

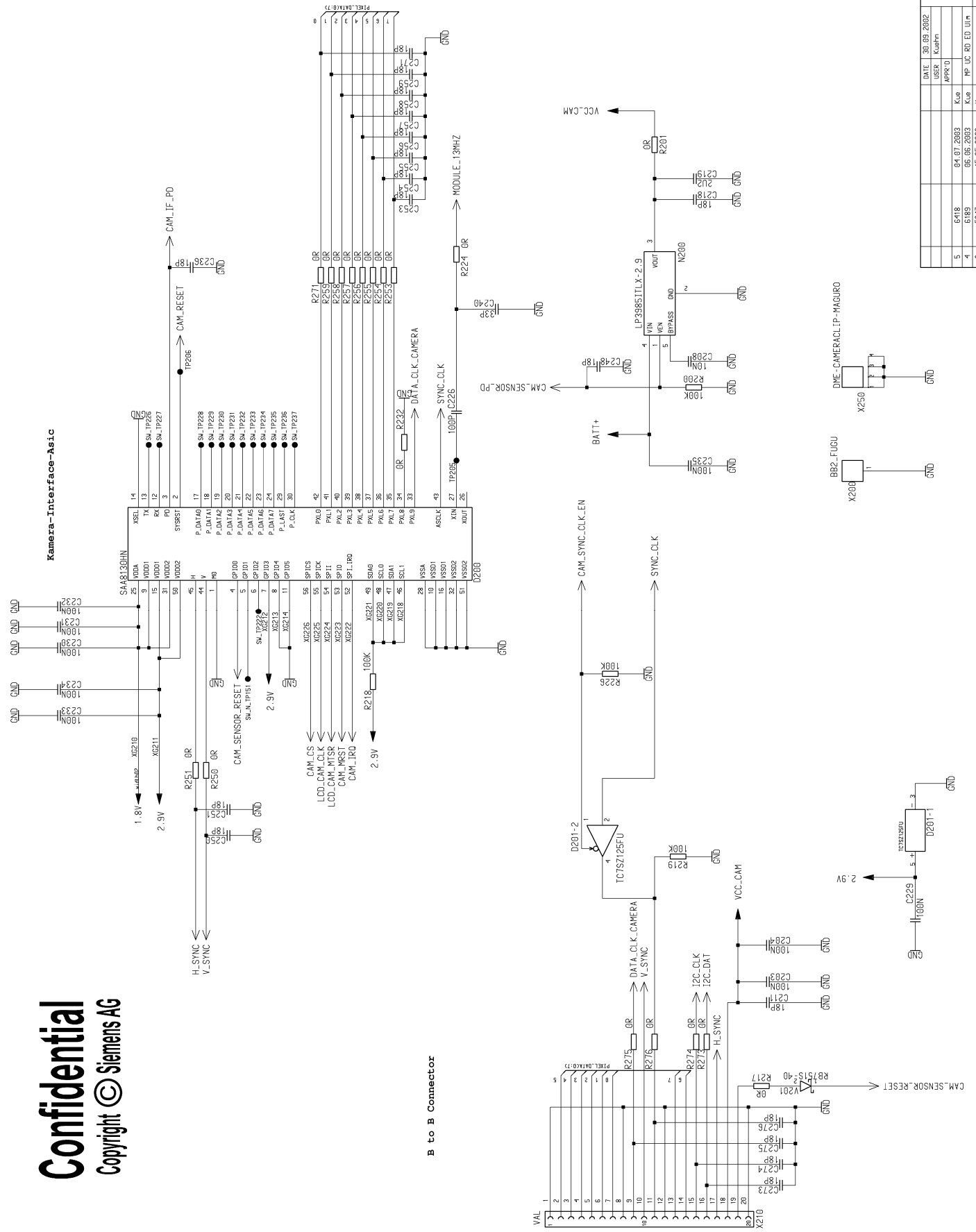
DATE: 30.09.2002
 USER: Kuehn
 APP'D:
 DATE: 04.07.2003
 USER: Kuehn
 APP'D:
 DATE: 05.06.2003
 USER: Kuehn
 APP'D:
 DATE: 15.05.2003
 USER: Kuehn
 APP'D:
 DATE: 20.03.2003
 USER: Kuehn
 APP'D:
 DATE: 05.02.2003
 USER: Kuehn
 APP'D:

Maguro B2
 Variante 1
 CIRCUIT DIAGRAM
 1:1
 Siemens AG
 31678

VERS. CHANGE NUMBER DATE NAME
 1 05.02.2003 Sjo
 2 20.03.2003 Kue
 3 15.05.2003 Kue
 4 05.06.2003 Kue
 5 04.07.2003 Kue

NB = nicht bestueckt
 NG = keine Stechnummer

(Created by BOM number: A560890019659-678)



NP = nicht bestueckt
NG = keine Sachnummer

DATE	30.09.2002	NAME	DATE	VERS.	CHANGE NUMBER
USER	Kuehn				
APP'D					
Kup	04.07.2003	Kup			
Kup	06.06.2003	Kup			
Kup	15.05.2003	Kup			
Stg	20.03.2003	Stg			
Stg	06.02.2003	Stg			

DATE	30.09.2002	NAME	DATE	VERS.	CHANGE NUMBER
USER	Kuehn				
APP'D					
Kup	04.07.2003	Kup			
Kup	06.06.2003	Kup			
Kup	15.05.2003	Kup			
Stg	20.03.2003	Stg			
Stg	06.02.2003	Stg			

