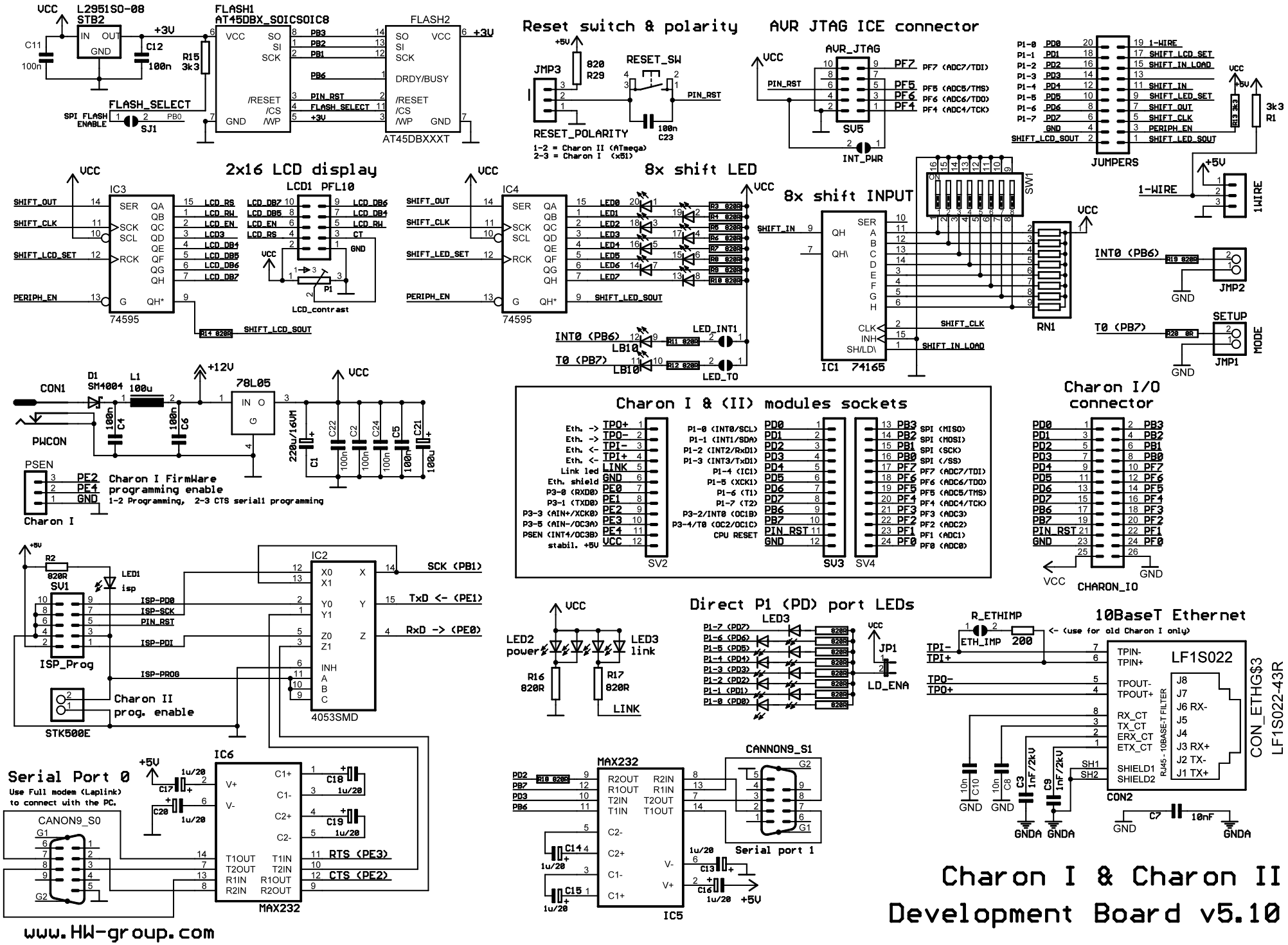
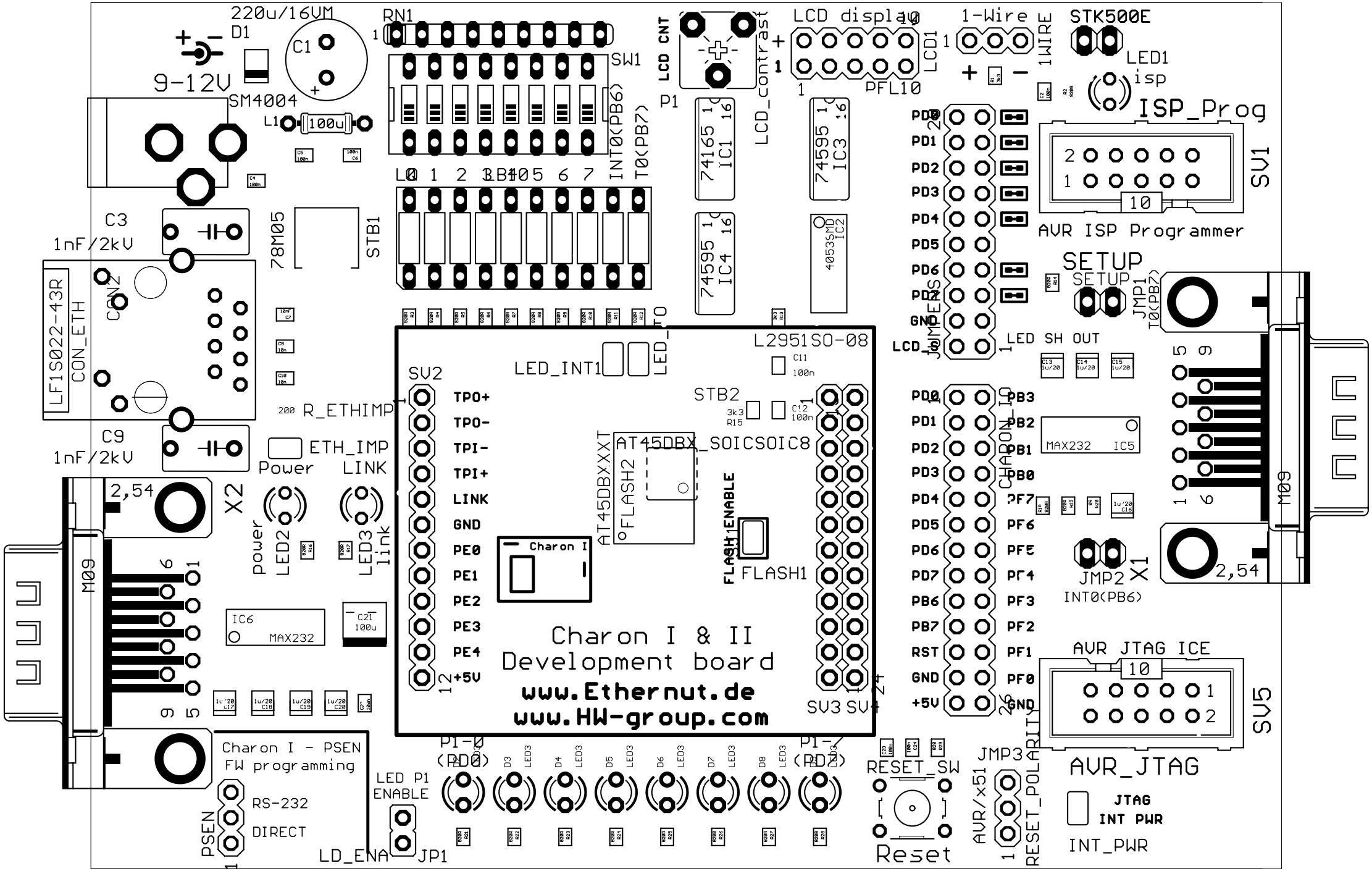

L2951SO-08
STB2
FLASH1
AT45DBX_SOICSOIC8
FLASH2
AT45DBXXXT
FLASH_SELECT
SPI FLASH ENABLE
SJ1
Reset switch & polarity
RESET_POLARITY
1-2 = Charon II (ATmega)
2-3 = Charon I (x51)
RESET_SW
AVR JTAG ICE connector
AVR_JTAG
SV5
INT_PWR
JUMPERS
2x16 LCD display
LCD1 PFL10
LCD_contrast
74595
8x shift LED
8x shift INPUT
IC1 74165
RN1
SW1
1-WIRE
JMP2
JMP1
SETUP
MODE
CON1
PWCON
78L05
Charon I FirmWare programming enable
1-2 Programming, 2-3 CTS serial1 programming
Charon I
Charon I & (II) modules sockets
SV2
SV3
SV4
Charon I/O connector
CHARON_IO
ISP_Prog
STK500E
Charon II prog. enable
4053SMD
LED2 power
LED3 link
Direct P1 (PD) port LEDs
LD_ENA
10BaseT Ethernet
LF1S022
CON_ETHG$3
LF1S022-43R
CON2
Serial Port 0
Use Full modem (Laplink) to connect with the PC.
CANON9_S0
MAX232
IC6
IC5
CANNON9_S1
Serial port 1
