Service Manual

S6 GSM / PCN

V 1.3

Total number of pages: 31

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Technical Data

Length 159 mm

Width 55 mm

Thickness 16/22 mm

Volume 155 cm³

Weight 165 g

Performance: GSM class 4 (2 Watt)
PCN class 1 (1 Watt)

Powersupply: Lithium Ion battery (3,6V/1000mAh)

Standby time: up to 30 hours

Talk time: Up to 4 hours.

Carging Time: Full charge in 2.5 hours

Display LCD high-resolution graphic display, 97 x 33 pixels, 4 rows of 16 characters

SIM Card Type: Small (plug in) 3V or 5V

General Information

The S6 is the first model of a whole new handset generation in 3 Volt technology. It comes either as a GSM or a PCN version.

Mechanical Concept

Note: All part numbers refer to mechanical drawing in section 4.1!

The S6 consists of two boards, the RF & Control module (1010) and the user interface (1020).

The connection between those two boards is not made by a normal connector with plug-in contacts, but by a special interconnector (1090) embedded into a shielding frame (1060). This interconnector is upholding the connection through the pressure implied on it by the housing.
Be careful when assembling the interconnector. Avoid any kind of dust or dirt because it will affect the contacts of the interconnector.

The only removable part on the user interface is the ringer gasket (1080) which is needed to increase the ringer volume.
Furthermore there is a RF-plug on the user interface which has to be plugged into the appropriate connector on the RF & control module. This conection is very essential because it is the RF signal from / to the internal antenna.

The shielding is done by the lower case shell (1050) which is covered with a conductive material, so no additional shielding screen is necessary.
The antenna (1130) is directly screwed into the lower case shell.

The keypad (1030), the loudspeaker (1120), the microphone (1110) and the dust protection frame (1210) are mounted into the upper case shell (1040). Make sure that the microphone contacts are properly bent up when mounting.

When turning in the screws (1140, 1145 and 1150) make sure that the right torque is used (25 Ncm), because this will have an effect on the contacts of the interconnector.

Note: Make sure that you mount the right antenna, the GSM antenna has two stripes, the PCN antenna only has one!