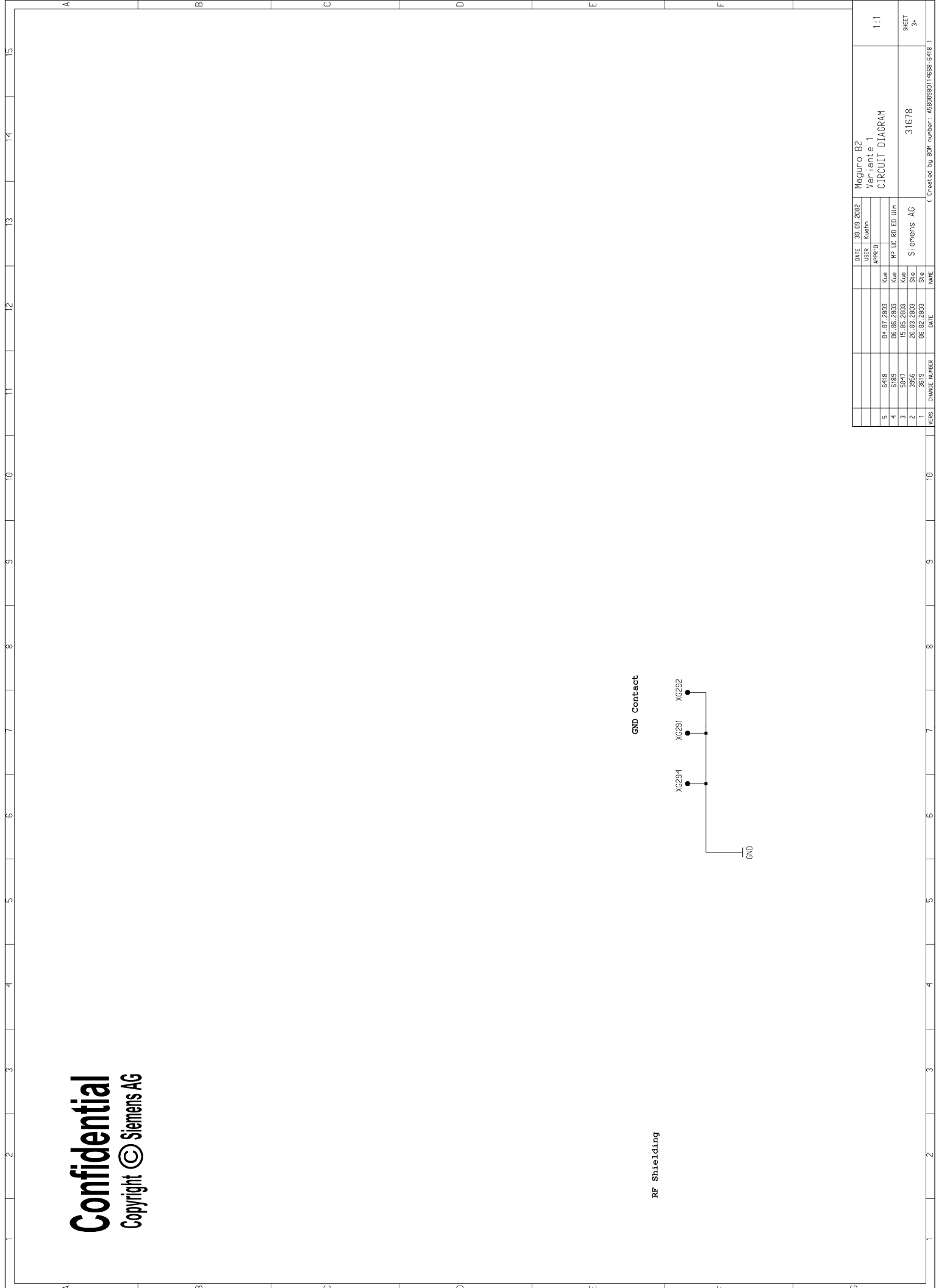


VERS.	CHANGE NUMBER	DATE	NAME
1		05.02.2003	Stg
2		20.03.2003	Stg
3		15.05.2003	Kup
4		06.06.2003	Kup
5	6418	04.07.2003	Kup

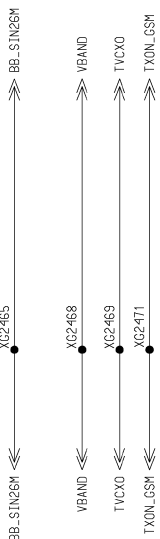
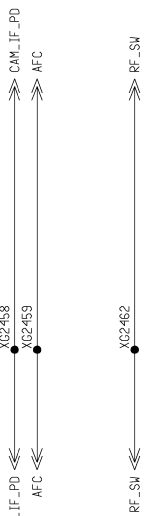
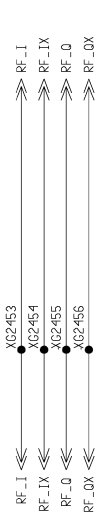
DATE	30.09.2002
USER	Kuehn
APPR'D	
HP	UC RD ED UIm
Stg	Siemens AG

Maguro B2	1:1
Variante 1	
CIRCUIT DIAGRAM	
31678	

(Created by BDM number: A5B0B00116658.6718)



INTERFACE LOGIK/HF
2450-2499



TRANSMITTER ENABLE SIGNAL
 TRANSMITTER CLOCK SIGNAL
 TRANSMITTER DATA SIGNAL

Bidirectional analogue RX/TX modulated signal
 Baseband signals

Camera interrupt request
 Camera power down
 Reference frequency correction
 VCC_SYN enable for backup regulators

Power up Power amplifier
 DCSTX enable ASIC for Hitachisolution
 analogue power amplifier ramping signal

26 MHz reference frequency
 Switching-signal for PA-Control IC
 Temperature sensor X-tal
 only Hitachi: enable for GSMTX of FEM

DETECTION internal/external Antenna

Camera reset

enable for backup regulator VCC2_8

Antenna_RF chamber interface

Camera chip select



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DATE	30.09.2002	USER	Kuhn	APP'D	Kup	HP	UC	RD	ED	Ulm
5	6418	04.07.2003	Kup							
4	6189	06.06.2003	Kup							
3	5947	15.05.2003	Kup							
2	3956	20.03.2003	Stg							
1	3619	06.02.2003	Stg							

