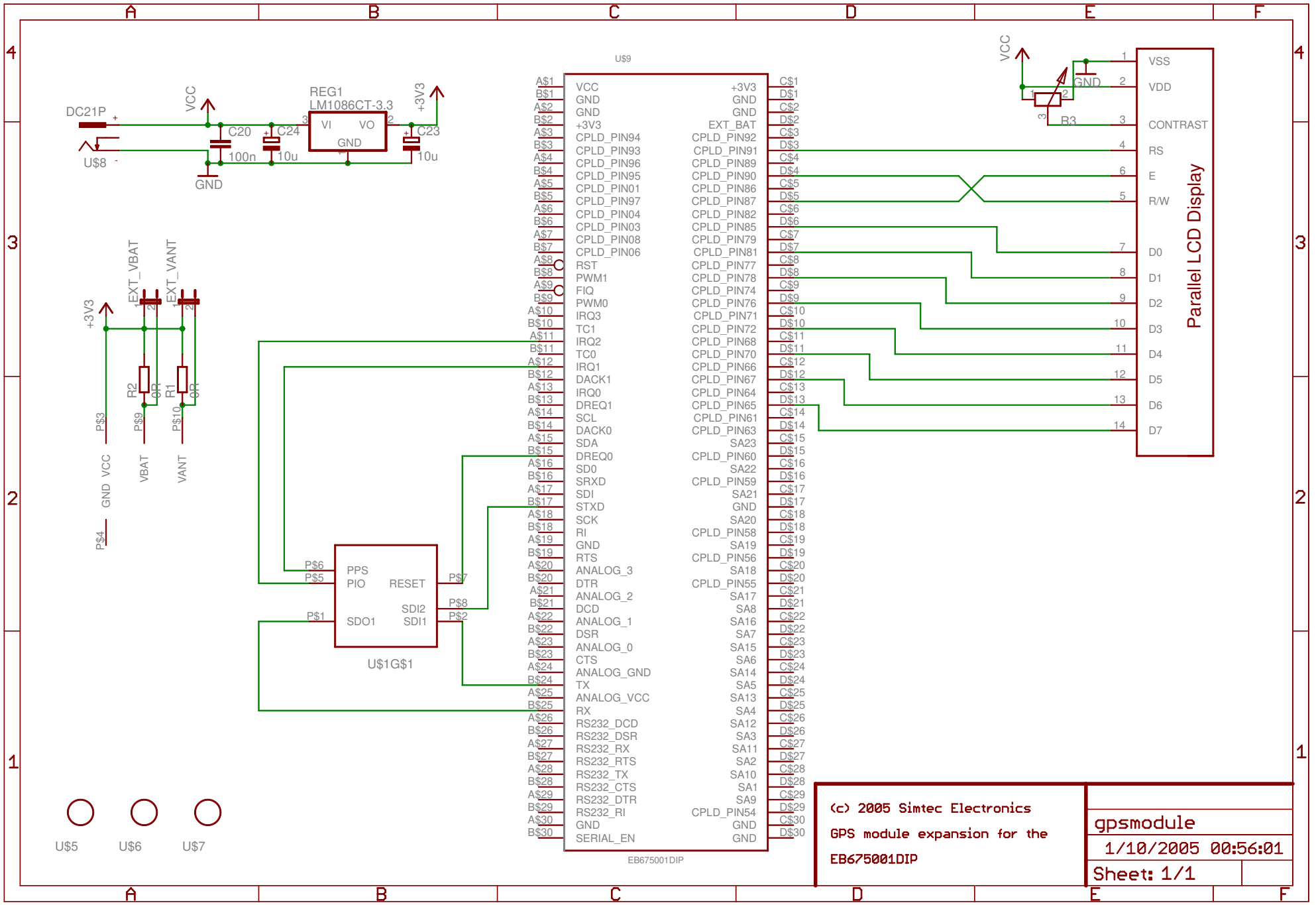
DC21P
U$8
VCC
GND
C20
100n
C24
10u
REG1
LM1086CT-3.3
VI
VO
GND
+3V3
C23
10u
EXT_VBAT
EXT_VANT
+3V3
R2
0R
R1
0R
P$3
P$9
P$10
P$4
GND
VCC
VBAT
VANT
U$5
U$6
U$7
U$9
A$1 VCC
B$1 GND
A$2 GND
B$2 +3V3
A$3 CPLD_PIN94
B$3 CPLD_PIN93
A$4 CPLD_PIN96
B$4 CPLD_PIN95
A$5 CPLD_PIN01
B$5 CPLD_PIN97
A$6 CPLD_PIN04
B$6 CPLD_PIN03
A$7 CPLD_PIN08
B$7 CPLD_PIN06
A$8 RST
B$8 PWM1
A$9 FIQ
B$9 PWM0
A$10 IRQ3
B$10 TC1
A$11 IRQ2
B$11 TC0
A$12 IRQ1
B$12 DACK1
A$13 IRQ0
B$13 DREQ1
A$14 SCL
B$14 DACK0
A$15 SDA
B$15 DREQ0
A$16 SD0
B$16 SRXD
A$17 SDI
B$17 STXD
A$18 SCK
B$18 RI
A$19 GND
B$19 RTS
A$20 ANALOG_3
B$20 DTR
A$21 ANALOG_2
B$21 DCD
A$22 ANALOG_1
B$22 DSR
A$23 ANALOG_0
B$23 CTS
A$24 ANALOG_GND
B$24 TX
A$25 ANALOG_VCC
B$25 RX
A$26 RS232_DCD
B$26 RS232_DSR
A$27 RS232_RX
B$27 RS232_RTS
A$28 RS232_TX
B$28 RS232_CTS
A$29 RS232_DTR
B$29 RS232_RI
A$30 GND
B$30 SERIAL_EN
C$1 +3V3
D$1 GND
C$2 GND
D$2 EXT_BAT
C$3 CPLD_PIN92
D$3 CPLD_PIN91
C$4 CPLD_PIN89
D$4 CPLD_PIN90
C$5 CPLD_PIN86
D$5 CPLD_PIN87
C$6 CPLD_PIN82
D$6 CPLD_PIN85
C$7 CPLD_PIN79
D$7 CPLD_PIN81
C$8 CPLD_PIN77
D$8 CPLD_PIN78
C$9 CPLD_PIN74
D$9 CPLD_PIN76
C$10 CPLD_PIN71
D$10 CPLD_PIN72
C$11 CPLD_PIN68
D$11 CPLD_PIN70
C$12 CPLD_PIN66
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D$15 CPLD_PIN60
C$16 SA22
D$16 CPLD_PIN59
C$17 SA21
D$17 GND
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C$19 SA19
D$19 CPLD_PIN56
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D$20 CPLD_PIN55
C$21 SA17
D$21 SA8
C$22 SA16
D$22 SA7
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D$23 SA6
C$24 SA14
D$24 SA5
C$25 SA13
D$25 SA4
C$26 SA12
D$26 SA3
C$27 SA11
D$27 SA2
C$28 SA10
D$28 SA1
C$29 SA9
D$29 CPLD_PIN54
C$30 GND
D$30 GND
EB675001DIP
P$6
P$5
PPS
PIO
RESET
P$7
P$1
SDO1
SDI2
SDI1
P$8
P$2
U$1G$1
VCC
GND
R3
1
2
3
VSS
VDD
CONTRAST
RS
E
R/W
D0
D1
D2
D3
D4
D5
D6
D7
Parallel LCD Display
(c) 2005 Simtec Electronics
GPS module expansion for the
EB675001DIP
gpsmodule
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Sheet: 1/1