S6 GSM / PCN mechanical drawings

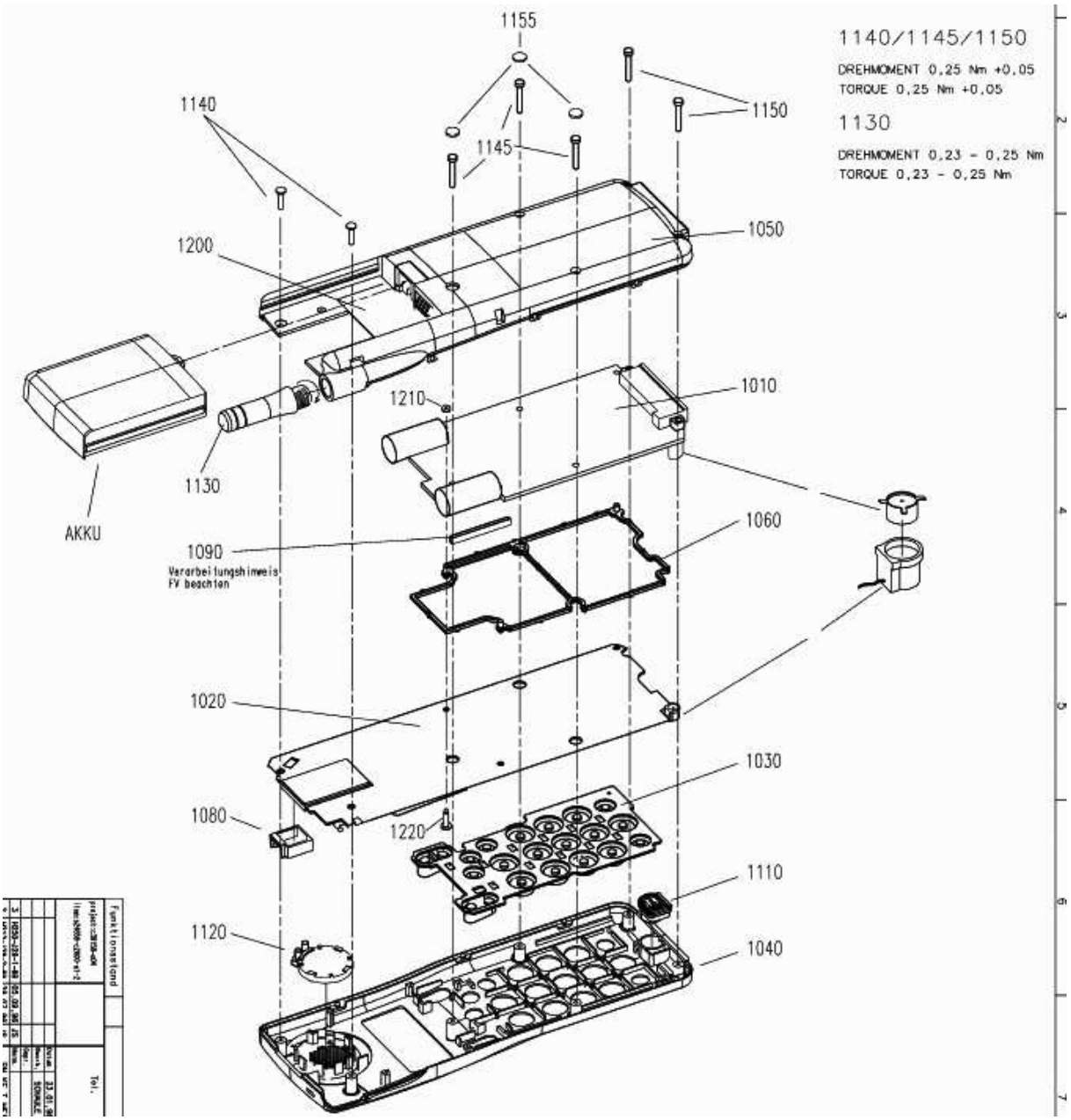


Figure 1: Mechanical Drawing S6

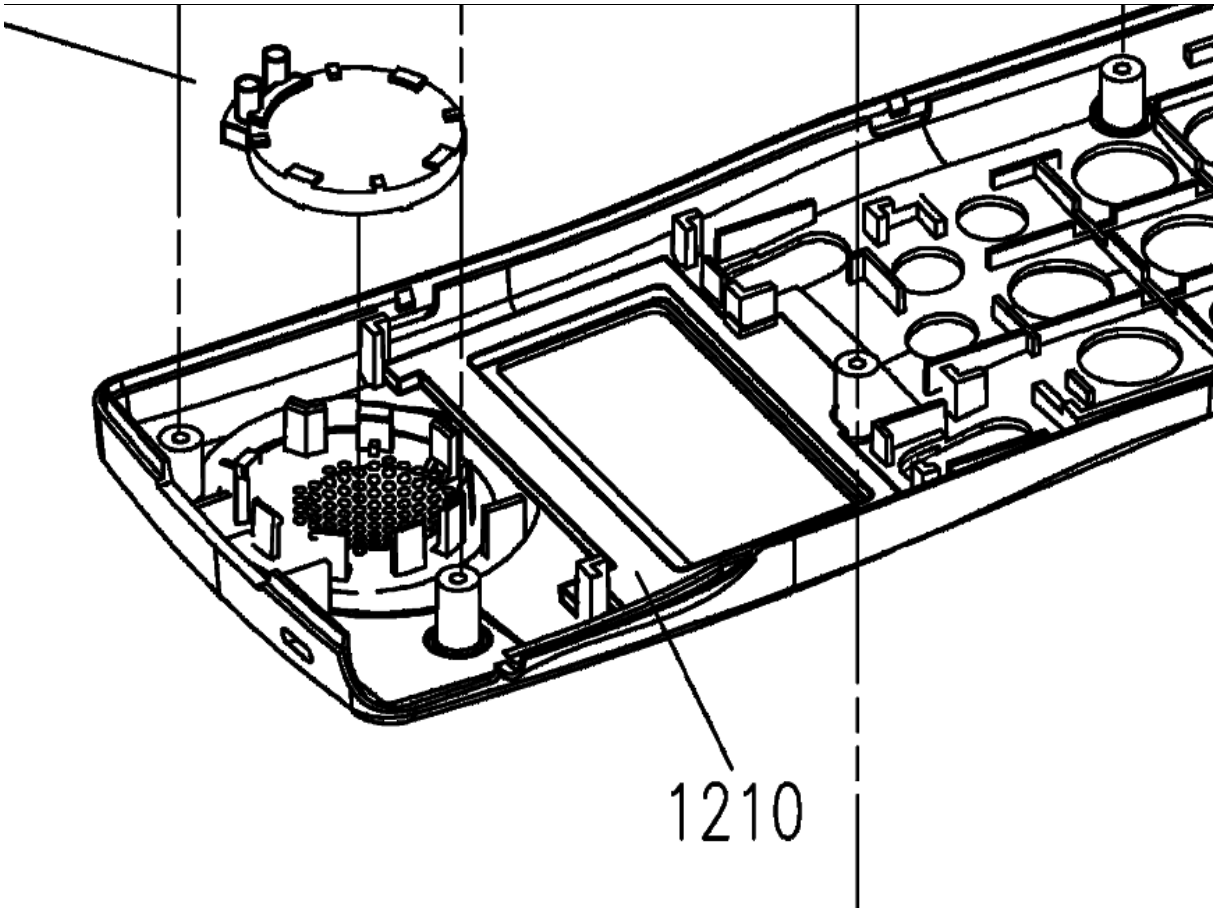
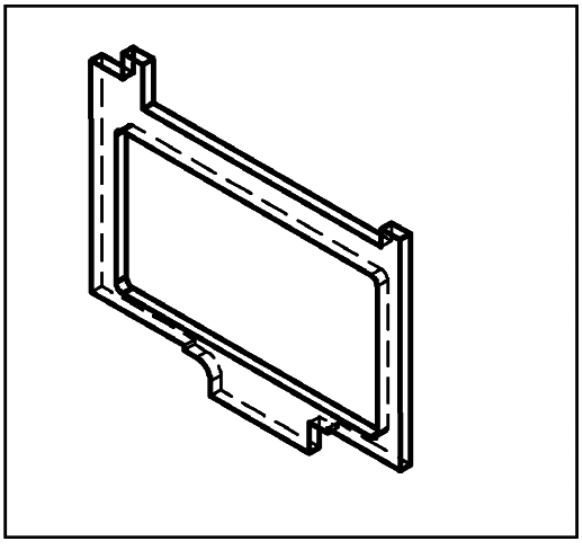


Figure 2: Display with Dust Protection Frame

Note: The numbers displayed in the above drawings are NO ORDERING Nos, use the numbers in chapter 11 for ordering!



Ordering number for dust protection frame:

L36859-A4-C141

Figure 3: Dust Protection Frame

Disassembling the S6

ESD regulations have to be followed!

1. Remove battery and SIM-Card.
2. Unscrew antenna (1130).
3. Unscrew 2 oval head screws (1150) (Torx 1,8x12).
4. Turn out 2 short flat head screws (1140) (Torx 1,8x8).
5. Remove plastic disks (1155) and turn out the 3 long flat head screws (1145) (Torx 1,8x12).
6. Lift off the lower case shell (1050).
7. Lift composite of MMI-board (1020) and RF-and controle module (1010) out of the upper case shell (1040).

   Only for level-2 repairs:

   a) Remove ringer gasket (1080) from the MMI board (1020).
   b) Remove RF plug from RF- and control module (1010).
   c) Take off the MMI board (1020).
   d) Take frame (1060) off the RF- and control module (1010).
   e) Remove interconnector (1090) from the frame (1060).
8. If necessary: Take battery connector out of lower case shell (1050).
9. Remove the dust protection frame (1210) from the upper case shell (1040).
10. Take keypad (1030) out of upper case shell (1040).
11. Remove earphone capsule (1120) and microphone (1110) from upper case shell.

Assembling the S6

ESD regulations have to be followed!

1. Put earphone capsule (1120) and microphone (1110) into upper case shell.

2. Insert keypad (1030) into upper case shell (1040).

3. Put dust protection frame (1210) on display window inside upper case shell.

4. If necessary: Insert battery connector into lower case shell (1050).

5. Insert composite of MMI-board (1020) and RF-and controle module (1010) into upper case shell (1040).

   BEFORE (only for level 2 repairs):

   a) Put interconnector (1090) to the frame (1060).
   b) Positioning of frame (1060) on the RF- and control module (1010).
   c) Place MMI board (1020) on top of frame (1060).
   d) Connect RF plug of MMI board (1020) to RF- and control module (1010).
   e) Mount ringer gasket (1080) on the MMI board (1020).

6. Close device with upper case shell (1040). Make sure that the 6 hooks of the upper case shell fit firmly into the respective slots of the lower case shell (1050).

7. Screw 3 long flat head screws (1145) (Torx 1,8x12 /Torqe 25 Ncm) into lower case shell (1050). Close holes with plastic disks (1155) afterwards.

8. Screw 2 short flat head screws (1140) (Torx 1,8x8 /Torqe 25 Ncm) into lower case shell.

9. Screw 2 oval head screws (1150) (Torx 1,8x12 /Torqe 25 Ncm) into lower case shell.

10. Screw in Antenna (1130) (Torqe 25 Ncm).

11. Insert SIM-Card and battery.

Board Versions

In the S6 mechanical drawing you see a bolt (position 1220) which is holding the RF&control module and the user interface together. This bolt was mounted only in the first 100k S6 handsets produced.
The handsets produced later are using different board versions with different part numbers (see table below!)

If a bolted handset comes back for service and one of the boards is defective, do not try to separate them. Just send the whole sandwich back to Germany.