VERS. CHANGE NUMBER DATE NAME

Maguro B2
 Variante 1
 CIRCUIT DIAGRAM
 1:1

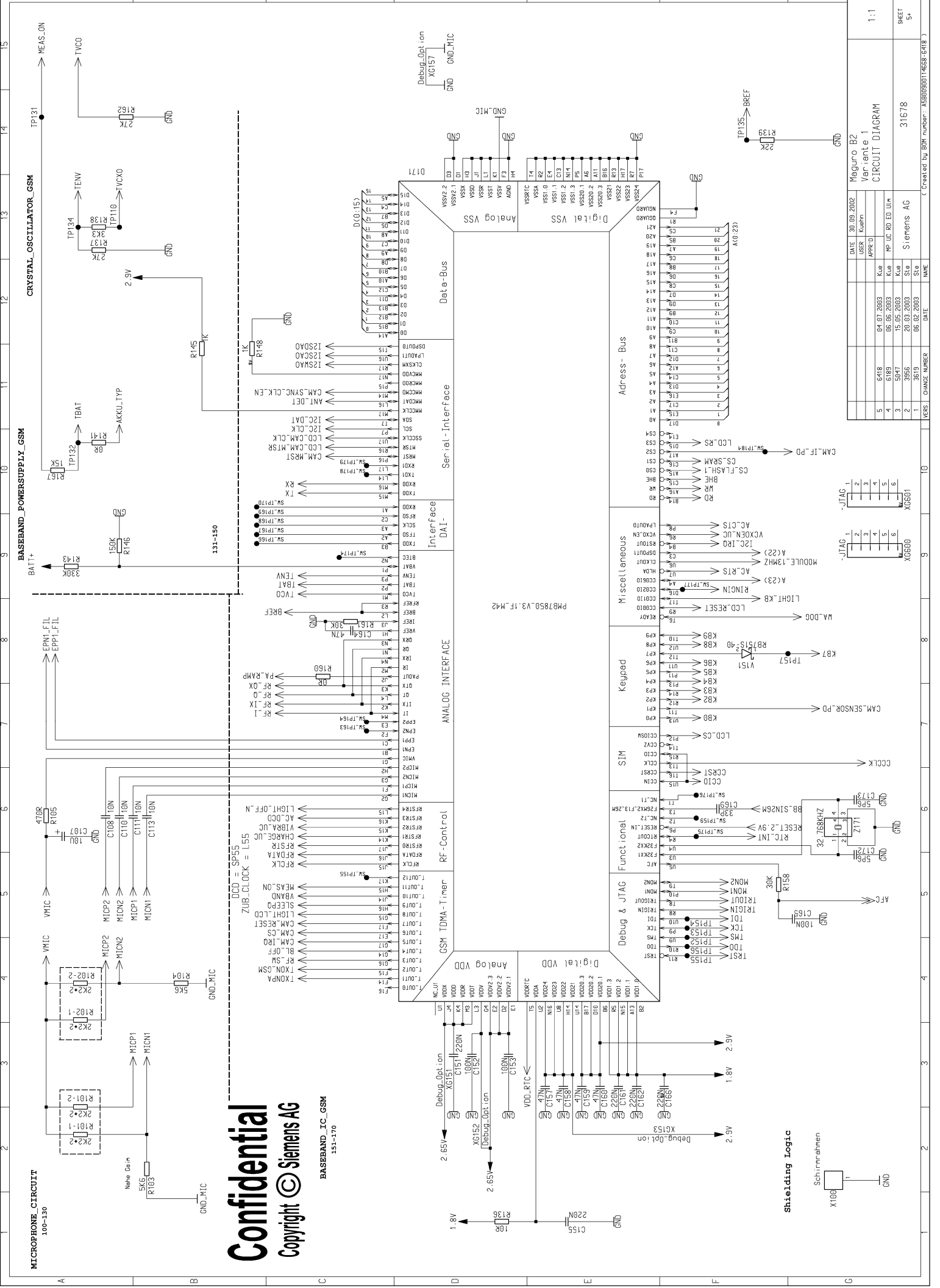
31678
 Siemens AG

(Created by BOM number: A5608900146659.6718)
 SHEET 4+

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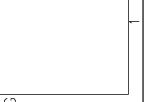
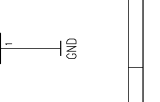
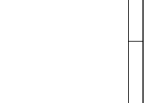
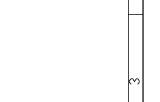
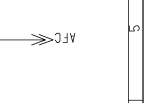
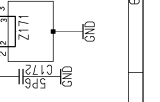
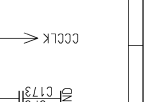
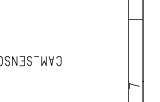
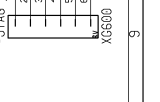
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BASEBAND_IC_GSM
151-170



DATE	30.09.2002	USER	Kuehn	APP'D	Kup	HP UC RD ED UTM	DATE	05.02.2003	NAME	DATE
5	6418	04.07.2003	Kup				1	05.02.2003	Siemens AG	05.02.2003
4	6189	05.05.2003	Kup				2	20.03.2003		20.03.2003
3	5947	15.05.2003	Kup				3	05.02.2003		05.02.2003
2	3956	20.03.2003	Stg				4	05.02.2003		05.02.2003
1	3619	05.02.2003	Stg				5	05.02.2003		05.02.2003

VERS.	CHANGE NUMBER	DATE	NAME
1	31678	05.02.2003	Siemens AG

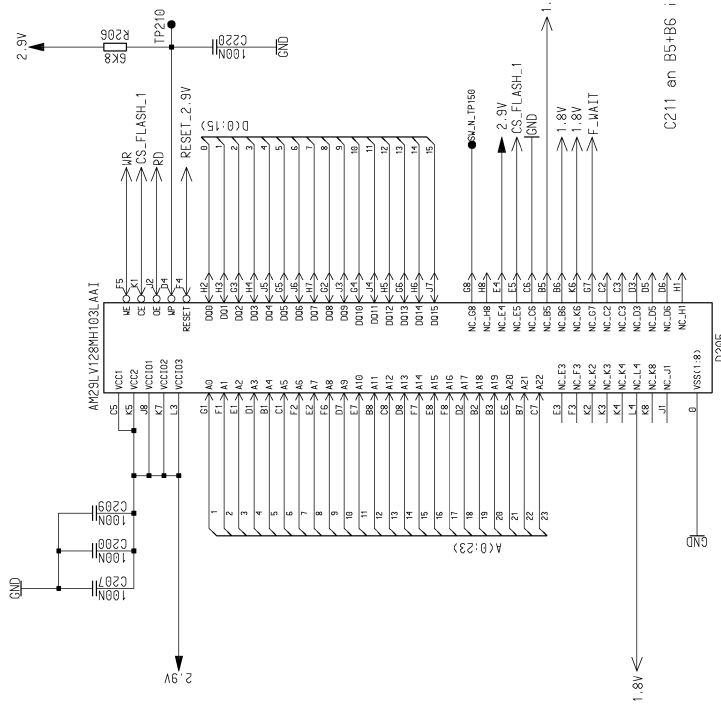


Maguro B2
Variante 1
CIRCUIT DIAGRAM
1:1

31678
SHEET 5+
(Created by BDM number: A580B90119659.618)

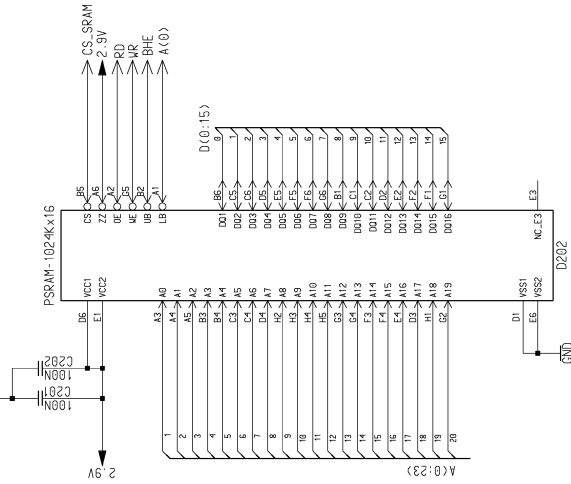
BASEBAND_FLASH_GSM
201 - 210

C200 an J8+K7+K5 in PCB
C209 an C5 in PCB
C207 an L3 in PCB



C210 an L4+K6 in PCB

BASEBAND_SRAM_GSM



SW-TESTPUNKTE

100 - 153

- SW_N_IP100
- SW_N_IP101
- SW_N_IP102
- SW_N_IP103
- SW_N_IP104
- SW_N_IP105
- SW_N_IP106
- SW_N_IP107
- SW_N_IP108
- SW_N_IP109
- SW_N_IP110
- SW_N_IP111
- SW_N_IP112
- SW_N_IP113
- SW_N_IP114
- SW_N_IP115

- SW_N_IP116
- SW_N_IP117
- SW_N_IP118
- SW_N_IP119
- SW_N_IP120
- SW_N_IP121
- SW_N_IP122
- SW_N_IP123
- SW_N_IP124
- SW_N_IP125
- SW_N_IP126
- SW_N_IP127
- SW_N_IP128
- SW_N_IP129
- SW_N_IP130
- SW_N_IP131
- SW_N_IP132
- SW_N_IP133
- SW_N_IP134
- SW_N_IP135
- SW_N_IP136
- SW_N_IP137
- SW_N_IP138

