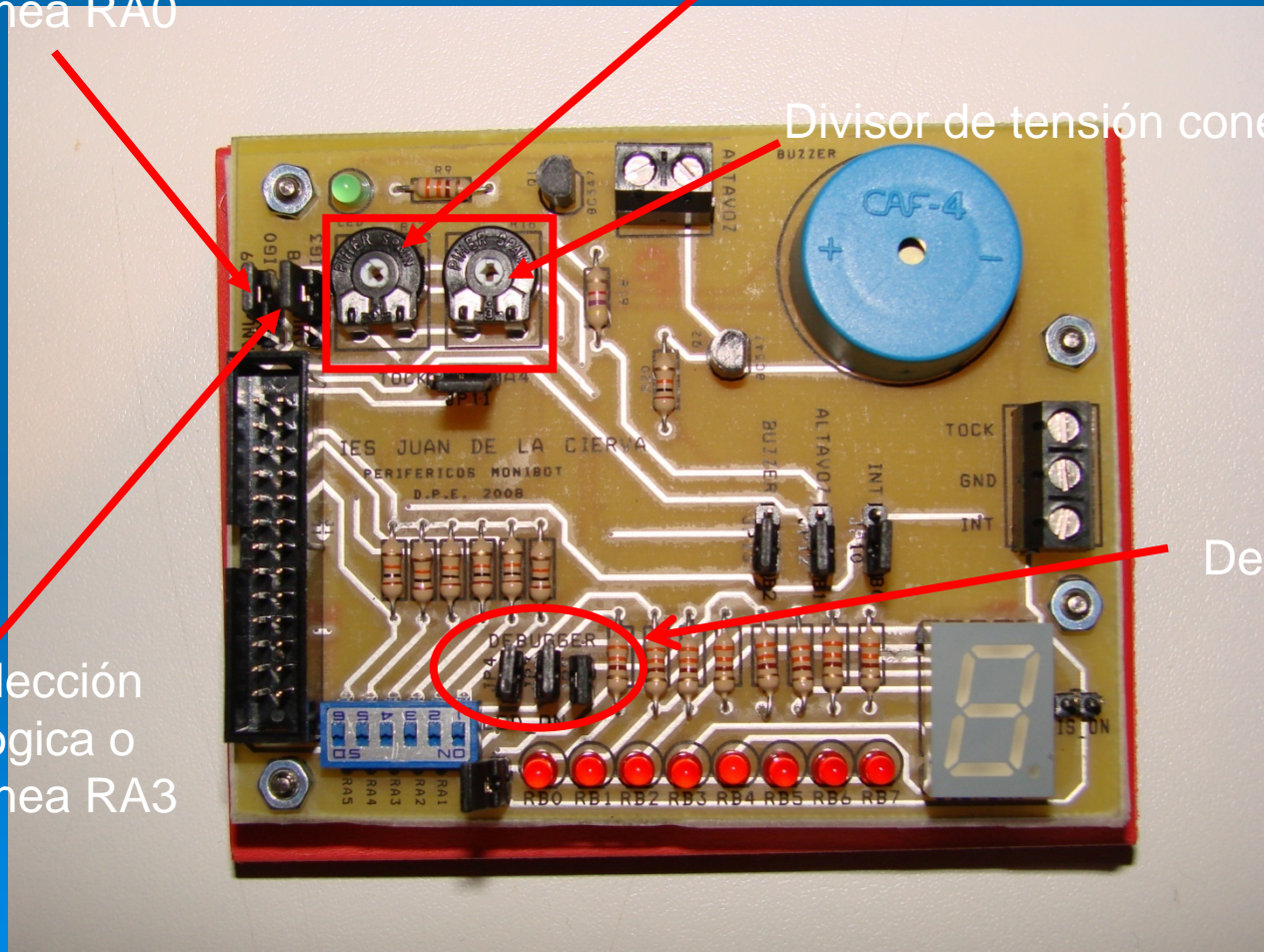
Jumper de selección  
Entrada Analógica o  
Digital de la línea RA0