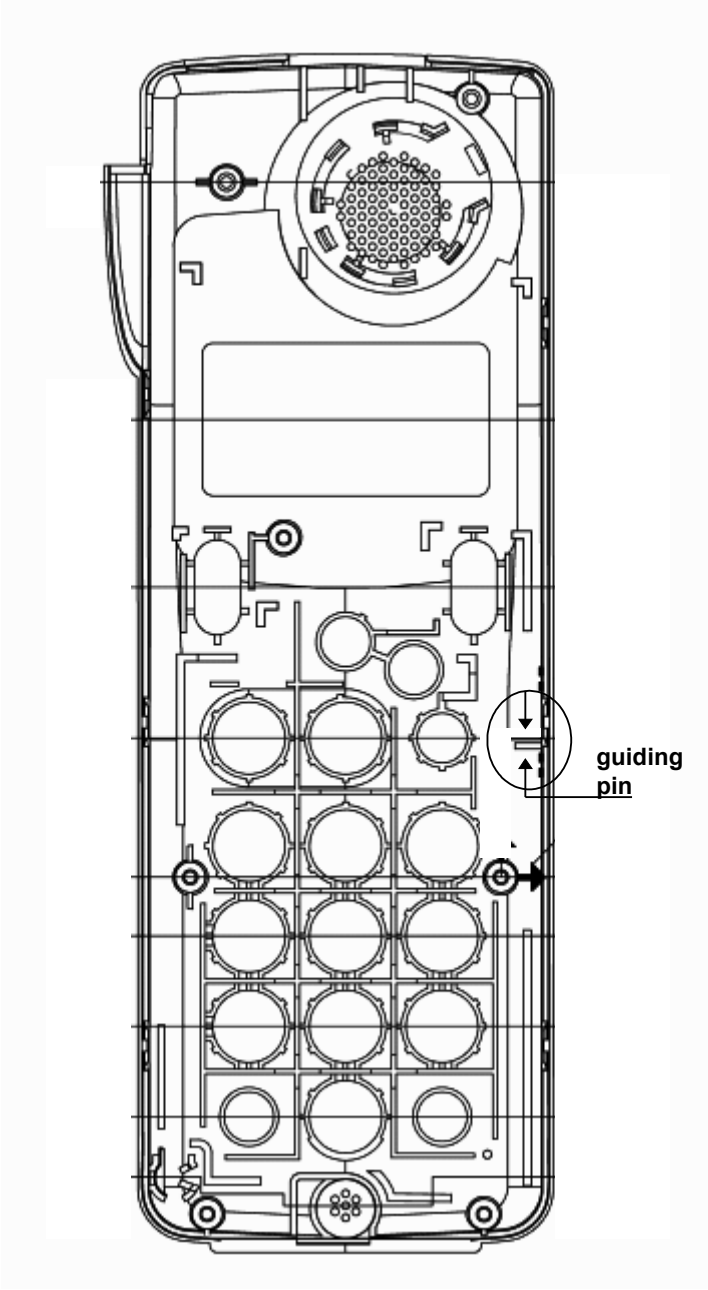
S6 GSM/PCN Board Versions

GSM:		**PCN:**	
Old version (with bolt):		**Old version (with bolt):**	
Main Board:	**S24859-A2600-*A1*-x**	**Main Board:**	**S24859-A3600-*A1*-x**
MMI-Board:	**V24851-Z1508-*A9*-x**	**MMI-Board:**	**V24851-Z1508-*A10*-x**
New version:		**New version:**	
Main Board:	**S24859-A2600-*A5*-x**	**Main Board:**	**S24859-A3600-*A5*-x**
MMI-Board:	**V24851-Z1508-*A17*-x**	**MMI-Board:**	**V24851-Z1508-*A18*-x**

Furthermore, the new versions are using a different shielding frame and a different interconnector !

Attention!
These numbers are not the spare part ordering numbers, they are manufacturing numbers printed on the boards itself.
Do not use them for ordering spare parts!

Upper Case Protection



If the bolted boards are used, it has to be made sure that one guiding pin in the upper case shell is removed (see drawing!).

If the pin is not removed, the case may break!

Attention!
Do not remove the pin if the unbolted boards are used!

The removal of the pin is simply done by cutting it off with a sharp knife or cutter.

Handset Datecodes

Siemens is using the industrial standard DIN EN 60062 to indicate the production / service dates. The code is printed on the IMEI sticker located under the simcard reader.

-> YY = Datecode

The first character of the datecode indicates the year of production:

F = 1995
H = 1996
J = 1997

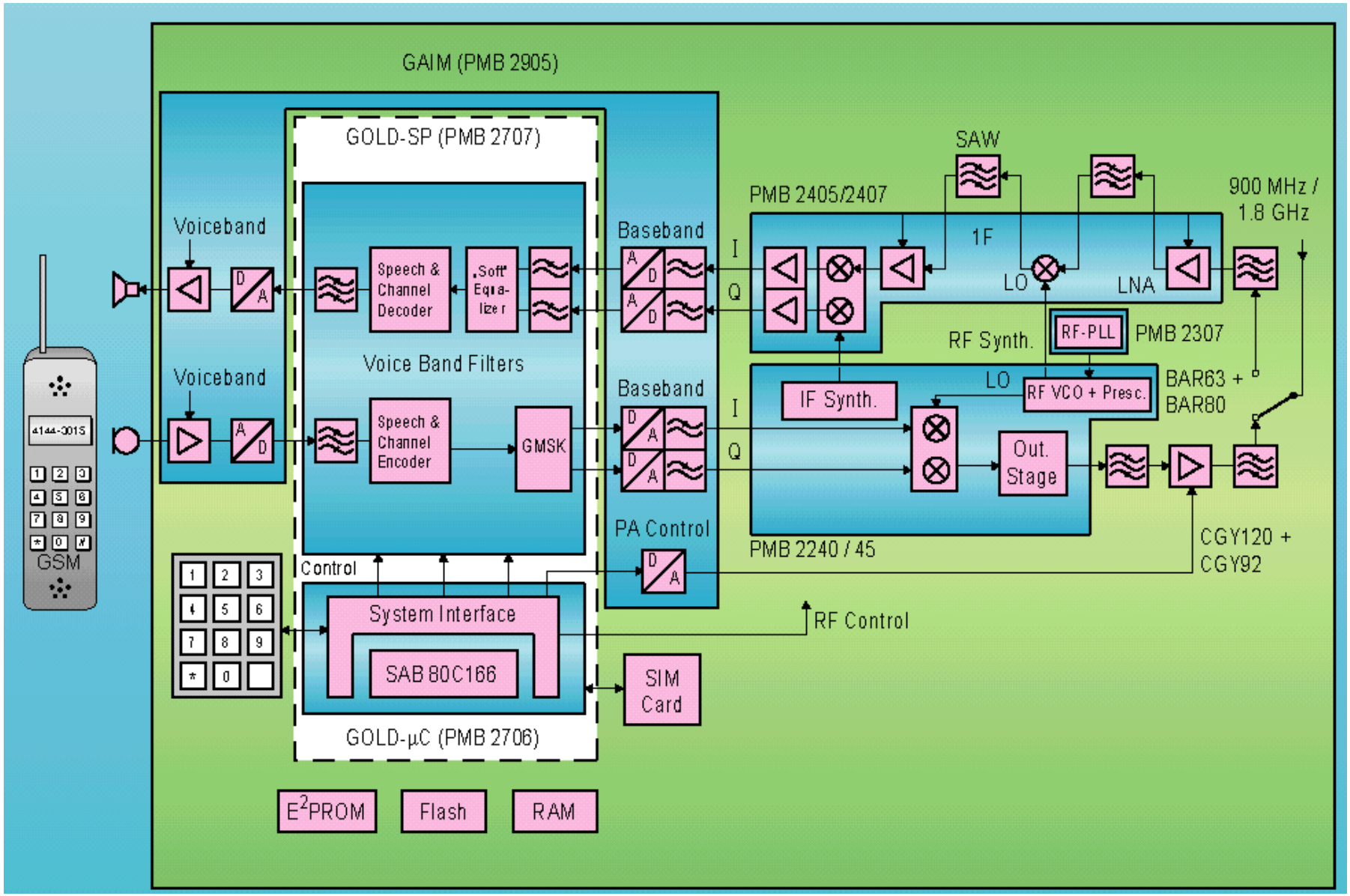
The second character indicates the month of production:

1-9 = january to september
O = october
N = november
D= december

Example: HD means that the set was produced in december of 1996.

