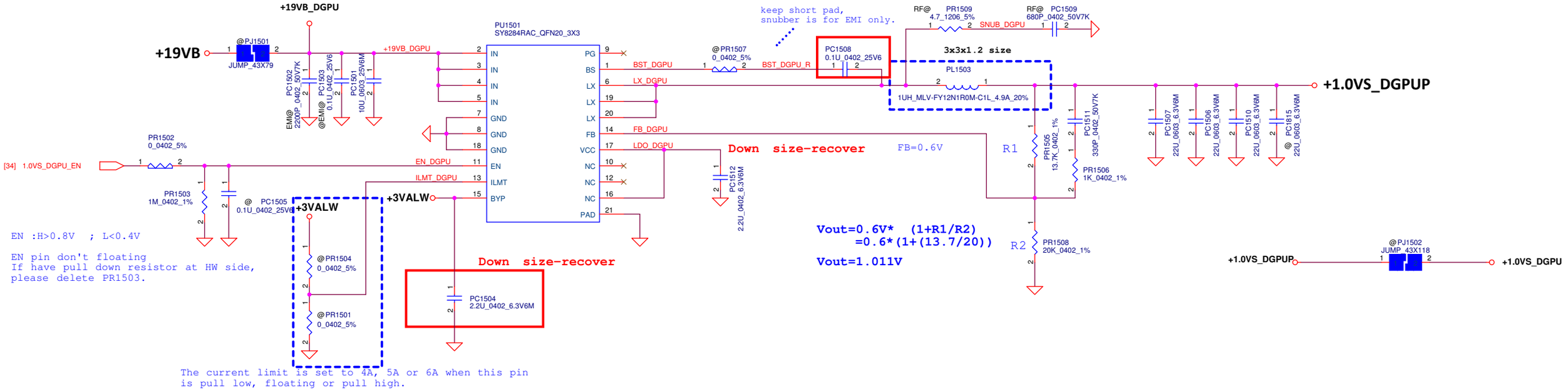
+19VB_DGPU
+19VB
@PJ1501
JUMP_43X79
PC1502 0_0402_50V7K
EMI@ 2200P_0402_50V7K
PC1503 0.1U_0402_25V6
@EMI@ 0.1U_0402_25V6
PC1501 10U_0603_25V6M
+19VB_DGPU
PU1501
SY8284RAC_QFN20_3X3
IN
IN
IN
IN
GND
GND
GND
EN
ILMT
BYP
PG
BS
LX
LX
LX
FB
VCC
NC
NC
NC
PAD
BST_DGPU
LX_DGPU
FB_DGPU
LDO_DGPU
keep short pad,
snubber is for EMI only.
@PR1507 0_0402_5%
BST_DGPU_R
PC1508 0.1U_0402_25V6
RF@ PR1509 4.7_1206_5%
SNUB_DGPU
RF@ PC1509 680P_0402_50V7K
3x3x1.2 size
PL1503
1UH_MLV-FY12N1R0M-C1L_4.9A_20%
+1.0VS_DGPUP
PC1511 330P_0402_50V7K
PR1505 13.7K_0402_1%
PR1506 1K_0402_1%
PC1507 22U_0603_6.3V6M
PC1506 22U_0603_6.3V6M
PC1510 22U_0603_6.3V6M
PC1815 @ 22U_0603_6.3V6M
PR1502 0_0402_5%
[34] 1.0VS_DGPU_EN
EN_DGPU
ILMT_DGPU
PR1503 1M_0402_1%
@ PC1505 0.1U_0402_25V6
+3VALW
+3VALW
@PR1504 0_0402_5%
@PR1501 0_0402_5%
PC1504 2.2U_0402_6.3V6M
PC1512 2.2U_0402_6.3V6M
Down size-recover
Down size-recover
FB=0.6V
R1
R2
PR1508 20K_0402_1%
Vout=0.6V* (1+R1/R2)
=0.6*(1+(13.7/20))
Vout=1.011V
EN :H>0.8V ; L<0.4V
EN pin don't floating
If have pull down resistor at HW side,
please delete PR1503.
The current limit is set to 4A, 5A or 6A when this pin
is pull low, floating or pull high.
+1.0VS_DGPUP
@PJ1502
JUMP_43X118
+1.0VS_DGPU