Divisor de tensión conectado a RA0

Divisor de tensión conectado a RA3

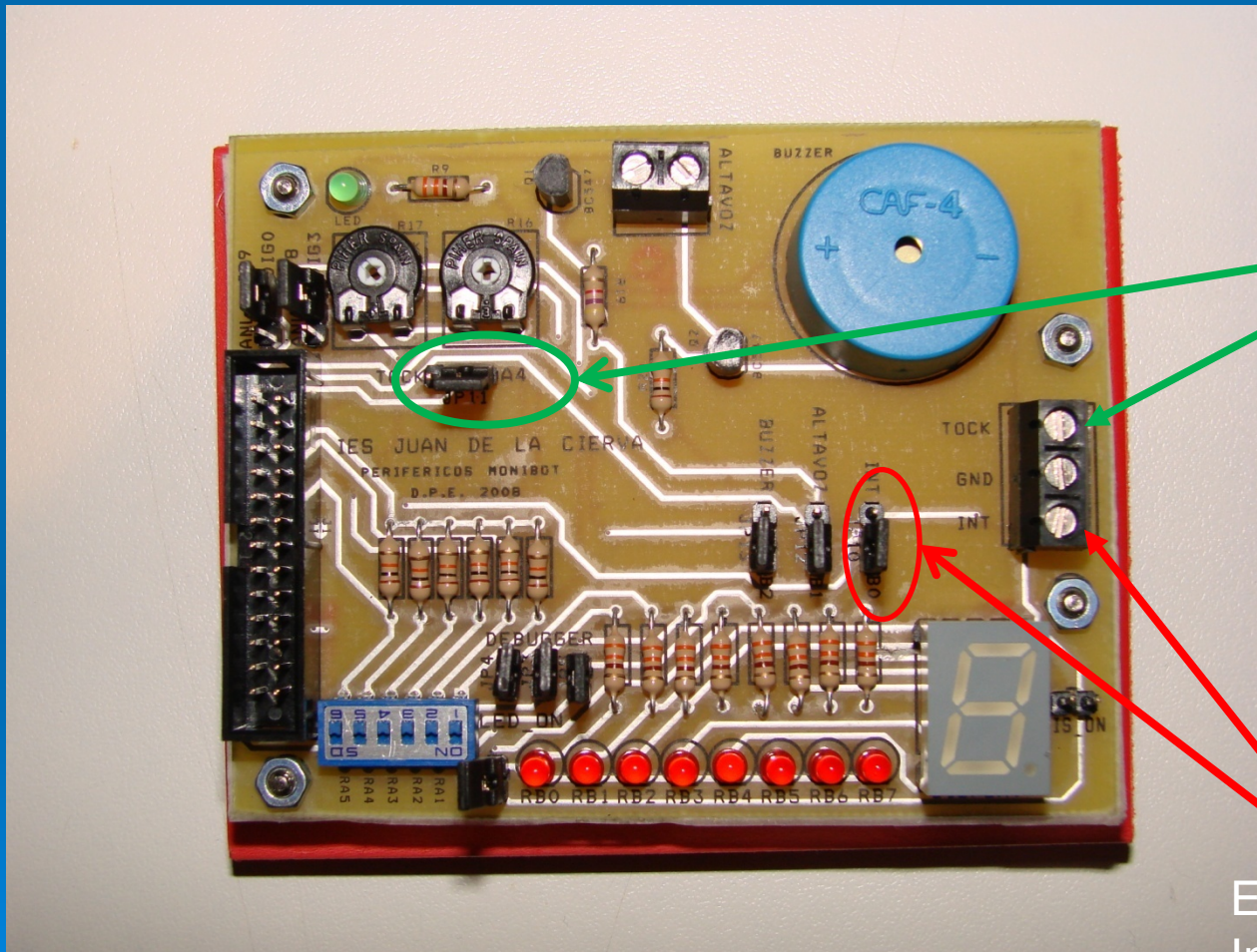
Debugger

Jumper de selección  
Entrada Analógica o  
Digital de la línea RA3