- CS_FLASH_1
- CS_SRAM
- RD
- WR
- BHE
- F_WAIT

- I2C_CLK
- I2C_DA1
- I2C_IRD
- HONI
- TRICIN
- TRIOUT
- VCYOEN_UC
- CHARGE_UC

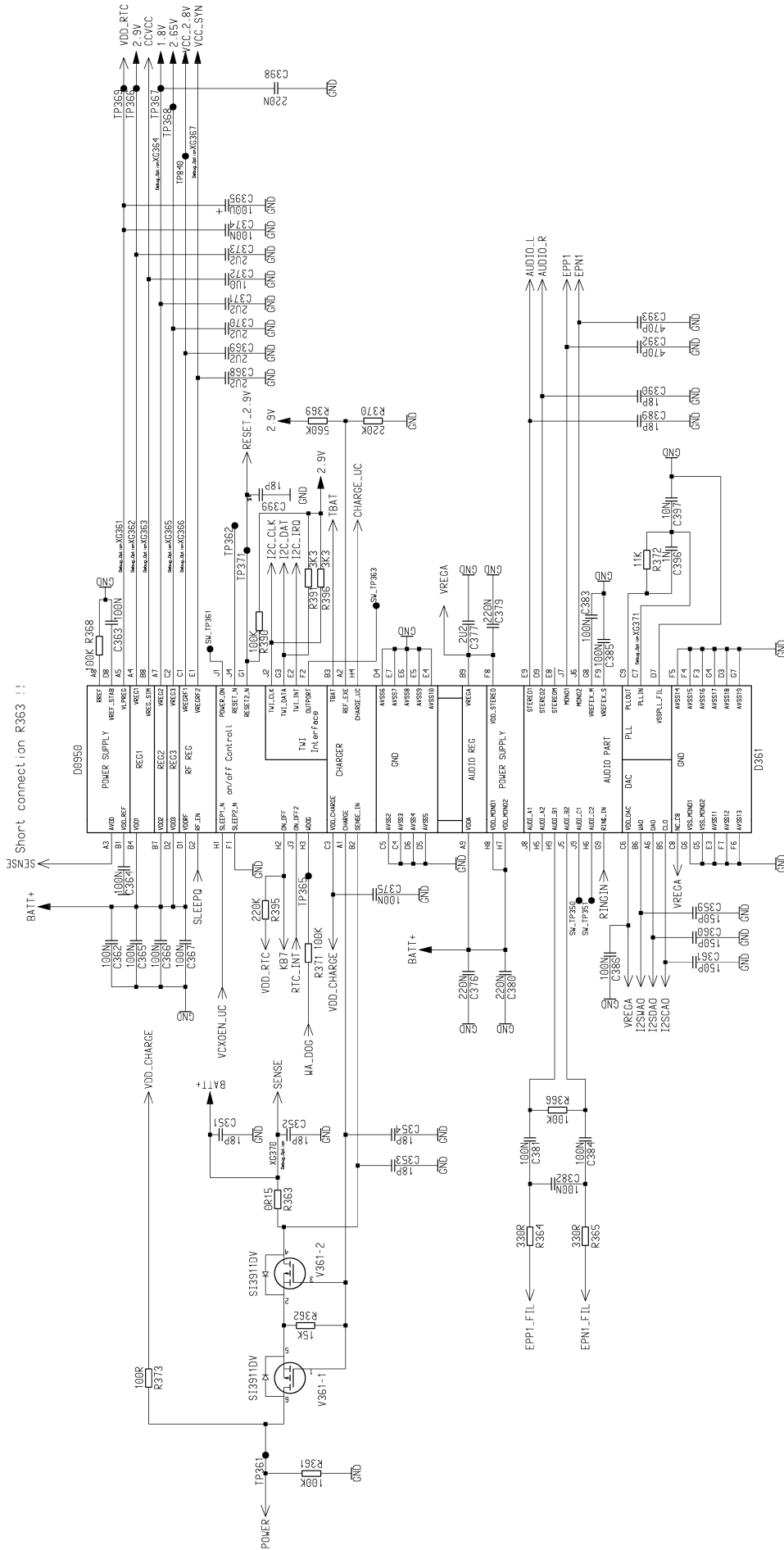
DATE	30.09.2002	USER	Kuehn	APP'D	Kup	MP	UC	RD	ED	Ulm	Siemens AG	31678
5	6418	04.07.2003	Kup									
4	6189	06.06.2003	Kup									
3	5947	15.05.2003	Kup									
2	3956	20.03.2003	Stg									
1	3619	06.02.2003	Stg									
VERS. CHANGE NUMBER		DATE	NAME									

Maguro B2
Variante 1
CIRCUIT DIAGRAM

1:1

SHEET 6+

(Created by BOM number: A560900119659.6718)

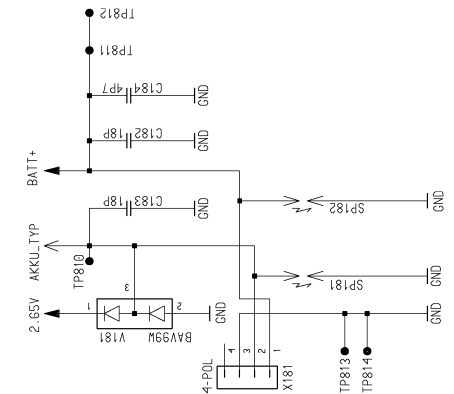


Short connection R363 !!

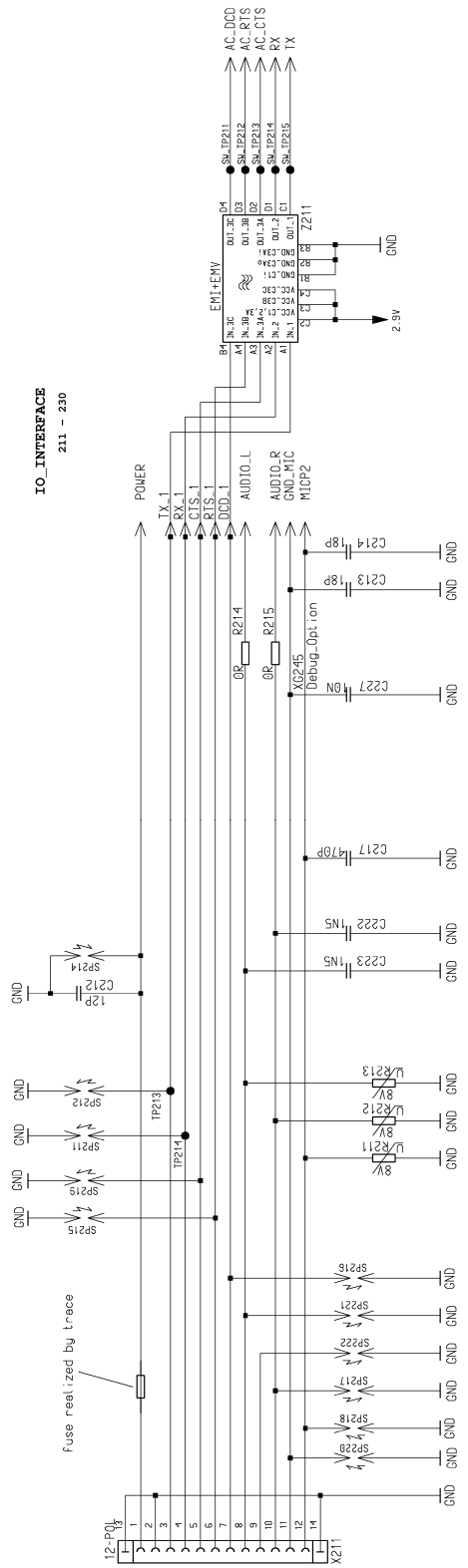
DATE	30.09.2002	USER	Kuehn	APP'D	Kup	HP UC RD ED UTM	DATE	NAME
5	6.4.18	6.4.07.2003	Kup					
4	6.18.9	06.06.2003	Kup					
3	5.9.7	15.05.2003	Kup					
2	3.9.5.5	20.03.2003	Stg					
1	3.6.1.9	06.02.2003	Stg					