Hardware Concept

Block Diagram


GAIM (PMB 2905)
GOLD-SP (PMB 2707)
Voiceband
Voiceband
Speech & Channel Decoder
„Soft" Equa-lizer
Voice Band Filters
Speech & Channel Encoder
GMSK
Baseband
Baseband
I
Q
I
Q
PA Control
Control
System Interface
SAB 80C166
GOLD-µC (PMB 2706)
E²PROM
Flash
RAM
SIM Card
RF Control
SAW
PMB 2405/2407
1F
LO
LNA
900 MHz / 1.8 GHz
RF Synth.
RF-PLL
PMB 2307
IF Synth.
LO
RF VCO + Presc.
BAR63 + BAR80
Out. Stage
PMB 2240 / 45
CGY120 + CGY92
GSM

Hardware Description

The handset consists of five major integrated circuits:

1) GOLD-µC (PMB 2706)

This microprocessor is responsible for controlling the keyboard, SIM-Card, EEPROM, Flash and RAM.
Furthermore it interfaces the GOLD-SP (PMB 2707), controls the power up/power down of the RF module and sets the amplification of the PA.

2) GOLD-SP (PMB 2707)

This signal processor is responsible for processing the Rx I/Q signals (filtering, equalizing, speech and channel decoding).
Furthermore it does the speech and channel encoding and the GSMK modulation of the Tx I/Q signals.

3) GAIM (PMB 2905)

The GAIM provides the interface between the analogue signals (I/Q, voiceband, PA-control) and its digital representation.

4) Receiver Circuit (PMB 2405/07)

This circuit provides the following main functionalities:

a) Low Noise Amplifier (LNA) with a fixed amplification of +20dB to amplify the input RF signal.

b) Mixer to mix down the RF signal to the Intermediate Frequency (IF)

c) Programmable IF amplifier with a dynamic range of 60dB (-10dB ... +50dB in steps of 2dB)

d) Mixer to mix down the IF signal to the baseband, generating and inphase (I) and a quadrature (Q) signal.

e) Offset compensation for the I/Q signals.

5) Transmitter Circuit PMB 2240/45

This circuit provides the IF synthesizer, the I/Q modulator, prescalers to regulate the RF synthesizer and a buffer stage to feed the PA.
TH The antenna switch is mechanical, whenever you plug in the bottom connector, the handset will switch to its external antenna.

Power Supply Concept

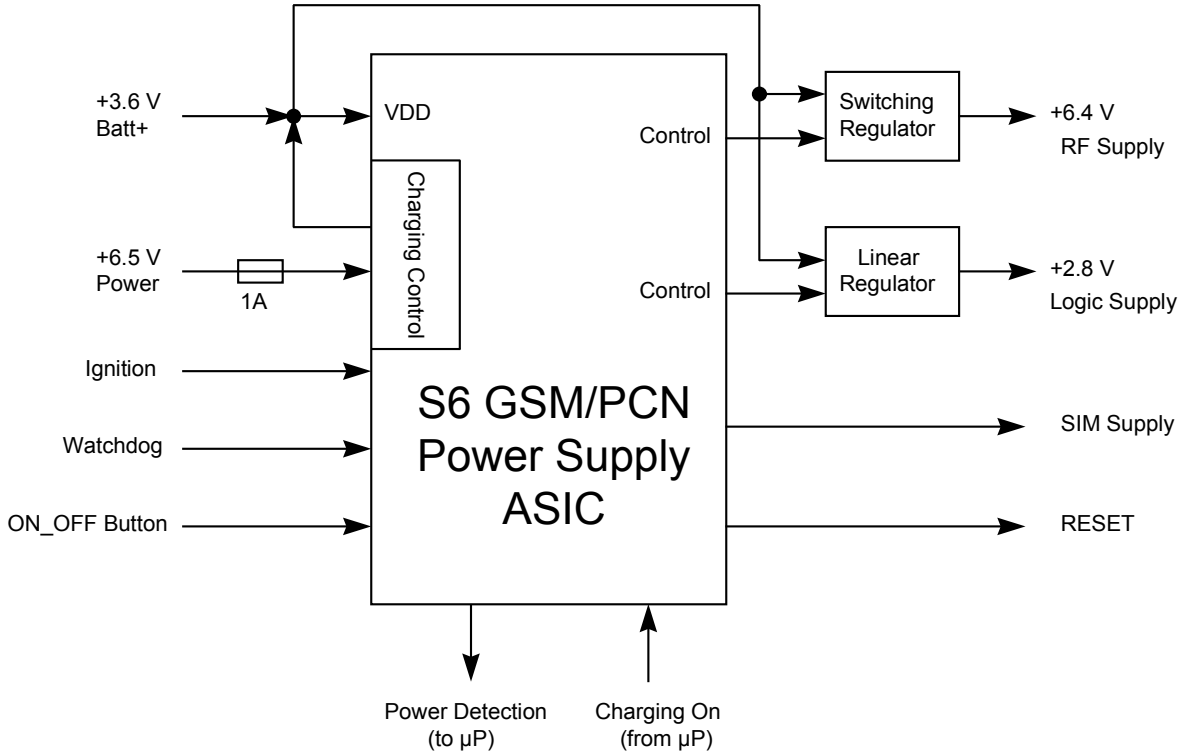
The S6 has two main power inputs (see Blockdiagram):

1) Battery Voltage (3.6 Volts) connected at the battery contacts

2) Charging Voltage (6.5 Volts) delivered by
   a) The plug-in charger at the charging plug
   b) The desktop charger (using the charging contacts at the bottom of the phone)

Since the battery voltage is supplying the power supply asic, it is always needed to operate the phone. You cannot switch on the handset if the battery voltage is not present.

Blockdiagram S6 Power Supply



From the 3.6 V battery voltage, all other supply voltages of the S6 are derived, controlled by the power supply ASIC.
The RF module needs 6.4 V for its PA, this voltage is generated by a step-up converter.
The logic module uses 2.8 V, generated by a simple linear regulator.

Furthermore the ASIC generates the supply voltage for the SIM-Card and the RESET signal for the logic devices.

The ASIC also checks the presence of the watchdog signal from the µP and provides the switching on functionality (ON_OFF button or Ignition signal).

