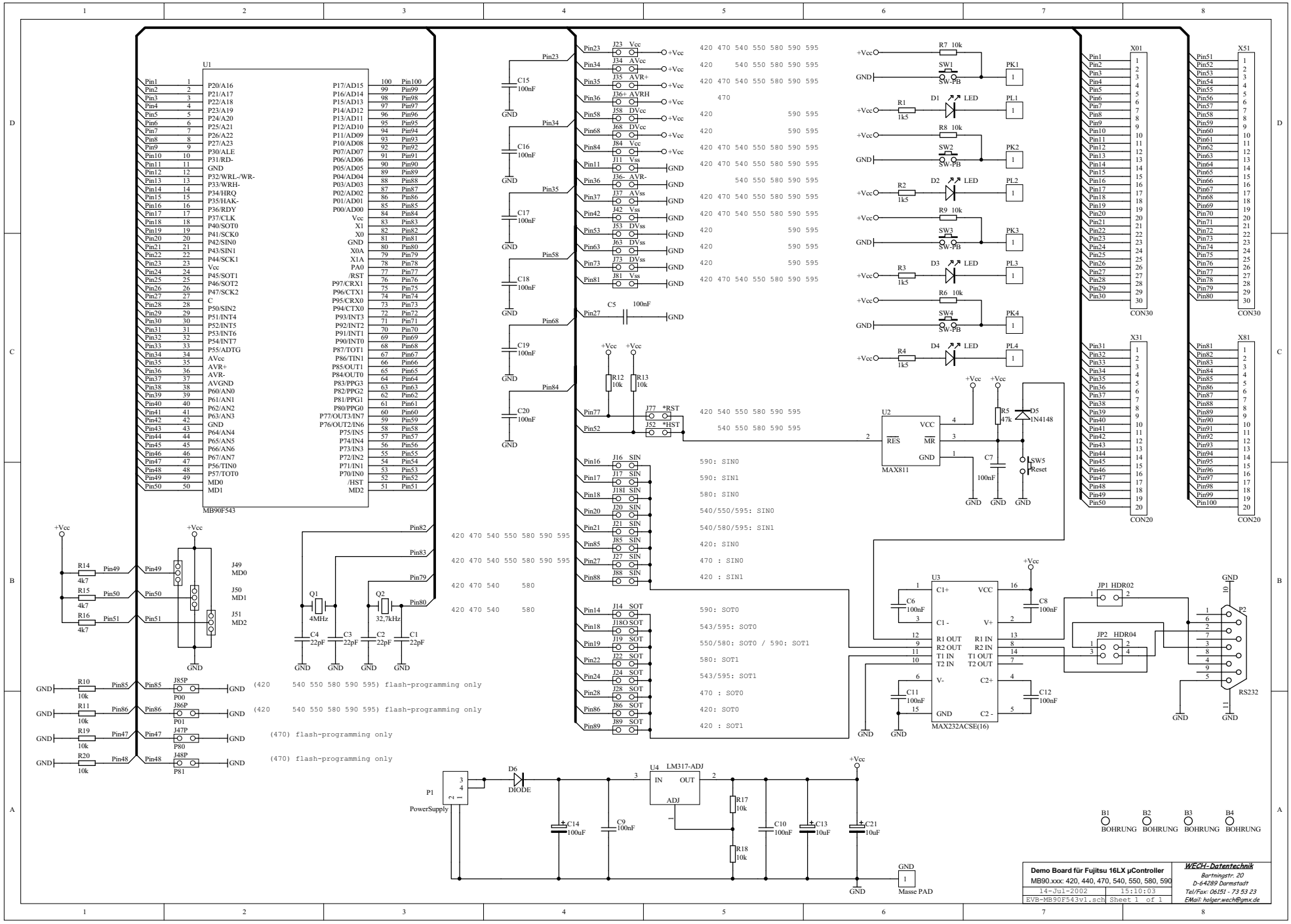
U1
MB90F543
P20/A16
P21/A17
P22/A18
P23/A19
P24/A20
P25/A21
P26/A22
P27/A23
P30/ALE
P31/RD-
GND
P32/WRL-/WR-
P33/WRH-
P34/HRQ
P35/HAK-
P36/RDY
P37/CLK
P40/SOT0
P41/SCK0
P42/SIN0
P43/SIN1
P44/SCK1
Vcc
P45/SOT1
P46/SOT2
P47/SCK2
C
P50/SIN2
P51/INT4
P52/INT5
P53/INT6
P54/INT7
P55/ADTG
AVcc
AVR+
AVR-
AVGND
P60/AN0
P61/AN1
P62/AN2
P63/AN3
GND
P64/AN4
P65/AN5
P66/AN6
P67/AN7
P56/TIN0
P57/TOT0
MD0
MD1
P17/AD15
P16/AD14
P15/AD13
P14/AD12
P13/AD11
P12/AD10
P11/AD09
P10/AD08
P07/AD07
P06/AD06
P05/AD05
P04/AD04
P03/AD03
P02/AD02
P01/AD01
P00/AD00
Vcc
X1
X0
GND
X0A
X1A
PA0
/RST
P97/CRX1
P96/CTX1
P95/CRX0
P94/CTX0
P93/INT3
P92/INT2
P91/INT1
P90/INT0
P87/TOT1
P86/TIN1
P85/OUT1
P84/OUT0
P83/PPG3
P82/PPG2
P81/PPG1
P80/PPG0
P77/OUT3/IN7
P76/OUT2/IN6
P75/IN5
P74/IN4
P73/IN3
P72/IN2
P71/IN1
P70/IN0
/HST
MD2
J23 Vcc
J34 AVcc
J35 AVR+
J36+ AVRH
J58 DVcc
J68 DVcc
J84 Vcc
J11 Vss
J36- AVR-
J37 AVss
J42 Vss
J53 DVss
J63 DVss
J73 DVss
J81 Vss
420 470 540 550 580 590 595
420 540 550 580 590 595
420 470 540 550 580 590 595
470
420 590 595
420 590 595
420 470 540 550 580 590 595
420 470 540 550 580 590 595
540 550 580 590 595
420 470 540 550 580 590 595
420 470 540 550 580 590 595
420 590 595
420 590 595
420 590 595
420 470 540 550 580 590 595
C5 100nF
J77 *RST
J52 *HST
420 540 550 580 590 595
540 550 580 590 595
J16 SIN
J17 SIN
J18I SIN
J20 SIN
J21 SIN
J85 SIN
J27 SIN
J88 SIN
