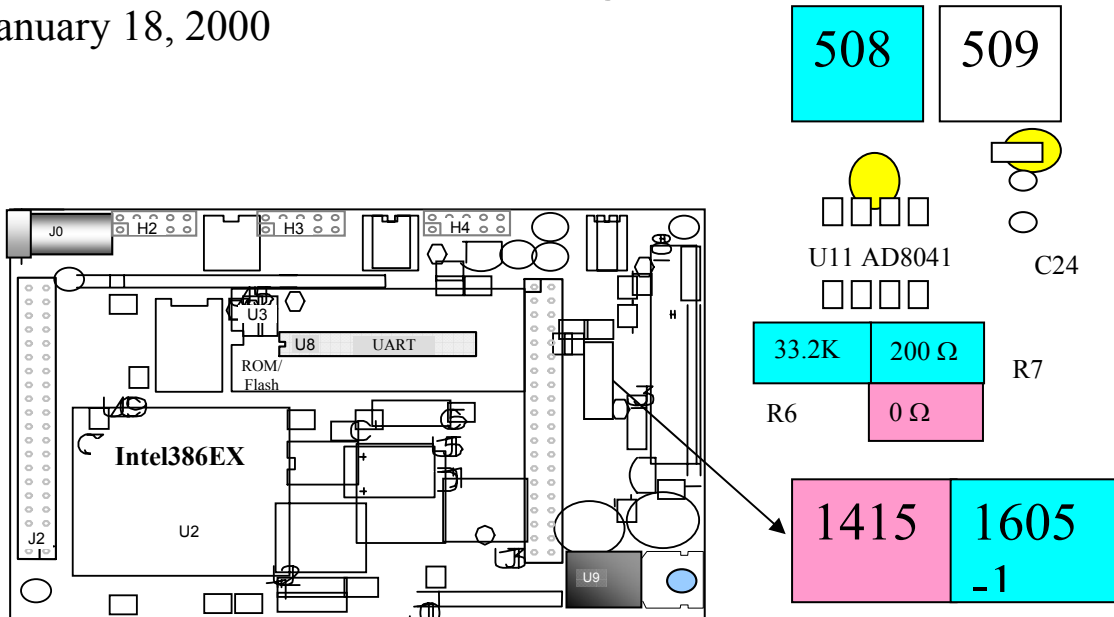


ADC installation on I386-Engine-M

January 18, 2000



Single channel 12-bit ADC LTC1415 Installation:

- 1) Do not install 508 or 509. Short 509 pin 9=GND at C24.
- 2) Solder short U11 ops pin 2=pin3
- 3) Wire short R7. Do not install R6
- 4) Do not install U21 79L05 for -5V.

8 channels 12-bit ADC LTC1415 installation:

- 1) Lift up pin 26 of LTC1415 from PCB, short it to pin 27.
- 2) Install 508 and 1415 on the left side pads.
- 3) Wire short R7. Do not install R6.
- 4) Install U11 AD8041.
- 5) Short 509 pin 9=GND at C24.
- 6) Install U21 79L05 and C23 for -5V.

8 channels 16-bit ADC LTC1605-1 installation:

- 1) Install 508 on left pads and 1605-1 on the right side pads.
- 2) Install R6 and R7.
- 3) Install U11 AD8041.
- 4) Short 509 pin 9=GND at C24.
- 5) Install U21 79L05 and C23 for -5V.

4 channels 14-bit ADC LTC1419CG installation:

- 1) Cut off trace to pin 19 and 20 of the U14 (left side IC).
- 2) Install 1419 in U14 (Left side IC).
- 3) Connect pin 19 of U14 from pin 19 of U014 (right side IC).
- 4) Connect pin 20 of U14 from pin 20 of U014 (right side IC).
- 5) Install 509 on U17 (right side pads).
- 6) Install U21 79L05 and C23 for -5V.
- 7) Wire short R7. Do not install R6.
- 8) Install U11 AD8041.

4 channels 12-bit ADC LTC1409CG installation:

- 1) Install 1409 in U14 (Left side IC).
- 2) Install 509 on U17 (right side pads).
- 3) Install U21 79L05 and C23 for -5V
- 4) Wire short R7. Do not install R6.
- 5) Install U11 AD8041.

