Tina_R853_AXP2101_   reset

1.

Tina_R853_AXP2101_   reset

2

R853+ AXP2101

Tina4.0

3

3.1

reset   reset

3.2

log   reset
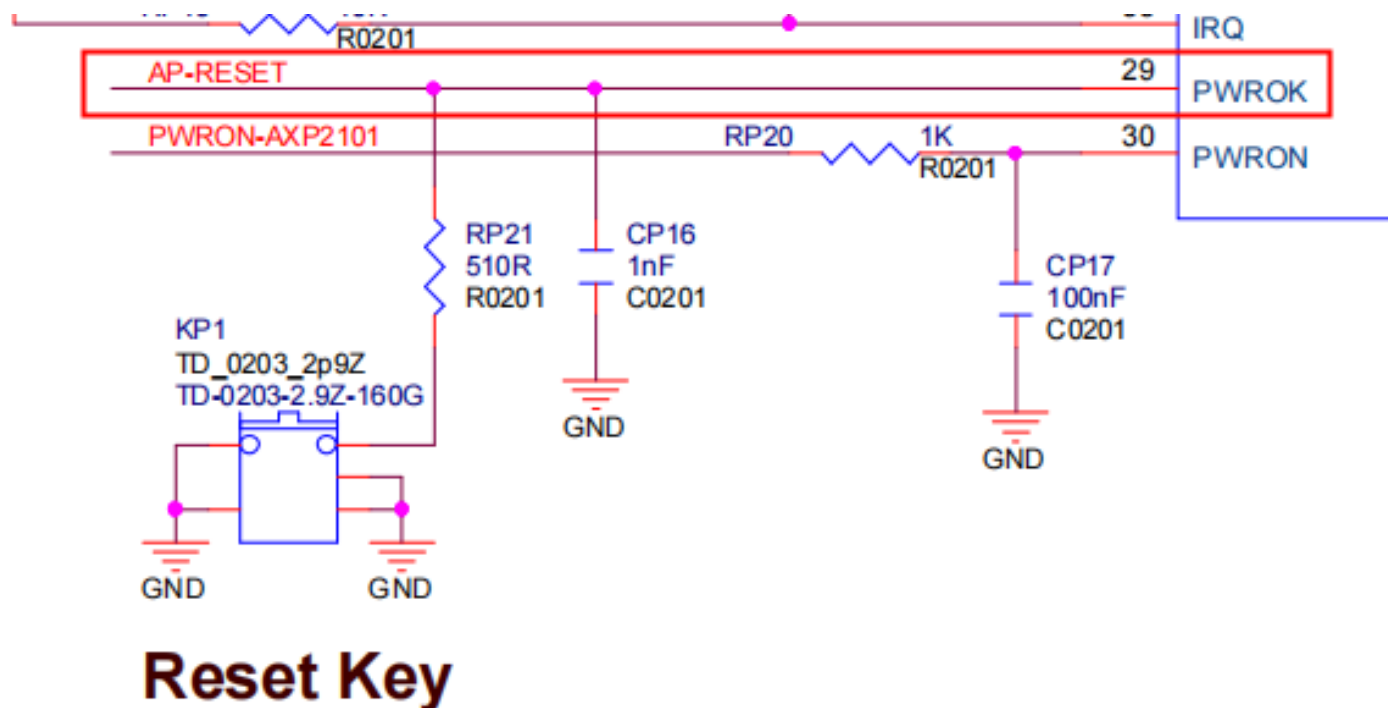
log


```
[    2.787790] Bluetooth: HCI UART protocol H4 registered
[    2.793564] Bluetooth: HCI H4 protocol initialized
[    2.800370] Bluetooth: XRadio Bluetooth LPM Mode Driver Ver 01.00.07
[    2.808303] [XR_BT_LPM] bluesleep_probe: bt_wake polarity: 1
[    2.814690] [XR_BT_LPM] bluesleep_probe: host_wake polarity: 0
[    2.821434] [XR_BT_LPM] bluesleep_probe: uart_index(2)
[    2.827532] bt_fdi debugfs_init
[    2.831998] cpuidle: enable-method property 'psci' found operations
[    2.841711] sunxi-mmc sdc2: SD/MMC/SDIO Host Controller Driver(v3.59 2022-4-21 13:40)
[    2.850994] sunxi-mmc sdc2: ***ctl-spec-caps*** 308
[    2.857438] sunxi-mmc sdc2: No vdmmc regulator found
[    2.863012] sunxi-mmc sdc2: No vd33sw regulator found
[    2.868761] sunxi-mmc sdc2: No vd18sw regulator found
[    2.874422] sunxi-mmc sdc2: No vq33sw regulator found
[    2.880168] sunxi-mmc sdc2: No vq18sw regulator found
[    2.886295] sunxi-mmc sdc2: set host busy
[    2.890857] mmc:failed to get gpios
[    2.895097] sunxi-mmc sdc2: sdc set ios:clk 0Hz bm PP pm UP vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.925705] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.965685] sunxi-mmc sdc2: detmode:alway in(non removable)
[    2.965711] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.974083] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.975158] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm OD pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.985993] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm OD pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.986066] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm OD pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    2.998891] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm OD pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    3.043637] sunxi-mmc sdc0: SD/MMC/SDIO Host Controller Driver(v3.59 2022-4-21 13:40)
[    3.052598] sunxi-mmc sdc0: ***ctl-spec-caps*** 8
[    3.059746] sunxi-mmc sdc0: No vqmmc regulator found
[    3.065316] sunxi-mmc sdc0: No vdmmc regulator found
[    3.071424] sunxi-mmc sdc0: set host busy
[    3.076031] sunxi-mmc sdc0: Got CD GPIO