During testing ist is advisable to use a battery dummy, connected to a power supply delivering +4V, max 3A.
Make sure that you connect the battery dummy with the right polarity, the red plug to +4V and the blue plug to ground.

If you use a voltage higher than +7V, or with wrong polarity, the phone can be destroyed!

Overvoltage Conditions

a) Battery Voltage: If the battery voltages rises above 6.2 Volts, the phone will switch off and it cannot be switched on again before the voltage is lower than 6.2 Volts.

If the battery voltage rises above 7 Volts the phone can be destroyed.

b) Charging Current: The charging current must not rise above 1 A or the phone (fuse) will be inoperable.

-> Be careful with foreign accessories or chargers!
-> Make sure that the charging current is limited to a value below 1A!

S6 GSM / PCN Software Options

The following list will help you to understand what the different software options are for and how they are used.

Keep in mind that many of these features are network dependent, a malfunction cannot automatically be blamed on the handset.

OPTIONS

1 RINGER

2 **Ringer** **On / Off**
The ringer can be switched on or off

3 **Volume** **Adjust**
The ringer volume can be adjusted

4 **Tone** **Adjust**
The ringer tone can be adjusted

5 DIVERT

6 **If not Reachable** **Clear / Set / Check**
Divert when the phone is switched off

7 **If no Reply** **Clear / Set / Check**
Divert if nobody answers the call

8 **All Calls** **Clear / Set / Check**
Divert all incoming calls

9 **If Busy** **Clear / Set / Check**
Divert if the line is busy

10 CONTROL USE

11 **Key Lock**
Lock your keys from unwanted pressing. Unlock by holding down the „#“ button.

12 **Pin Control** **Alter / On / Off**
Some networks allow you to swith off your PIN control

13 **Allow only *&** **Set / Clear** ***PIN2***

*This will limit all outgoing calls to the numbers stored in the FDN - Phonebook (**FDN** = **F**ixed **D**ialling **N**umbers), which is only available in a phase 2 SIM-Card.*

If you are using a phase 1 SIM-Card you will see the following:

Allow only & **Set / Clear** ***PHONECODE***

This will limit all outgoing calls to the numbers stored in the normal Phonebook.

14 **Allow last 1-5** **Set / Clear** **PHONECODE**
This will limit all outgoing calls to the numbers stored in the redail list (maximum five numbers!)

15 **Call Screening** **Set / Clear** ***PHONECODE***
This feature will filter the incoming calls. If a call comes in which number is stored in the phonebook, the phone will ring. Otherwise the phone will only give an indication on the display.

16 SIM Lock

17 **Prevent new SIM** **Set / Clear** ***PHONECODE***
If you set this feature, the phonecode will be activated. Whenever another SIM-Card is inserted, the phone will ask for the phonecode.

18 **Network Lock** **Set / Clear** ***NETWORKCODE***
If you have a network lock activated, the phone will only accept SIM-Cards of this network operator.

19 **Service-P. Lock** **Set / Clear** ***SERV.-P. CODE***
If you have a service provider lock activated, the phone will only accept SIM-Cards of this service providers.

20 **Loan Phone** **Set / Clear** ***PHONECODE***
If you set this feature, the „Prevent new SIM“ feature will be activated, and you cannot change the charging information anymore.

21 Network Barring

22 **All Calls Out** **Set / Clear** ***PASSWORD***
No outgoing calls possible

23 **Out Internat.** **Set / Clear** ***PASSWORD***
Just national calls allowed

24 **Out Int.excHome** **Set / Clear** ***PASSWORD***
No international calls except to the home PLMN

25 **All Calls In** **Set / Clear** ***PASSWORD***
No incoming calls possible

26 **When Roaming** **Set / Clear** ***PASSWORD***
No incoming or outgoing calls when roaming

27 MESSAGES

28 **Voice Message** **Alter / Hear**
You can save the telephone number of your voice mailbox to hear your messages

29 **.....Text (x old)**
Read your received SMS messages

30 **Send Text**
Send a SMS message

31 **......Known Calls**
Telephone numbers of calls not accepted.
Only available if CLIP is active!

32 GSM (PCN) SERVICE

33 **Network Info**
This feature will show you all available and accessible GSM (PCN) networks

34 **Reselect Netw.**
Restart the network searching process

35 **Auto Network** **On / Off**
If you switch on auto network the mobile will first try to find the home network, then the networks in the network list and finally the strongest available

36 **Network List**
Free programmable priority list for networks

37 **Call Waiting** **Check / On / Off**
The second call coming in will be indicated (knocking)

38 **Conceal ID** **Check / On / Off**
Your number will not be presented to the

called party (CLIR)

39 **Power Save Mode** **On / Off**
Periodic location update will be delayed to save energy

40 TIME CHARGE

41 **Last Call**
Length and cost of last call

42 **Total Calls** **Clear** ***(PHONECODE)***
Lenght and cost of all calls

43 **Auto Display** **On / Off**
Automatic lenght and cost display

44 **1 Minute Beep** **On / Off**
1 minute indication during call

45 **Charge Rate**
Setting of charge rate

46 **Charge Limit** **On / Off** ***(PHONECODE / PIN 2)***
Setting and activating of charge limit
If you have a phase 1 SIM-Card you will have to enter the phonecode, with a phase 2 SIM-Card the PIN 2 is needed.

47 LANGUAGE

48 **Automatic**
Language which preferred in the SIM-Card is used, if the language is in the mobile software.

49 English
50 Deutsch
51 Francais

52 CAR USE

53 **Auto Answer** **On / Off**
If a call comes in it will be automatically answered

54 **Auto Power Off**
You can set the time of auto power off after ignition has been switched of.

55 SET UP

56 **DTMF Key Tone** — **On / Off**
DTMF for remote control of answering machines etc.

57 Key Sound — **Click / Tone / Silent**

58 **Any Key Answer** — **On / Off**
Any key will hook off

59 **Illumination** — **On / Off**
Switch off illumination permanently to save energy

