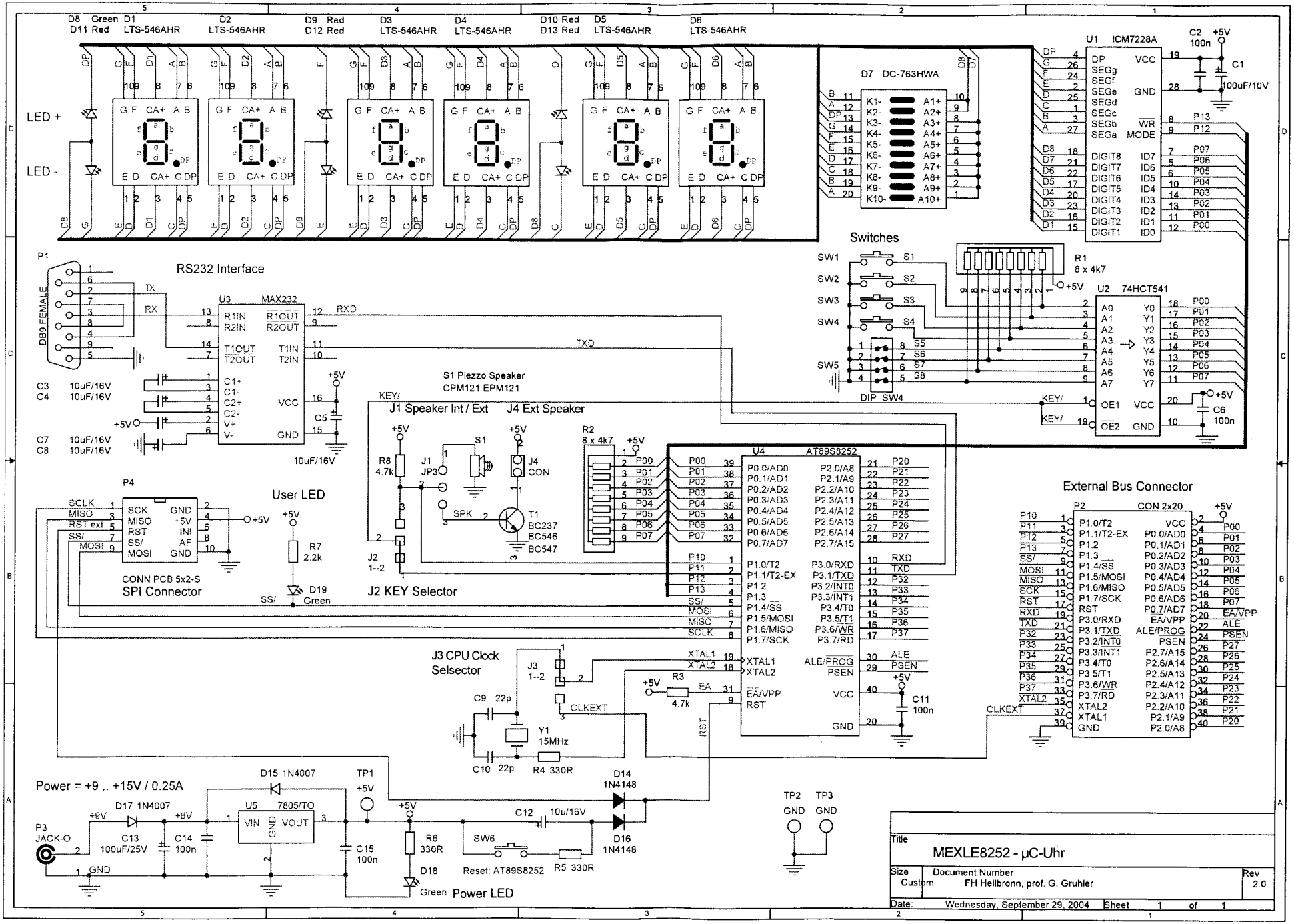
D8 Green D1
D11 Red LTS-546AHR
D2 LTS-546AHR
D9 Red D3
D12 Red LTS-546AHR
D4 LTS-546AHR
D10 Red D5
D13 Red LTS-546AHR
D6 LTS-546AHR
LED +
LED -
D7 DC-763HWA
U1 ICM7228A
C2 +5V 100n
C1 100uF/10V
P1
RS232 Interface
DB9 FEMALE
TX
RX
U3 MAX232
RXD
TXD
C3 10uF/16V
C4 10uF/16V
C7 10uF/16V
C8 10uF/16V
C5 10uF/16V
S1 Piezzo Speaker
CPM121 EPM121
KEY/
J1 Speaker Int / Ext
J4 Ext Speaker
R8 4.7k
J1 JP3
J4 CON
T1 BC237 BC546 BC547
R2 8 x 4k7
J2 1--2
J2 KEY Selector
Switches
SW1
SW2
SW3
SW4
SW5
S1
S2
S3
S4
S5
S6
S7
S8
DIP SW4
R1 8 x 4k7
U2 74HCT541
C6 100n
P4
SCLK
MISO
RST ext
SS/
MOSI
CONN PCB 5x2-S
SPI Connector
User LED
R7 2.2k
D19 Green
U4 AT89S8252
External Bus Connector
P2 CON 2x20
J3 CPU Clock Selsector
J3 1--2
C9 22p
C10 22p
Y1 15MHz
R4 330R
CLKEXT
R3 4.7k
C11 100n
RST
Power = +9 .. +15V / 0.25A
P3 JACK-O
D15 1N4007
D17 1N4007
U5 7805/TO
TP1
C13 100uF/25V
C14 100n
C15 100n
R6 330R
D18 Green Power LED
SW6
Reset: AT89S8252
R5 330R
C12 10u/16V
D14 1N4148
D16 1N4148
TP2 GND
TP3 GND
Title
MEXLE8252 - µC-Uhr
Size Custom
Document Number FH Heilbronn, prof. G. Gruhler
Rev 2.0
Date: Wednesday, September 29, 2004
Sheet 1 of 1