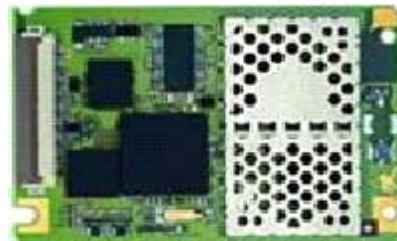


SIEMENS TC35i

GSM



(not to scale)

40 way ZIF data connector

This is mated to another ZIFconnector to be fixed to the host product with a 40 way FFC cable.

This connection deals with all SIM, power and data transfer.

ELC-CON-05 40 way ZIF connector

AXN-FFC-02 40 way 50mm FFC data cable

The Siemens TC35i is their basic introductory GSM only module. It is a little dated and out performed by later products, but does have a have a solid customer base and will carry on in production for the foreseeable future.

TC35i is 900/1800Mhz

This product is complemented with a terminal version for those who want a quick to market fully approved product.

GSC RF antenna connector

This allows RF connection

Either a GSC to GSC cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

MUR-GSC-01 - cable assembly

Or a GSC to FME bulkhead cable. This allows a normal antenna to be connected to the module. It gives a similar socket to the Siemens Terminals

ADA3001-110 - cable assembly

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatability.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS TC35i Terminal

GSM

Mini SIM holder

Draw style mini SIM holder supplied built into the terminal.

4 Pole Western plug (female)

This socket allows a handset or other audio accessory to be attached to the terminal.



(not to scale)

The Siemens TC35iT is their introductory GSM only Terminal. It is a little dated and outperformed by later products, but does have a solid customer base and will carry on in production for the foreseeable future.

TC35i is 900/1800Mhz

This product is designed for those who wish a swift route to market, are looking for a proof of concept, or do not wish to get involved with an in-depth design.

FME Male antenna socket

Direct connection for antenna such as those listed below.

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female connection - as per Siemens Terminal antennas.

Standard antennas are Quad band now.

Suggested options

ANTD540 FME - magnetic mount dual band

ANTD510 FME - T bar strip dual band

ADA0096I - stubby direct mount straight

ADA0096L - stubby direct mount right angle

Bespoke special design antennas are available requiring consultation with the manufacturer.

Power input 6 pole Western plug (f)

Power supply input. Variable from 8 - 30V

SIE-PSU-01 - 12V Mains PSU UK plug

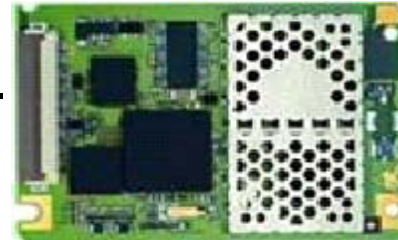
9 way D sub data connector (female)

This connection deals with all data transfer and is complimented with the following cable -

SIE-CAB-01 - 9F - 9M D sub data cable

SIEMENS MC39i

GSM/GPRS



(not to scale)

40 way ZIF data connector

This is mated to another ZIFconnector to be fixed to the host product with a 40 way FFC cable.

This connection deals with all SIM, power and data transfer.

ELC-CON-05 40 way ZIF connector

AXN-FFC-02 40 way 50mm FFC data cable

The Siemens MC39i is their introductory GPRS module

Now a little dated and out performed by later products, it does have a solid customer base. **REPLACED MC35i**

MC39i is 900/1800Mhz

GPRS Class is 8

This product is complemented with a terminal version for those who want a quick to market fully approved product.

GSC RF antenna connector

This allows RF connection

Either a GSC to GSC cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

MUR-GSC-01 - cable assembly

Or a GSC to FME bulkhead cable. This allows a normal antenna to be connected to the module.

It gives a similar socket to the Siemens Terminals

ADA3001-110 - cable assembly

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatability.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS MC35i Terminal

GSM/GPRS

Mini SIM holder

Draw style mini SIM holder supplied built into the terminal.

4 Pole Western plug (female)

This socket allows a handset or other audio accessory to be attached to the terminal.

The Siemens MC35iT is their introductory GPRS Terminal. Now a little dated and out performed by later products, it does have a solid customer base.

MC35iT is 900/1800Mhz

Class 8 GPRS

This product is designed for those who wish a swift route to market, are looking for a proof of concept, or do not wish to get involved with a indepth design.