60 **Own Greeting** — **On / Off**
Program your own greetings text

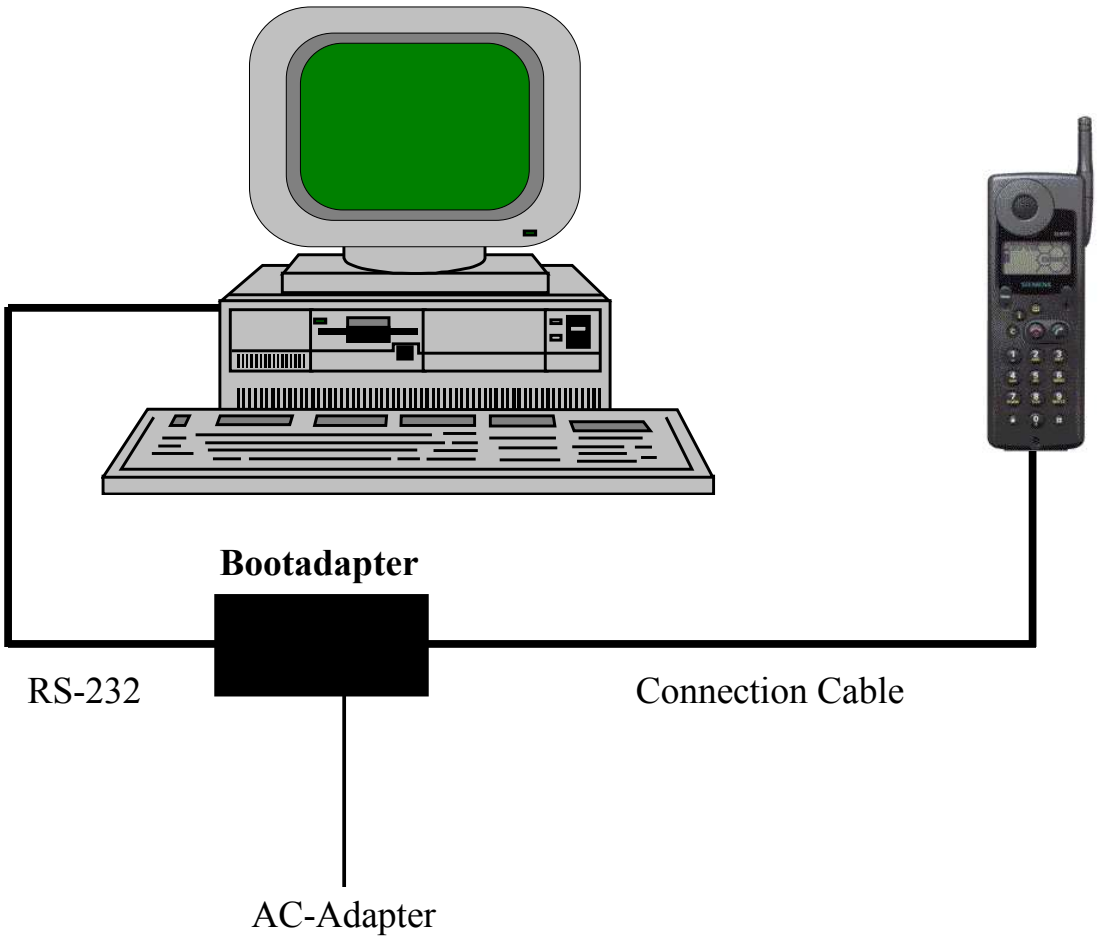
61 **Service Tones** — **On / Off**
Service tones are audible when loggin into the network or connecting a call etc.

62 **Master Reset**
This feature will reset factory settings, but not the security codes or charge limits etc.

63 **Phone Status**
This shows your IMEI-Number and the Software-Date (Press left softkey once!)

Software programming

The software of the S6 GSM / PCN handsets is programmed directly from a PC using the bootadapter (see drawing below).



Description of software booting

Connect COM-port of PC with bootadapter using the enclosed RS232 cable. Afterwards plug in AC-Adapter, if connected correctly the „Power“ lamp will be active.

Switch off handset and connect it to the bootadapter with the connection cable.

Copy bootsoftware to your PC and follow the instructions in the „readme.txt“.

Ordering Number Bootadapter: L24857-F1006-A30
The bootadapter comes complete with AC-Adapter, RS-232 and handset connection cable.

Language Groups

There are different language groups of the same software version:
Attention: This information is subject to change! Contact your service coordinator for the latest update and ordering numbers.

a) GSM

Language Group	Display Languages
1	German, English, French, Italian
2	Danish, Finish, Swedish, Norwegian
3	English, Katalanish, Spanish, Portuguese
4	English, Turkish, Czech, Polish
5	English, Russian, Bulgarian, German
6	English, Greek, Italian, Hungarian
7	English, French, Dutch, **SMS-CB**
8	English, French, Arabic, German

b) PCN

Language Group	Display Languages
1	German, English, French, **SMS-CB**
2	Danish, Finish, Swedish, Norwegian

Deblocking

If the phone is disabled due to a wrong entry of the phonecode (not PIN1, PIN2, network code or service provider code!) it can only be resetted by entering the right unblocking code.
The unblocking code is derived from the IMEI number and can only be calculated by our hotline personell in Germany.

If you need unblocking codes just send a fax with the IMEI numbers to:

Siemens AG
PN KE SH
World Service Center
Bocholt, Germany

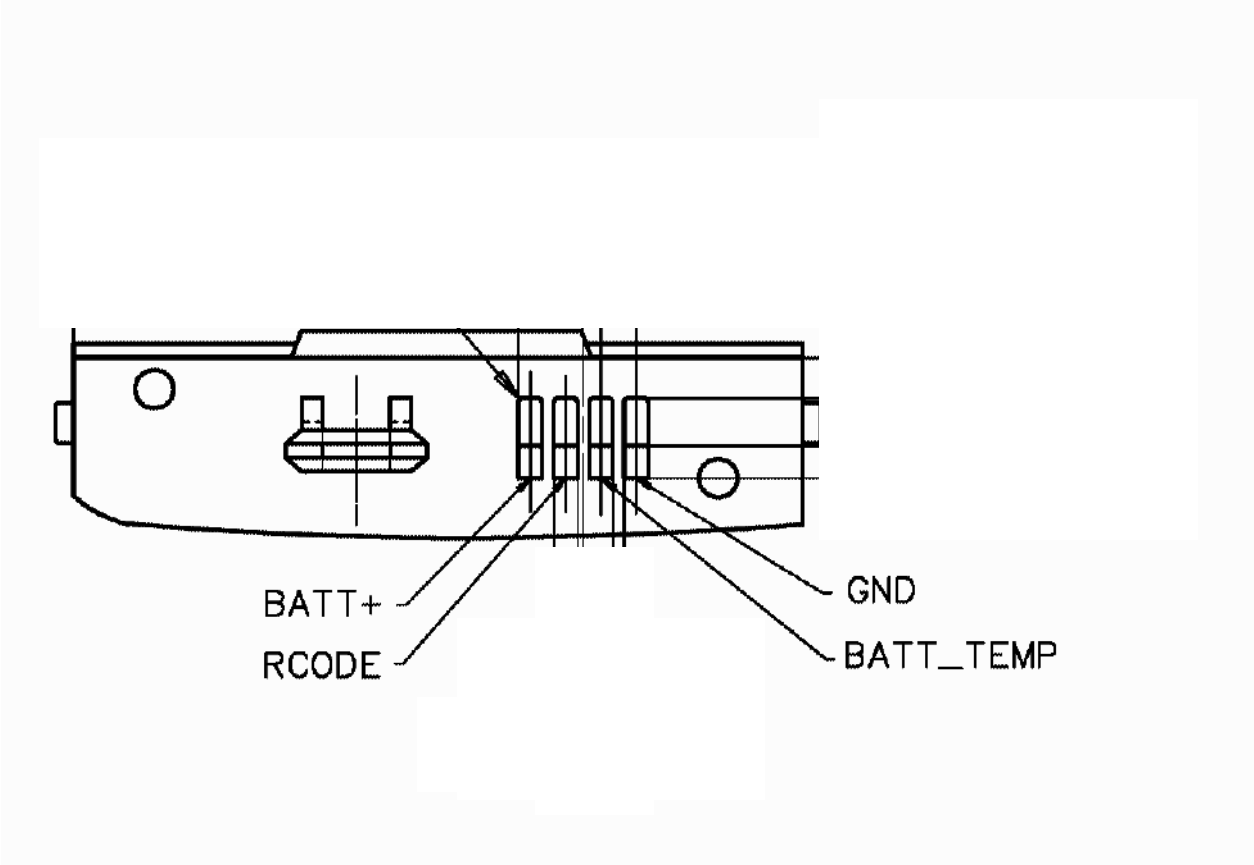
Fax: +49 2871 91 3007

Please use the appropriate form provided by your service coordinator!