590: SIN0
590: SIN1
580: SIN0
540/550/595: SIN0
540/580/595: SIN1
420: SIN0
470 : SIN0
420 : SIN1
J14 SOT
J18O SOT
J19 SOT
J22 SOT
J24 SOT
J28 SOT
J86 SOT
J89 SOT
590: SOT0
543/595: SOT0
550/580: SOT0 / 590: SOT1
580: SOT1
543/595: SOT1
470 : SOT0
420: SOT0
420 : SOT1
R7 10k
SW1 SW-PB
PK1
R1 1k5
D1 LED
PL1
R8 10k
SW2 SW-PB
PK2
R2 1k5
D2 LED
PL2
R9 10k
SW3 SW-PB
PK3
R3 1k5
D3 LED
PL3
R6 10k
SW4 SW-PB
PK4
R4 1k5
D4 LED
PL4
U2
MAX811
RES
VCC
MR
GND
R5 47k
D5 1N4148
C7 100nF
SW5 Reset
X01
CON30
X51
CON30
X31
CON20
X81
CON20
U3
MAX232ACSE(16)
C1+
C1 -
R1 OUT
R2 OUT
T1 IN
T2 IN
V-
VCC
V+
R1 IN
R2 IN
T1 OUT
T2 OUT
C2+
C2 -
C6 100nF
C8 100nF
C11 100nF
C12 100nF
JP1 HDR02
JP2 HDR04
P2
RS232
R14 4k7
R15 4k7
R16 4k7
J49 MD0
J50 MD1
J51 MD2
Q1 4MHz
Q2 32,7kHz
C4 22pF
C3 22pF
C2 22pF
C1 22pF
R10 10k
R11 10k
R19 10k
R20 10k
J85P P00
J86P P01
J47P P80
J48P P81
(420 540 550 580 590 595) flash-programming only
(420 540 550 580 590 595) flash-programming only
(470) flash-programming only
(470) flash-programming only
P1 PowerSupply
D6 DIODE
U4 LM317-ADJ
IN
OUT
ADJ
C14 100uF
C9 100nF
R17 10k
R18 10k
C10 100nF
C13 10uF
C21 10uF
Masse PAD
B1 BOHRUNG
B2 BOHRUNG
B3 BOHRUNG
B4 BOHRUNG
Demo Board für Fujitsu 16LX µController
MB90.xxx: 420, 440, 470, 540, 550, 580, 590
14-Jul-2002
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EVB-MB90F543v1.sch
Sheet 1 of 1
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