www.HW-group.com
Charon I & Charon II
Development Board v5.10


220u/16VM
D1
C1
9-12V
SM4004
L1
100u
RN1
SW1
LCD CNT
P1
LCD_contrast
LCD display
LCD1
PFL10
1-Wire
1WIRE
STK500E
LED1
isp
ISP_Prog
SV1
AVR ISP Programmer
C3
1nF/2kV
78M05
STB1
74165
IC1
74595
IC3
74595
IC4
4053SMD
IC2
LF1S022-43R
CON_ETH
CON2
C9
1nF/2kV
R_ETHIMP
ETH_IMP
Power
LINK
X2
2,54
M09
power
LED2
LED3
link
IC6
MAX232
C21
100u
SETUP
JMP1
T0(PB7)
JUMPERS
LED SH OUT
L2951SO-08
LED_INT1
SV2
TP0+
TP0-
TPI-
TPI+
LINK
GND
PE0
PE1
PE2
PE3
PE4
+5V
STB2
3k3
R15
C12
100n
AT45DBX_SOICSOIC8
AT45DBXXXT
FLASH2
FLASH ENABLE
FLASH1
Charon I
Charon I & II
Development board
www.Ethernut.de
www.HW-group.com
SV3 SV4
CHARON_IO
MAX232
IC5
JMP2
INT0(PB6)
X1
AVR JTAG ICE
SV5
AVR_JTAG
JTAG
INT PWR
INT_PWR
Charon I - PSEN
FW programming
RS-232
DIRECT
PSEN
LD_ENA
JP1
LED P1
ENABLE
P1-0
(PD0)
P1-
(PD3)
RESET_SW
Reset
JMP3
AVR/x51
RESET_POLARITY