Battery

Specification

The S6 battery is a Lithium-Ion type with a voltage of 3.6 Volts and a capacity of 1000 mAh.



The connections BATT+ and GND are used to supply the mobile, while RCODE is used to detect the battery technology. BATT_TEMP is used to measure the battery temperature.

Short Circuit Protection

The battery is short-circuit protected by an electronic fuse.
The resetting of the fuse can be done by the following procedures:

* Plug the battery into the desktop charger.

or

* Apply +5 Volts between the BATT+ and GND contacts (see drawing!)
  Limit the current to 10mA.

Deep Discharge

If the battery is deeply discharged it can be recharged by the following procedure:

Insert flat battery into handset and connect travel charger. The charging symbol will not be visible. Wait for appr. 1 hour and disconnect charger afterwards.

Remove battery and reinsert it. If you connect the travel charger now, the charging symbol must be visible on the handset display.

Battery Datecodes

The datecode printed on the battery will give you the following information:

Example: TOS 8 G9 VA 1

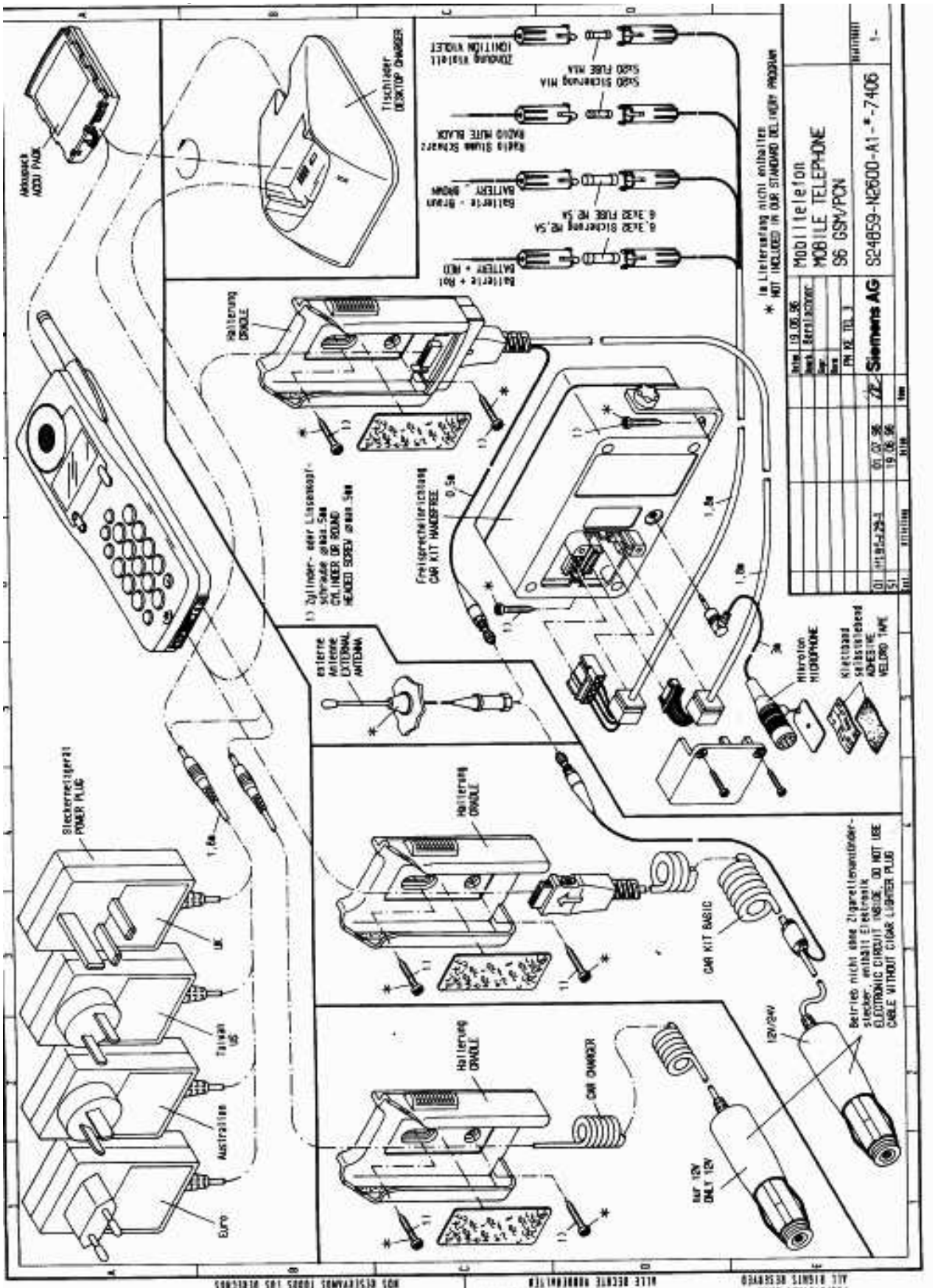
TOS = Cells supplied by Toshiba
8 = Revision level
G9 = Datecode
VA = Varta (battery manufacturer)
1 = Place of manufacturing (1=Germany ,2= Novibor, Czech Republic)

Datecode:
1. Character: Year of production (F= 1995, G= 1996)
2. Character: Month of production
(1-9 means January to September; O=October; N=November ; D=December)

From february of 1997 on, Varta is going to adapt its datecoding according to industrial standard DIN EN 60062.
This means that the character indicating the year 1997 will be a „J“

Example: TOS 8 J2 VA 1 This battery was produced in february of 1997!

S6 GSM / PCN Accessories



Desktop Charger

This charger can be used to charge the battery alone or the battery inserted into the handset, but not both at the same time!

Furthermore ist is helpful to reset disabled batteries.
The desktop charger is supplied by the AC-adapter coming with the handset.

Car Charger

The car charger is connected to the cigarette lighter of the car with a flexible cable. This accessory will charge the handset battery, it can not be used as a car kit because it does not have a RF connection to the external antenna.

Note: The cigarette lighter plug is only usable for 12V car batteries.
Do not connect it to a 24V truck battery!

Never cut off the cigarette lighter plug and never make a direct connection to the car battery. There is a voltage regulator in the plug which is regulating the 12V down to the charging voltage of the handset!

Car Kit Basic

The car kit basic is connected to the cigarette lighter of the car with a flexible cable. This accessory will charge the handset battery, and it can also be used as a car kit because it does provide a RF connection to the external antenna.
You have to use a external antenna because the phone automatically switches off the internal antenna!

Note: The cigarette lighter plug is only usable for 12V car batteries and for 24V truck batteries!

