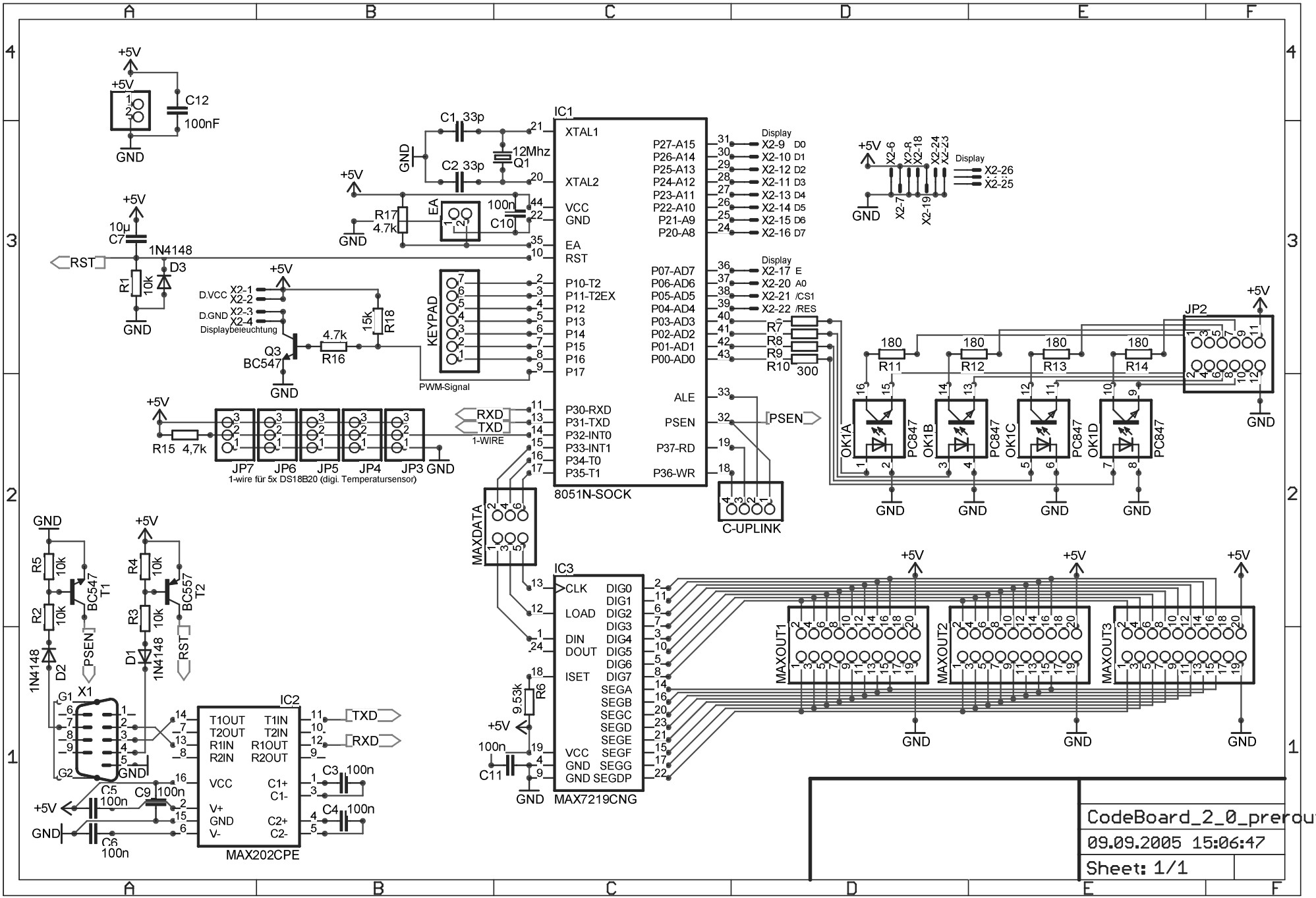
IC1
8051N-SOCK
XTAL1
XTAL2
VCC
GND
EA
RST
P10-T2
P11-T2EX
P12
P13
P14
P15
P16
P17
P30-RXD
P31-TXD
P32-INT0
P33-INT1
P34-T0
P35-T1
P27-A15
P26-A14
P25-A13
P24-A12
P23-A11
P22-A10
P21-A9
P20-A8
P07-AD7
P06-AD6
P05-AD5
P04-AD4
P03-AD3
P02-AD2
P01-AD1
P00-AD0
ALE
PSEN
P37-RD
P36-WR
C1 33p
C2 33p
12Mhz
Q1
C10 100n
R17 4.7k
C7 10µ
1N4148
D3
R1 10k
RST
+5V
GND
C12 100nF
D.VCC X2-1 X2-2
D.GND X2-3 X2-4
Displaybeleuchtung
Q3 BC547
R16 4.7k
R18 15k
KEYPAD
PWM-Signal
R15 4,7k
JP7 JP6 JP5 JP4 JP3
1-wire für 5x DS18B20 (digi. Temperatursensor)
RXD
TXD
1-WIRE
MAXDATA
C-UPLINK
Display
X2-9 D0
X2-10 D1
X2-12 D2
X2-11 D3
X2-13 D4
X2-14 D5
X2-15 D6
X2-16 D7
X2-17 E
X2-20 A0
X2-21 /CS1
X2-22 /RES
X2-6 X2-8 X2-18 X2-24 X2-23
X2-7 X2-19
X2-26
X2-25
R7 R8 R9 R10 300
R11 R12 R13 R14 180
OK1A OK1B OK1C OK1D PC847
JP2
IC3
MAX7219CNG
CLK
LOAD
DIN
DOUT
ISET
VCC
GND
DIG0 DIG1 DIG2 DIG3 DIG4 DIG5 DIG6 DIG7
SEGA SEGB SEGC SEGD SEGE SEGF SEGG SEGDP
R6 9,53k
C11 100n
MAXOUT1 MAXOUT2 MAXOUT3
R5 10k R2 10k R4 10k R3 10k
BC547 T1
BC557 T2
D2 1N4148
D1 1N4148
X1
G1 G2
IC2
MAX202CPE
T1OUT T2OUT R1IN R2IN
T1IN T2IN R1OUT R2OUT
VCC V+ GND V-
C1+ C1- C2+ C2-
C3 100n
C4 100n
C5 100n
C6 100n
C9 100n
CodeBoard_2_0_preroute
09.09.2005 15:06:47
Sheet: 1/1