DATE	30.09.2002	USER	Kuehn	APP'D	Kup	HP UC RD ED UTM	DATE	NAME
5	6.4.18	6.4.07.2003	Kup					
4	6.18.9	06.06.2003	Kup					
3	5.9.7	15.05.2003	Kup					
2	3.9.5.5	20.03.2003	Stg					
1	3.6.1.9	06.02.2003	Stg					

BASEBAND_POWERSUPPLY_GSM
181-185



IO_INTERFACE
211 - 230



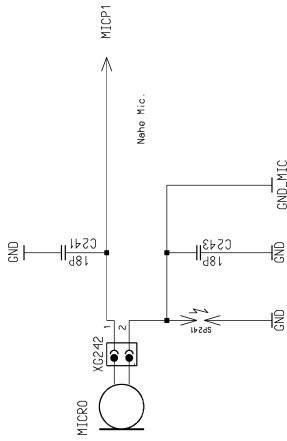
DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	20.03.2003	Stg
1	06.02.2003	Stg
VERS	CHANGE NUMBER	DATE
1		06.02.2003
2		06.02.2003
3		06.02.2003
4		06.02.2003
5		06.02.2003
6		06.02.2003
7		06.02.2003
8		06.02.2003
9		06.02.2003
10		06.02.2003
11		06.02.2003
12		06.02.2003
13		06.02.2003
14		06.02.2003
15		06.02.2003

DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	20.03.2003	Stg
1	06.02.2003	Stg
VERS	CHANGE NUMBER	DATE
1		06.02.2003
2		06.02.2003
3		06.02.2003
4		06.02.2003
5		06.02.2003
6		06.02.2003
7		06.02.2003
8		06.02.2003
9		06.02.2003
10		06.02.2003
11		06.02.2003
12		06.02.2003
13		06.02.2003
14		06.02.2003
15		06.02.2003

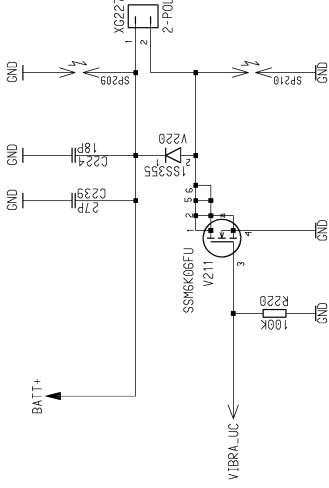
DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	20.03.2003	Stg
1	06.02.2003	Stg
VERS	CHANGE NUMBER	DATE
1		06.02.2003
2		06.02.2003
3		06.02.2003
4		06.02.2003
5		06.02.2003
6		06.02.2003
7		06.02.2003
8		06.02.2003
9		06.02.2003
10		06.02.2003
11		06.02.2003
12		06.02.2003
13		06.02.2003
14		06.02.2003
15		06.02.2003

DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	20.03.2003	Stg
1	06.02.2003	Stg
VERS	CHANGE NUMBER	DATE
1		06.02.2003
2		06.02.2003
3		06.02.2003
4		06.02.2003
5		06.02.2003
6		06.02.2003
7		06.02.2003
8		06.02.2003
9		06.02.2003
10		06.02.2003
11		06.02.2003
12		06.02.2003
13		06.02.2003
14		06.02.2003
15		06.02.2003

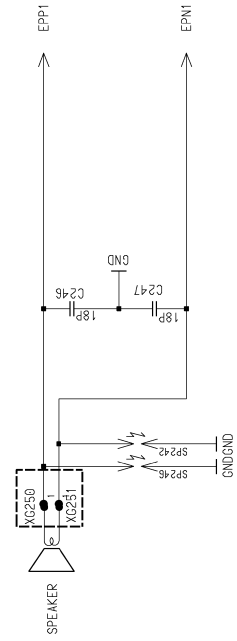
MICROPHONE_CIRCUIT
241-250



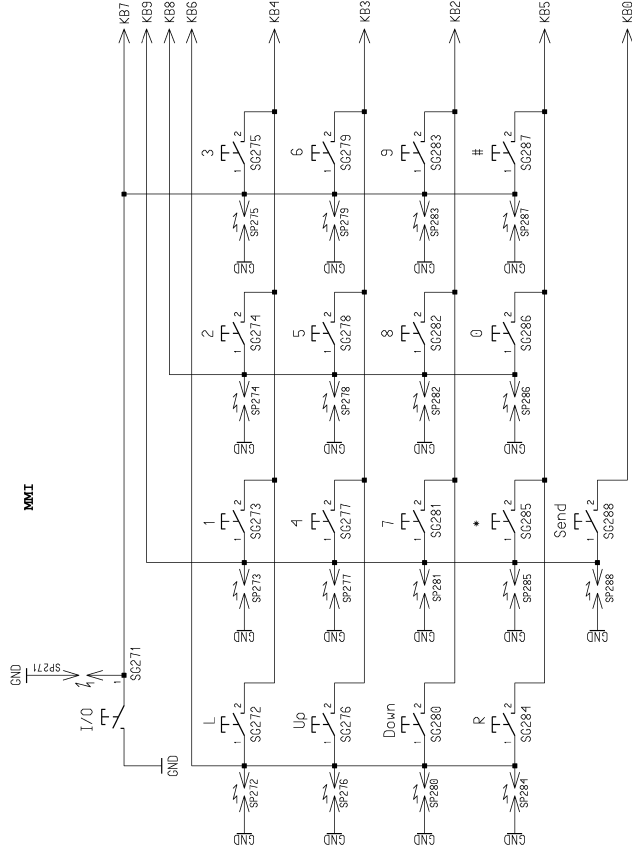
VIBRA_CIRCUIT



SPEAKER_CIRCUIT



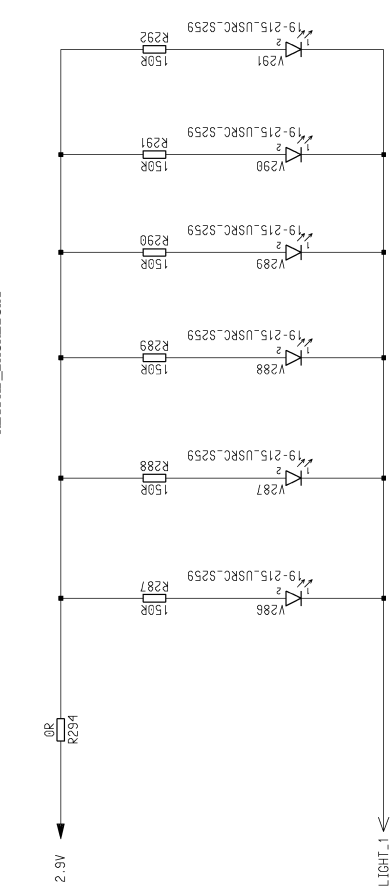
MMT



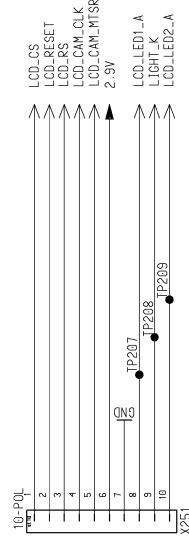
DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	06.02.2003	Sto
1	06.02.2003	Sto