# Placa Periféricos Monibot



Entrada de reloj Externo TMR0

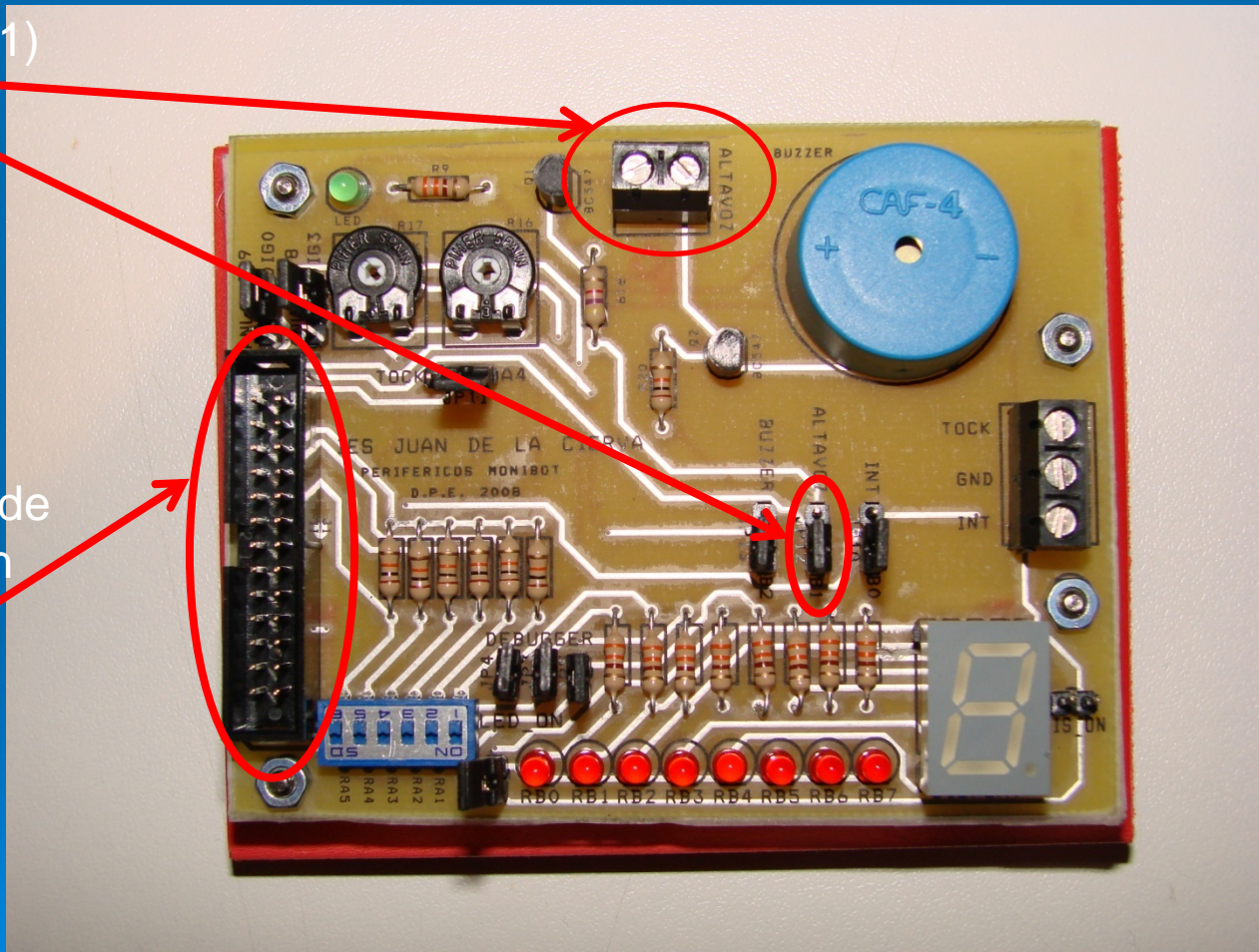
Entrada de Interrupción Externa INT0



# Placa Periféricos Monibot

Altavoz (RB1)

Conector de Expansión



# Placa Periféricos Monibot