(not to scale)

9 way D sub data connector (female)

This connection deals with all data transfer and is complimented with the following cable -
SIE-CAB-01 - 9F - 9M D sub data cable

FME Male antenna socket

Direct connection for antenna such as those listed below.

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female connection - as per Siemens Terminal antennas.

Standard antennas are Quad band now.

Suggested options

ANTD540 FME - magnetic mount dual band

ANTD510 FME - T bar strip dual band

ADA0096I - stubby direct mount straight

ADA0096L - stubby direct mount right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

Power input 6 pole Western plug (f)

Power supply input. Variable from 8 - 30V

SIE-PSU-01 - 12V Mains PSU UK plug

SIEMENS MC55 and MC56

GSM/GPRS

50 way board to board data connector

This is soldered to the PCB and the module fits with this for all SIM, power and data transfer. Mating half for PCB -

HRS-DF12-01 - 50 way board to board connector



(not to scale)

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module.

It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

The Siemens MC55 and MC56 are the smallest multifunction GSM/GPRS products on the market.

MC55 is 900/1800/1900Mhz

MC56 is 850/1800/1900Mhz

Both are GPRS Class 10

This product can be fitted in the Tactus MTC45 Terminal box to give Terminal style connectability to the module

TAC-MTC45T-01 - Tactus MTC45 Terminal

TAC-CAB-01 - Serial data cable for Tactus MTC45 Terminal

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatability.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS XT55

GSM/GPRS/GPS

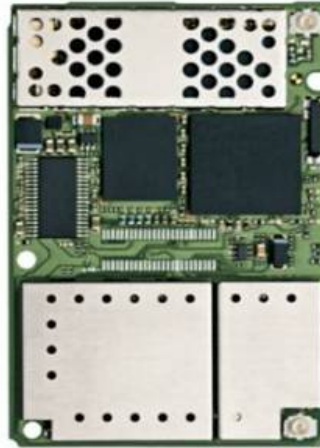


80 way board to board data connector

(found on the underside of the module)

This is soldered to the PCB and the module fits with this for all SIM, power, GPS and data transfer. Mating half for PCB -

HRS-DF12-02 - 50 way board to board connector



(not to scale)

The Siemens XT55 is their first GPS enabled product allowing an all in one GPS/GSM/GPRS module to be designed in.

This module is GSM, GPRS and GPS ready

XT55 is 900/1800/1900Mhz Triband

GPRS Class 10

12 channel Sirf chipset GPS receiver

U.FL RF antenna connector GPS

This allows RF connection to the GPS section

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to FME or possibly an alternate connector for GPS antenna connection. Discussion with the buyer is recommended.

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module.

It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female connection - as per Siemens Terminal antennas. As standard antennas are 900/1800Mhz dual band

Suggested options

ANTD540 FME - magnetic mount dual band

ANTD510 FME - T bar strip dual band

ADA0096I - stubby direct mount straight

ADA0096L - stubby direct mount right angle

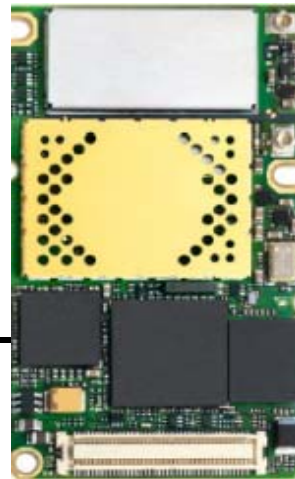
ANTD GPS FME - GPS puck

ANTD420 - GPS + GSM blade antenna

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS XT65

GSM/GPRS/GPS & JAVA



80 way board to board data connector

(found on the underside of the module)

This is soldered to the PCB and the module fits with this for all SIM, power, GPS and data transfer. Mating half for PCB -

HRS-DF12-02 - 50 way board to board connector

The Siemens XT65 is their first GPS enabled product allowing an all in one GPS/GSM/GPRS module to be designed in.

This module is GSM, GPRS and GPS ready

XT65 is 850/900/1800/1900Mhz

GPRS Class 12. JAVA enabled

16 channel Atmel & U-Blox chipset GPS receiver

(not to scale)

U.FL RF antenna connector GPS

This allows RF connection to the GPS section
Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to FME or possibly an alternate connector for GPS antenna connection. Discussion with the buyer is recommended.