Siemens AG
31678
SHEET 9+

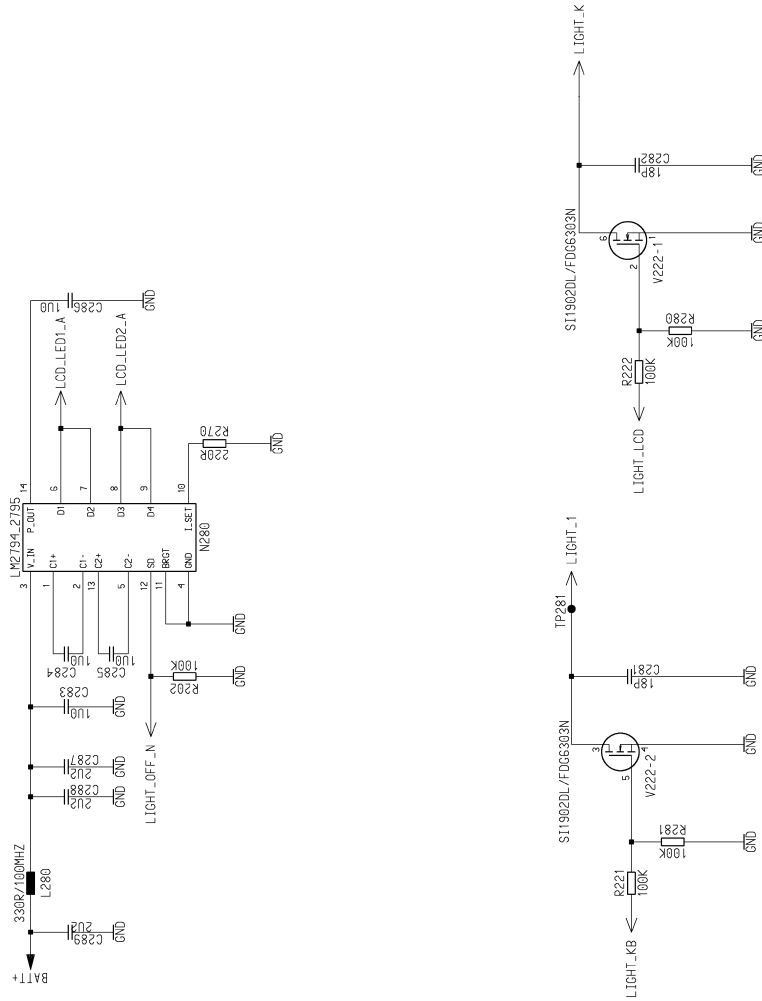
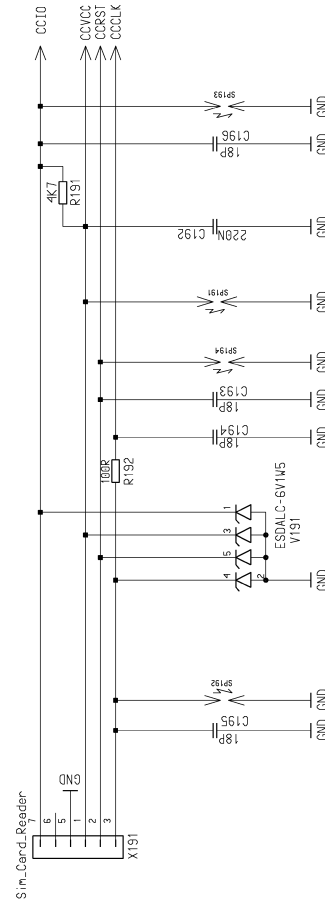
KEYPAD_BACKLIGHT