[    3.080796] sunxi-mmc sdc0: sdc set ios:clk 0Hz bm PP pm UP vdd 22 width 1 timing LEGACY(SDR12) dt B
[    3.091223] no vqmmc,Check if there is regulator
[    3.125690] sunxi-mmc sdc0: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    3.137402] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 1 timing LEGACY(SDR12) dt B
[    3.161761] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 8 timing LEGACY(SDR12) dt B
[    3.172832] sunxi-mmc sdc0: detmode:gpio irq
[    3.178337] sunxi-mmc sdc2: sdc set ios:clk 400000Hz bm PP pm ON vdd 22 width 8 timing MMC-HS200 dt B
[    3.188972] sunxi-mmc sdc1: SD/MMC/SDIO Host Controller Driver(v3.59 2022-4-21 13:40)
[    3.189120] sunxi-mmc sdc1: ***ctl-spec-caps*** 8
[    3.189205] sunxi-mmc sdc1: No vmmc regulator found
[    3.189211] sunxi-mmc sdc1: No vqmmc regulator found
[    3.189215] sunxi-mmc sdc1: No vdmmc regulator found
[    3.189220] sunxi-mmc sdc1: No vd33sw regulator found
[    3.189224] sunxi-mmc sdc1: No vd18sw regulator found
[    3.189229] sunxi-mmc sdc1: No vq33sw regulator found
[    3.189234] sunxi-mmc sdc1: No vq18sw regulator found
[    3.189634] sunxi-mmc sdc1: set host busy
[    3.189699] mmc:failed to get gpios
[    3.190040] sunxi-mmc sdc1: sdc set ios:clk 0Hz bm PP pm UP vdd 21 width 1 timing LEGACY(SDR12) dt B
[    3.220959] sunxi-mmc sdc1: sdc set ios:clk 400000Hz bm PP pm ON vdd 21 width 1 timing LEGACY(SDR12) dt B
[    3.248276] sunxi-mmc sdc1: detmode:manually by software
[    3.250739] usbcore: registered new interface driver usbhid
[    3.250743] usbhid: USB HID core driver
[    3.251919] sunxi-rproc e907_rproc@0: can't attach iommu device: -22
[    3.265460] sunxi-rproc e907_rproc@0: assigned reserved memory node vdev0buffer@0x47000000
[    3.280726] [sound 1158][DAUDIO snd_sunxi_regulator_init] regulator missing or invalid
```

FAQ840

4

1. log
   reset
2. VSYS VCC_PL 0V

3. powerkey 1.5s~2s powerkey

5

AXP2101 datasheet reset AXP2101 PWROK PWROK Pin
PMU Restart pwrok_restart_en(REG10[3])

Reset Key

Restart PMU

AXP2101 datasheet

When application system works normally, If the PWROK pin is driven low by external key or other reasons,
the PMU will be restarted. The function can be configured by REG10H[3].

AXP2101 Restart PMU 6s PWROK
Pin Restart

6

reset   PWROK

AXP2101   3 / 3   reset