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module.

It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female connection - as per Siemens Terminal antennas. As standard antennas are 900/1800Mhz dual band

Suggested options

ANTD540 FME - magnetic mount dual band

ANTD510 FME - T bar strip dual band

ADA0096I - stubby direct mount straight

ADA0096L - stubby direct mount right angle

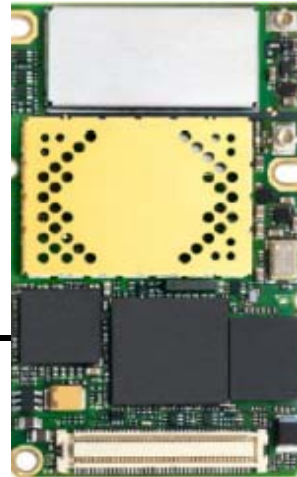
ANTD GPS FME - GPS puck

ANTD420 - GPS + GSM blade antenna

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS XT75

GSM/GPRS/EDGE/GPS & JAVA



80 way board to board data connector

(found on the underside of the module)

This is soldered to the PCB and the module fits with this for all SIM, power, GPS and data transfer. Mating half for PCB -

HRS-DF12-02 - 50 way board to board connector

The Siemens XT75 is their first GPS enabled product allowing an all in one GPS/GSM/GPRS module to be designed in.

This module is GSM, GPRS, EDGE and GPS ready

XT75 is 850/900/1800/1900Mhz

GPRS Class 12. JAVA enabled

16 channel Atmel & U-Blox chipset GPS receiver

(not to scale)

U.FL RF antenna connector GPS

This allows RF connection to the GPS section
Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to FME or possibly an alternate connector for GPS antenna connection. Discussion with the buyer is recommended.

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module.

It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female connection - as per Siemens Terminal antennas. As standard antennas are 900/1800Mhz dual band

Suggested options

ANTD540 FME - magnetic mount dual band

ANTD510 FME - T bar strip dual band

ADA0096I - stubby direct mount straight

ADA0096L - stubby direct mount right angle

ANTD GPS FME - GPS puck

ANTD420 - GPS + GSM blade antenna

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS TC63

GSM/GPRS



80 way board to board data connector

This is soldered to the PCB and the module fits with this for all SIM, power and data transfer. Mating half for PCB -

MOL-CON-01 - 80 way board to board connector

U.FL RF antenna connector

This allows RF connection
Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module. It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

(not to scale)

The Siemens TC63 is part of the new generation of Siemens products. Loaded with extra features, the most obvious being Quad band and an integrated TCP/IP stack.

This module is GSM and GPRS ready

TC63 is 850/900/1800/1900Mhz

GPRS Class 12

Integrated TCP/IP stack

2 x Serial interfaces, USB and I2C bus

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatability.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

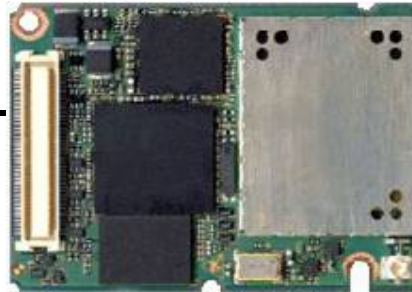
ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS TC65

GSM/GPRS & JAVA



80 way board to board data connector

This is soldered to the PCB and the module fits with this for all SIM, power and data transfer. Mating half for PCB -

MOL-CON-01 - 80 way board to board connector

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module. It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

(not to scale)

The Siemens TC63 is part of the new generation of Siemens products. Loaded with extra features, the most obvious being Quad band, an integrated TCP/IP stack and JAVA onboard. Java allows the developer to embed applications quickly and easily. This module is GSM and GPRS ready.

TC65 is 850/900/1800/1900Mhz

GPRS Class 12

Integrated TCP/IP stack

2 x Serial interfaces, USB and I2C bus

Java J2ME profile IPM 2.0

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatibility.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

SIEMENS TC65T Terminal

GSM/GPRS & JAVA



24 way Lock mate socket

24 way cable assembly for multi I/O's
CANLOK24100OPA PF

9 way D sub data connector (female)

This connection deals with all data transfer and is
complimented with the following cable -
SIE-CAB-01 - 9F - 9M D sub data cable

Mini SIM holder

Draw style mini SIM holder supplied built into the
terminal.