Logic/Display_Interface
251-270



SIM_INTERFACE

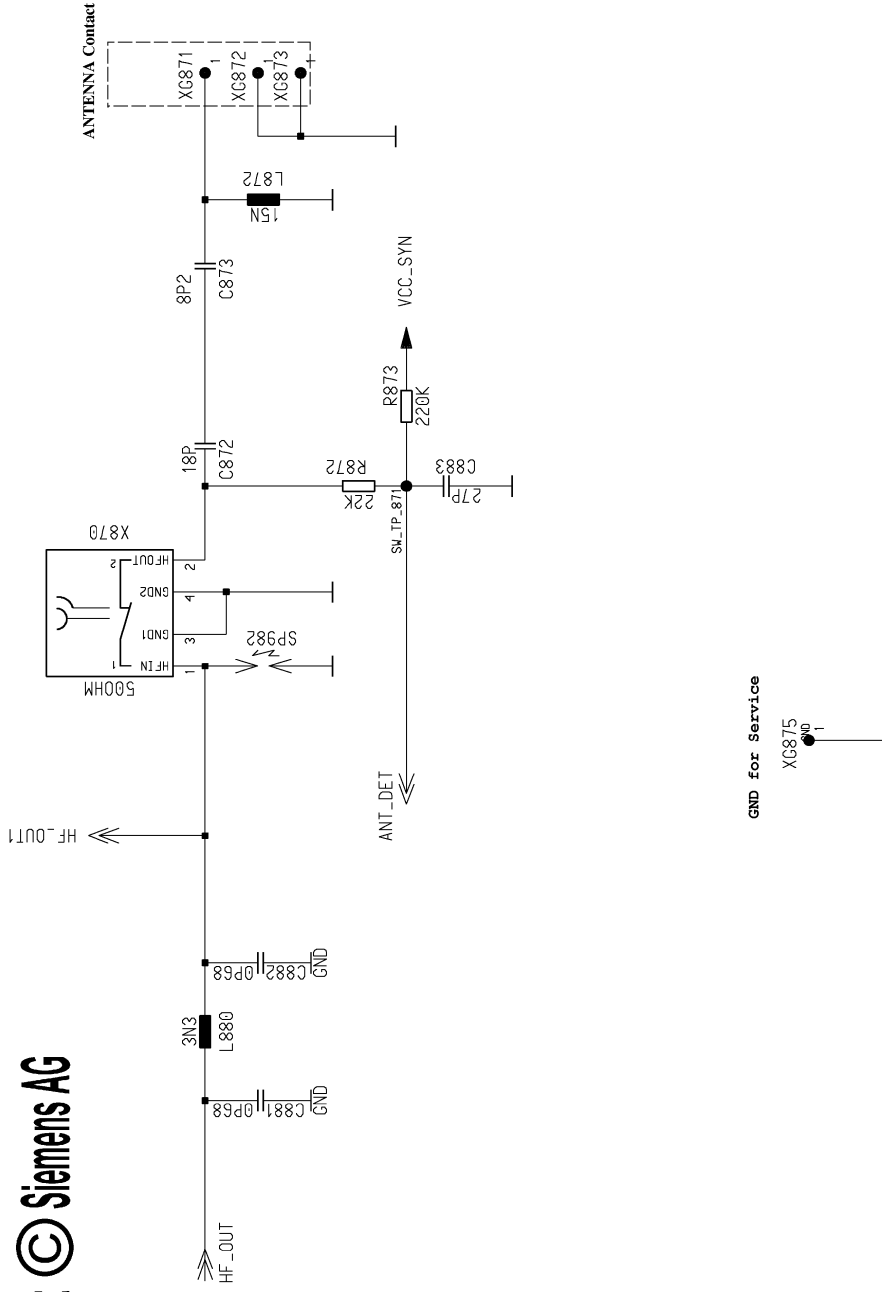


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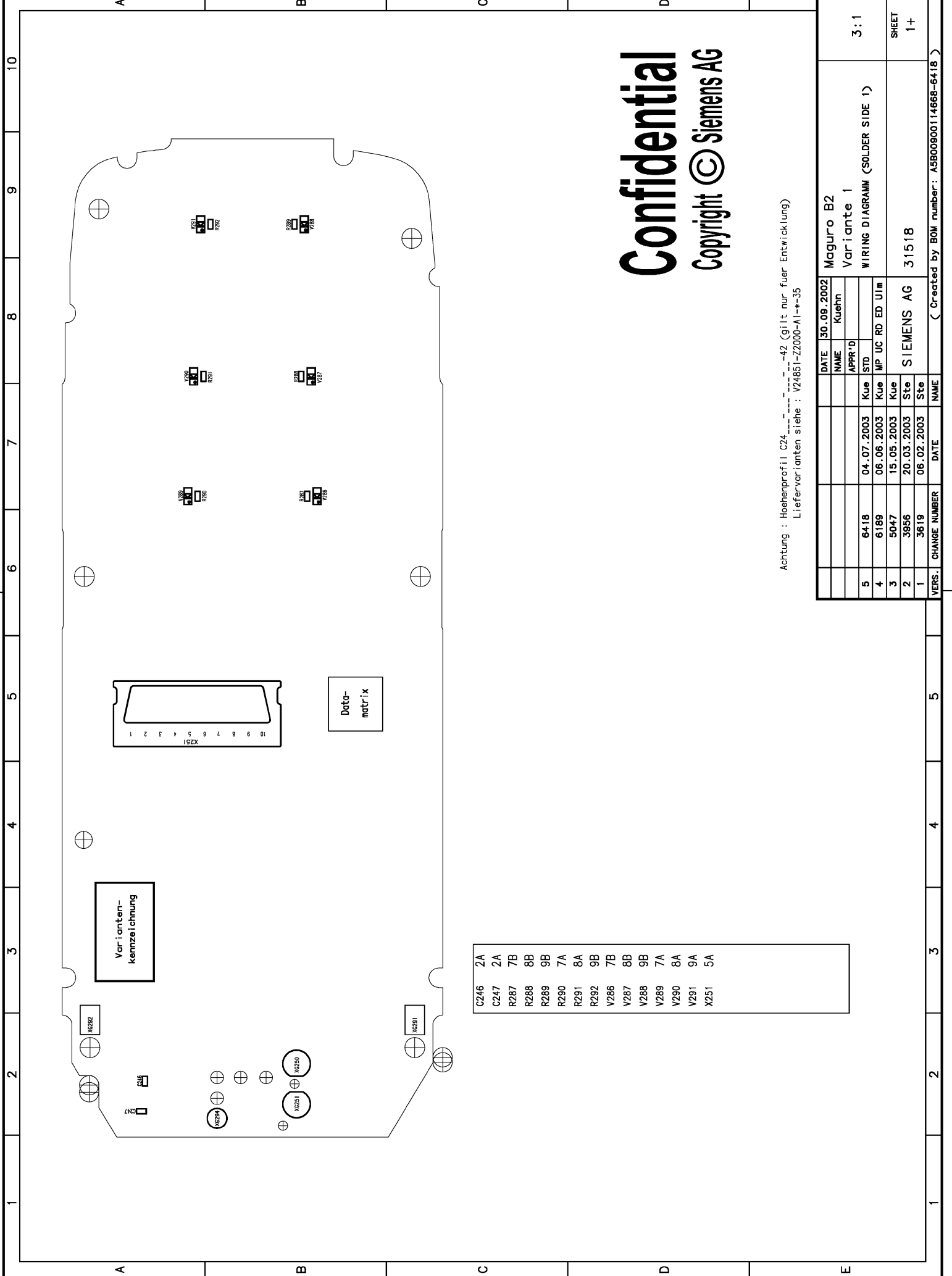
DATE	30.09.2002	Maguro B2
USER	Kuehn	Variante 1
APP'D		CIRCUIT DIAGRAM
5	04.07.2003	Kup
4	06.06.2003	Kup
3	15.05.2003	Kup
2	20.03.2003	Stg
1	06.02.2003	Stg
VERS. CHANGE NUMBER		DATE
Siemens AG		31678
		(Created by BDM number: A5E0B0011665F-6718)

ANTENNA_CIRCUIT

870 - 884



DATE	30.09.2002	Maguro B2									
USER	Kuehn	Variante 1									
APPR'D		CIRCUIT DIAGRAM									
5	6418	04.07.2003	Kue	MP	UC	RD	ED	UIn	Siemens AG	31678	1:1
4	6189	06.06.2003	Kue								
3	5047	15.05.2003	Kue								
2	3956	20.03.2003	Ste								
1	3619	06.02.2003	Ste								
VERS.	CHANGE NUMBER	DATE	NAME	(Created by BOM number : A5B00900114668-6418)							



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Achtung : Höhenprofil C24...42 (gilt nur fuer Entwicklung)
Liefervarianten siehe : V24851-Z2000-A1-4-35

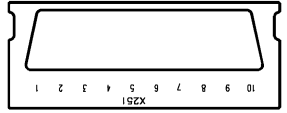
DATE	30.09.2002	NAME	Kuehn	APPR'D	DATE	NAME
5	6418	04.07.2003	Kue	STD	SIEMENS AG	31518
4	6199	06.06.2003	Kue	MP UC RD ED UIm	SIEMENS AG	31518
3	5047	15.05.2003	Kue		SIEMENS AG	31518
2	3956	20.03.2003	Ste		SIEMENS AG	31518
1	3619	06.02.2003	Ste		SIEMENS AG	31518

Maguro B2
Variante 1
WIRING DIAGRAM (SOLDER SIDE 1)

3 : 1
SHEET 1+

Created by BOM number: A5B00900114668-6418

- C246 2A
- C247 2A
- R287 7B
- R288 8B
- R289 9B
- R290 7A
- R291 8A
- R292 9B
- V286 7B
- V287 8B
- V288 9B
- V289 7A
- V290 8A
- V291 9A
- X251 5A