Never cut off the cigarette lighter plug and never make a direct connection to the car battery. There is a voltage regulator in the plug which is regulating the 12V/24V down to the charging voltage of the handset!

Car Kit Handsfree

This car kit provides the full range of functionalities: handsfree microphone and loudspeaker, battery charging and radio mute.

The connections to the battery are made directly using the cables with fuses for „battery+“, „battery-“ and „ignition“. Furthermore it provides a „radio mute“ connection to the car radio.

See drawing „S6 GSM / PCN Accessories“ for details-

Spare Parts List

List of spare parts / jigs and tools / swap units

Attention: The following lists are subject to change. Contact your service coordinator for the latest update!

swap units

These are complete telephones for swap-purposes.

Part-Number	Part	Q.p.P.
L24859-C2600-A910	S6/**GSM**/SWAP/LG 1	/1
L24859-C2600-A914	S6/**GSM**/SWAP/TIM/LG 1	/1
L24859-C2600-A915	S6/**GSM**/SWAP/OPI/LG 1	/1
L24859-C2600-A917	S6/**GSM**/SWAP/TDM/SIM-LOCK	/1
L24859-C2600-A922	S6/**GSM**/SWAP/MOVISTAR/SIM-LOCK	/1
L24859-C2600-A923	S6/**GSM**/SWAP/AIRTEL/SIM-LOCK	/1
L24859-C2600-A924	S6/**GSM**/SWAP/SIEMENS/LG 7	/1
L24859-C3600-A910	S6/**PCN/**SWAP/LG 1	/1
L24859-C3600-A914	S6/**PCN**/SIM-LOCK/ADAM/SWAP/LG 1	
L24859-C3600-A915	S6/**PCN**/SIM-LOCK/MUTIA/SWAP/LG_2	/1

LG = Language **G**roup

spare parts

Part.-No.	Parts	Q.p.P.
L24859-A2600-A905	S6/**GSM**/RF/CONTROL/BOARD/ LG1	/1

L24859-A3600-A905	S6/**PCN**/RF/CONTROL/BOARD/LG1	/1
L24851-F1000-A20	CONNECTION-BOX/+LOUDSPEAKER	/1
L36158-A4-B2	LOWER/CASE/SHELL/STD/COMPLETE	/20
L36158-A4-C8	FOAM/SEAL/BUZZER	/10
L36158-A4-C11	COVER/RUBBER/SCREW	/25
L36158-A4-C27	SCREEN/FRAME	/10
L36212-Z3-C15	ACOUSTIC/EARPHONE	/10
L36254-Z6-C59	MICROPHONE/GSM/PCN	/10
L36334-Z93-C253	INTERCONNECTOR	/10
L36851-Z1361-B18	BATTERY CONTACT 4pins	/40
L36851-Z1402-A10	KEYPAD/GSM/PCN	/10
L36851-Z1508-A17	S6/**GSM**/USER INTERFACE	/1
L36851-Z1508-A18	S6/**PCN**/USER INTERFACE	/1

customer spezified spare parts

L36158-A4-B1	UPPER/CASE/SHELL/**GSM**/STD	/20
L36158-A4-B11	UPPER/CASE/SHELL/**PCN**/STD	/20
L36158-A4-B22	UPPER/CASE/SHELL/**GSM**/TDM	/20
L36158-A4-B28	UPPER/CASE/SHELL/**GSM**/TIM	/20
L36158-A4-B29	UPPER/CASE/SHELL/**GSM**/OPI	/20
L36158-A4-B31	UPPER/CASE/SHELL/**GSM**/MOVISTAR	/20
L36158-A4-B32	UPPER/CASE/SHELL/**GSM**/AIRTEL	/20

Accessories and wearing parts

Part.-No.	Parts	Q.p.P.
L24158-Z27-A308	SCREW/FLAT/HEAD/TORX 1,8x8	/40
L24851-Z2705-A20	BATTERY/PACK/LITHIUM-ION	/1
L36146-A1016-D	CON.CABLE/BATTERY	/1
L36158-A4-C40	BELT CLIP	/10

L36158-A5-B1	HOLDER/HANDSET	/1
L36158-Z27-A212	SCREW/FLAT/HEAD/TORX 1,8x12	/40
L36158-Z28-A312	SCREW/OVAL/HEAD/TORX1,8x12/HANDSET/ *)	/40
L36254-Z6-C61	HANDSFREE/MICROPHON/GSM/PCN	/1
L36851-Z1303-A134	CON.CABLE/CARKIT/HF	/1
L36158-A2-C5	DISTANCE/STRIP *)	/1
L36158-A5-C4	PLUG-IN/CONSOLE *)	/1
L36158-A5-C5	PLUG-IN/COVER *)	/1

L24851-Z2630-A2	DESK-TOP/CHARGER #)	/4
L36851-Z2618-V1	PLUG-IN/POWER-SUPPLY/EU	/1
L36851-Z2618-V2	PLUG-IN/POWER-SUPPLY/UK	/1
L36851-Z2618-V3	PLUG-IN/POWER-SUPPLY/AUS	/1
L36851-Z2618-V4	PLUG-IN/POWER-SUPPLY/TAIWAN	/1

#) Plug-In power supply not included
*) only for handsfree carki

Documentation

L36859-N2600-A100-*-4-E19	S6/USER GUIDE/UG1	GBR/DEU/FRA/ITA	/1
L36859-N2600-A101-*-5-W19	S6/USER GUIDE/UG2	DK/FIN/SWE/NOR	/1
L36859-N2600-A102-*-9-K19	S6/USER GUIDE/UG3	GBR/KATAL/ESP/POR	/1
L36859-N2600-A103-*-9-L19	S6/USER GUIDE/UG4	GBR/TUR/TCH/POL	/1
L36859-N2600-A104-*-9-M19	S6/USER GUIDE/UG5	GBR/FRA/RUS/BUL	/1
L36859-N2600-A105-*-9-N19	S6/USER GUIDE/UG6	GBR/GRI/ITA/HUN	/1
L36859-N2600-A106-*-3-Q19	S6/USER GUIDE/UG7	GBR/FRA/NDL	/1
L36859-N2600-A107-*-3-T19	S6/USER GUIDE/UG8	GBR/FRA/ARABIC	/1
L36859-N2600-A108-*-6-C19	S6/USER GUIDE/UG9	GBR/CHN	/1
L36859-N2600-A109-*-6-319	S6/USER GUIDE/UG10	GBR/DEU/FRA	/1
L36859-N2600-A110-*-7-219	S6/USER GUIDE/UG11	ITL	/1
L36859-N2600-A111-*-6-319	S6/USER GUIDE/UG12	GBR/DEU/FRA	/1
L36859-N2600-A112-*-9-K19	S6/USER GUIDE/UG13	GBR/KATAL/ESP/PRT	/1
L36859-N2600-A113-*-9-K19	S6/USER GUIDE/UG14	GBR/KATAL/ESP/PRT	/1
L36859-N2600-A114-*-5-419	S6/USER GUIDE/UG15	NDL	/1
L36859-N3600-A100-*-6-319	S6/**PCN**/USER GUIDE/UG1	DEU/GBR/FRA	/1