The Siemens TC65T is part of the new generation of Siemens
products. Loaded with extra features, the most obvious being
Quad band, an integrated TCP/IP stack and JAVA onboard.
Java allows the developer to embed applications quickly and easily
This terminal is GSM and GPRS ready
TC65 is 850/900/1800/1900Mhz
GPRS Class 12
Integrated TCP/IP stack
2 x Serial interfaces, USB and I2C bus
Java J2ME profile IPM 2.0

(not to scale)

SMA Female antenna socket

Direct connection for antenna such as those listed
below.

Antenna options

This unit can be matched with a huge array of
antenna options. External antennas will require
a SMA Male connection -
standard antennas are Quad band now.

Suggested options

ANTD540 SMA- magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ADA0086I - stubby direct mount straight

ADA0086L - stubby direct mount right angle

Bespoke special design antenna are available
requiring consultation with the manufacturer.

Power input 6 pole Western plug (f)

Power supply input. Variable from 8 - 30V

SIE-PSU-01 - 12V Mains PSU UK plug

4 Pole Western plug (female)

This socket allows a handset or other audio
accessory to be attached to the terminal.

ITEM NOT CURRENTLY SUPPLIED

SIEMENS MC75

GSM/GPRS/EDGE



80 way board to board data connector

This is soldered to the PCB and the module fits with this for all SIM, power and data transfer. Mating half for PCB -

MOL-CON-01 - 80 way board to board connector

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module. It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

(not to scale)

The Siemens MC75 is part of the new generation of Siemens products. Loaded with extra features, the most obvious being Quad band, an integrated TCP/IP stack and EDGE enabled. EDGE is an enhanced high bandwidth GPRS technology.

This module is GSM and GPRS ready

MC75 is 850/900/1800/1900Mhz

GPRS Class 12 (EDGE class 10)

Integrated TCP/IP stack

2 x Serial interfaces, USB, I2C bus and SD card

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatibility.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.

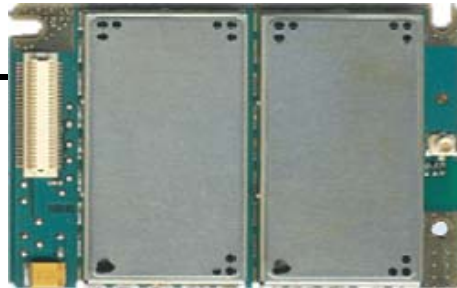
SIEMENS HC15

GSM/GPRS/EDGE/ 3G HSDPA

50 way board to board data connector

This is soldered to the PCB and the module fits with this for all SIM, power and data transfer. Mating half for PCB -

HRS-DF12-01 - 50 way board to board connector



(not to scale)

U.FL RF antenna connector

This allows RF connection

Either a U.FL to U.FL cable is used - this would also require a mating half. This option purely takes the RF connection out from the module and then on to a PCB

HRS-UFL-01 - cable assembly

HRS-UFL-04 - PCB mating half

Or a U.FL to SMA bulkhead cable. This allows a normal antenna to be connected to the module. It gives a similar socket to the Siemens Terminals

CAUFMRGSMFSG130113xx -cable assembly

The Siemens HC15 is the latest generation of Siemens products. Loaded with extra features, the most obvious being 3G HSDPA. Quad band, an integrated TCP/IP stack and EDGE enabled too. 3G is high bandwidth but limited coverage currently.

This module is GSM, GPRS, EDGE & 3G ready

HC15 is 850/900/1800/1900Mhz GSM/GPRS/EDGE

850/1900/2100Mhz HSDPA/UMTS 3G

GPRS Class 12 (EDGE class 10)

Integrated TCP/IP stack

2 x Serial interfaces, USB, I2C bus and SD card

Antenna options

This unit can be matched with a huge array of antenna options. External antennas will require a FME Female or SMA male connection.

As standard antennas are now Quad band but Check for 3G compatibility.

Suggested options

ANTD540 SMA - magnetic mount dual band

ANTD510 SMA - T bar strip dual band

ANTD STUB STR SMA - stubby straight

ANTD STUB R/A SMA - stubby right angle

Bespoke special design antenna are available requiring consultation with the manufacturer.