Data-matrix

Varianten-kennzeichnung

X292

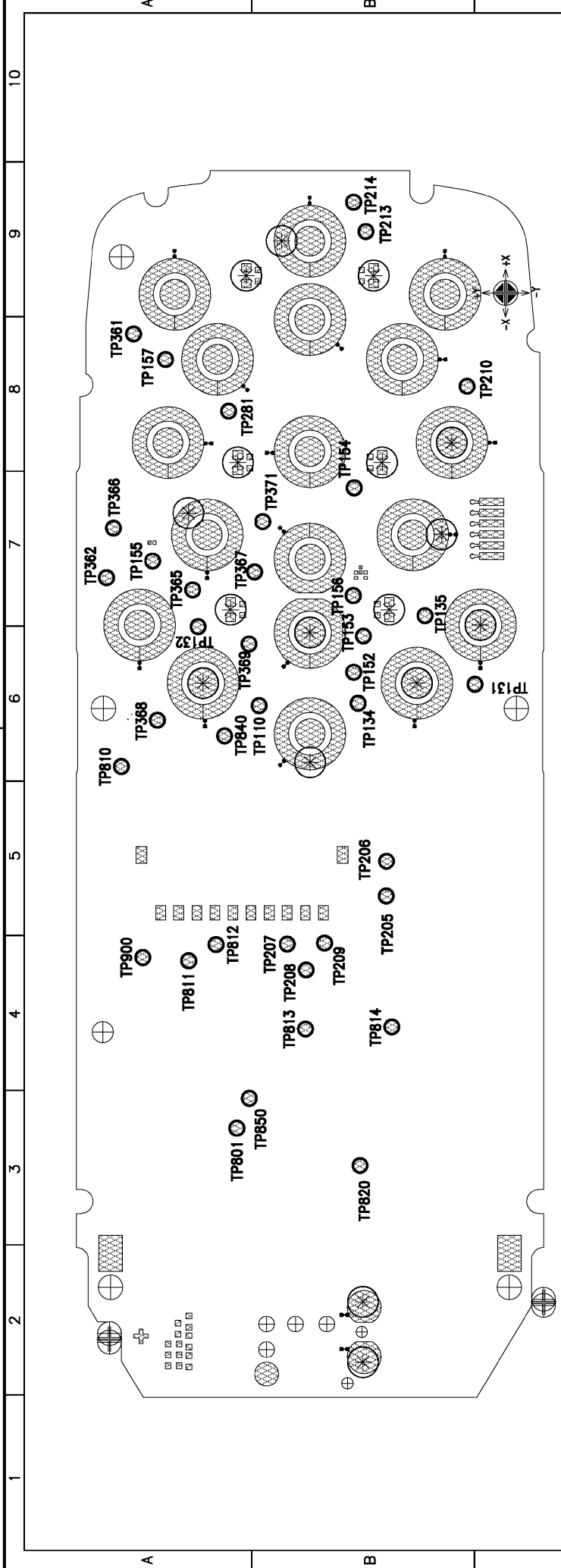
X291

C247

X294

X251

X250

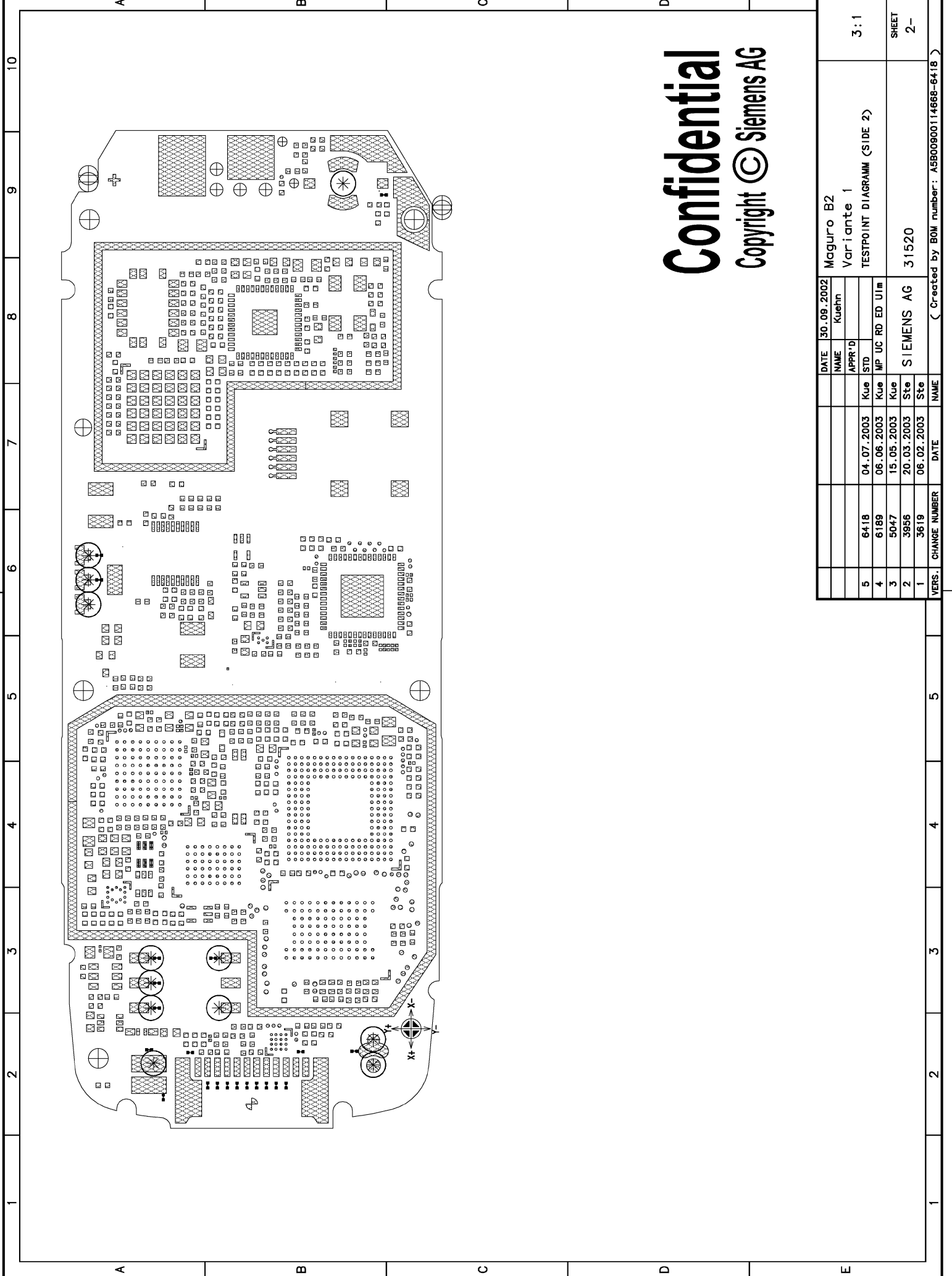


TP110	6B	TP366	7A
TP131	6C	TP367	7B
TP132	6A	TP368	6A
TP134	6B	TP369	6A
TP135	7B	TP371	7B
TP152	6B	TP801	3A
TP153	6B	TP810	6A
TP154	7B	TP811	4A
TP155	7A	TP812	4A
TP156	7B	TP813	4B
TP157	8A	TP814	4B
TP205	5B	TP820	3B
TP206	5B	TP840	6A
TP207	4B	TP850	3A
TP208	4B	TP900	4A
TP209	4B		
TP210	8B		
TP213	9B		
TP214	9B		
TP281	8A		
TP361	8A		
TP362	7A		
TP365	7A		

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DATE	30.09.2002	Maguro B2	3:1
NAME	Kuehn	Variante 1	
APPR'D		TESTPOINT DIAGRAM (SIDE 1)	
STD			
MP UC RD ED U/Im			
SIEMENS AG		31520	SHEET 1+
VERS. CHANGE NUMBER	DATE	NAME	
5	6418	04.07.2003	Kue
4	6189	06.06.2003	Kue
3	5047	15.05.2003	Kue
2	3956	20.03.2003	Ste
1	3619	06.02.2003	Ste

Created by BOM number: A5B00900114668-6418



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DATE		30.09.2002		Maguro B2		3:1	
NAME		Kuehn		Variante 1			
APPR'D				TESTPOINT DIAGRAM (SIDE 2)			
STD		Kue					
MP UC RD ED UIm		Kue					
SIEMENS AG		31520				SHEET	
Ste		2				2-	
Ste		1					
VERS. CHANGE NUMBER		DATE		NAME			
1		06.02.2003		Ste			
3		20.03.2003		Ste			
4		15.05.2003		Kue			
5		06.06.2003		Kue			
6		04.07.2003		Kue			
7							
8							
9							
10							

(Created by BOM number: A5800900114668-6418)