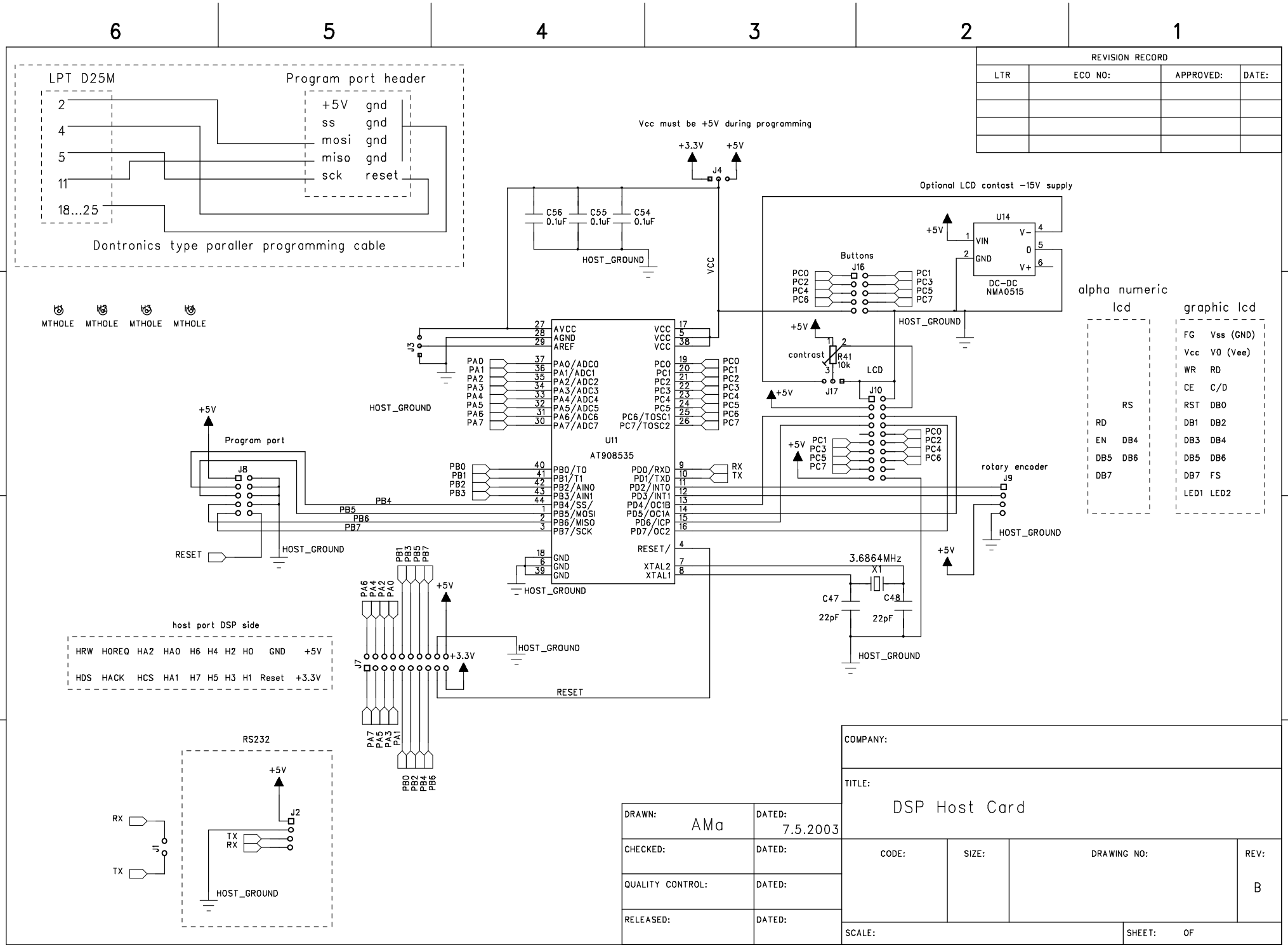
REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
LPT D25M
Program port header
+5V gnd
ss gnd
mosi gnd
miso gnd
sck reset
2
4
5
11
18...25
Dontronics type paraller programming cable
Vcc must be +5V during programming
+3.3V
+5V
J4
C56 0.1uF
C55 0.1uF
C54 0.1uF
HOST_GROUND
VCC
Optional LCD contast -15V supply
U14
VIN
GND
V-
0
V+
DC-DC NMA0515
Buttons
J16
PC0 PC2 PC4 PC6
PC1 PC3 PC5 PC7
contrast
R41 10k
LCD
J17
J10
MTHOLE
MTHOLE
MTHOLE
MTHOLE
J3
AVCC
AGND
AREF
PA0/ADC0
PA1/ADC1
PA2/ADC2
PA3/ADC3
PA4/ADC4
PA5/ADC5
PA6/ADC6
PA7/ADC7
PC0/TOSC1
PC7/TOSC2
U11
AT908535
PB0/T0
PB1/T1
PB2/AIN0
PB3/AIN1
PB4/SS/
PB5/MOSI
PB6/MISO
PB7/SCK
PD0/RXD
PD1/TXD
PD2/INT0
PD3/INT1
PD4/OC1B
PD5/OC1A
PD6/ICP
PD7/OC2
RESET/
XTAL2
XTAL1
GND
RX
TX
Program port
J8
RESET
PB4
PB5
PB6
PB7
3.6864MHz
X1
C47 22pF
C48 22pF
rotary encoder
J9
alpha numeric lcd
RS
RD
EN DB4
DB5 DB6
DB7
graphic lcd
FG Vss (GND)
Vcc V0 (Vee)
WR RD
CE C/D
RST DB0
DB1 DB2
DB3 DB4
DB5 DB6
DB7 FS
LED1 LED2
host port DSP side
HRW HOREQ HA2 HA0 H6 H4 H2 H0 GND +5V
HDS HACK HCS HA1 H7 H5 H3 H1 Reset +3.3V
J7
RS232
J2
TX
RX
J1
DRAWN: AMa
DATED: 7.5.2003
CHECKED:
QUALITY CONTROL:
RELEASED:
COMPANY:
TITLE:
DSP Host Card
CODE:
SIZE:
DRAWING NO:
REV: B
SCALE:
SHEET: OF