

GE863-GPS HARDWARE DIFFERENCES DECLARATIONS

Introduction

We, TELIT Communications S.p.A. declares that the new quad-bands GSM 850/900/1800/1900 terminal equipment type GE863-GPS hardware revision 2, is based on the already tested quad-bands GSM 900/1800/1900 terminal equipment type GE864-QUAD hardware revision 1 that should be considered as the 'based model'.

Aim of this document is also that to describe the main hardware differences between the new product GE863-GPS and its based model GE864-QUAD.

List of differences between GE863-GPS HW Rev. 2 and GE864-QUAD Rev. 1

The following main differences between the new GE863-GPS HW Rev.2 and the already tested GE864-QUAD HW Rev. 1 are declared as follows:

Added components:

Added resistor R309 = 560k ohm 0402 5% form pin 3 Q301 to GND

Added resistor R310 = 47k ohm 0402 5% from VCXOEN (PIN 36 U301) to VINT

Added C414 = 33pF.

Related to GPS functionality all page 5 of the schematic is added (this part doesn't affect the functionality of the GSM part)

Other Changes:

U101 = uP PMB7860 V 1.1D

Has to be U101 IC uP PMB7860 V 1.1K

Resistor R407 WAS 3.3k ohm

Has to be 3.3k ohm NO MOUNT

U401 was version A1 ;

Has to be Ver 1.1

L409 = 27 nH was NOT mounted,

Has to be MOUNTED.

C413 = 100pF was NOT mounted,

Has to be MOUNTED.

L416 was connected between pin 10 U402 and VBATT, Has to be connected between pin 10 U402 and pin 9 U402

The PCB used on GE863-GPS HW Rev 2 is called CS1186A

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