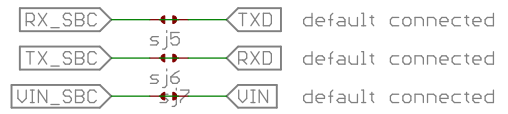


Module specific info:

UGSM219-M95FA#xxx :: 2G/GSM global
 UGSM219-UG95E#xxx :: 2G/GSM + 3G/UMTS European
 UGSM219-UG96#xxx :: 2G/GSM + 3G/UMTS global
 UGSM219-EG91E#xxx :: LTECAT1 + 3G/UMTS + 2G/GSM European
 UGSM219-EG95E#xxx :: LTECAT4 + 3G/UMTS + 2G/GSM European
 UGSM219-BG96#xxx :: LTE CATM1 + NB IoT + 2G/GSM global + GNSS
 UGSM219-BC95G#xxx :: NB IoT global

UGSM219-BG96#xxx :: RST pins and RESET switch have functionality ION / OFF / exit PSM mode]

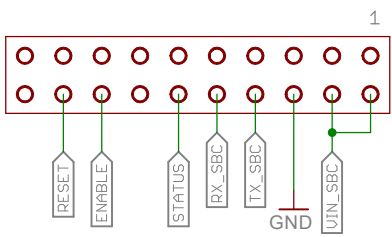
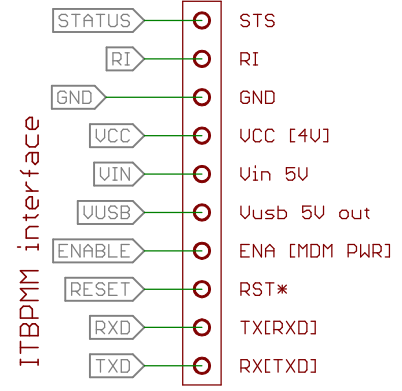
RF-GSM side it is equipped with u,FL or SMA F connectors
 SMA versions does not fit mechanically for BBB interfacing
 GNSS, where present, have u,FL connector only



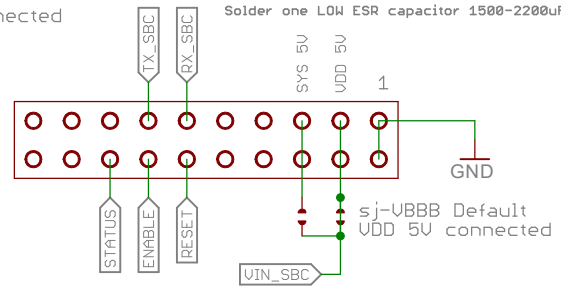
“LiPOL powering schema”: required Lithium Polymer battery or super-cappacitor [1F/5V/ESR<0.100m0hm] connected to “LiPo / super-cap pads”. Power via VIN pin using 5V power source.

“w/0 LiPOL powering schema”: Power via UCC pin using. Power source requirements: No LiPo bat. required!!!
 - voltage 3.7-4.1V [max. voltage drop during the burst transmission 0.200V]
 - current requirements: 650-1000mA sustained, 2 A pulse capable.

“direct 5V powering schema”: No LiPo bat. required. Power via LIPOL+ pad. INTERRUPT SJP1!!! Power source requirements:
 - voltage 5.0V [max. voltage drop during the burst transmission 0.200V]
 - current requirements: 650-1000mA sustained, 2 A pulse capable.
 Solder one LOW ESR capacitor 1500-2200uF/6.3V soldered to super-cap pads.



RPI embedded interface [first half]



Beagle Bone Black embedded P9 interface [first 20pins]

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Title:	u-GSM_block_schema	Drawn by: Dragos Iosub
Size:	LETTER	Ref.: u-GSM v2.19 modular modem
		Rev.: 1.21
Date:	10/11/2018 3:12:10 PM	Sheet: 1 of 1