# Infineon Power for Versal Prime VM1802 (UC4)

## XILINX VERSAL Prime, VM1802

IR35215
Loop1
Loop2

TDA21472
TDA21472
TDA21472

1 — 0.7/0.78//0.88V - 40A to 80A+
2 — 1.2V / 8A+

*xilinx expects slight increase in current on VTT rail (4.81A)

IR3806x
13 — 0.78/0.88V 4.81A (5A to 10A)

IR38063 -25A
IR38062 - 15A
IR38060 - 6A

IR3806x used on UltraZED, Ultra96 ZCU-111

IRPS5401
Ch A
Ch B
Ch C
Ch D
LDO

3 — 0.78/0.88V - 0.64A
4 — 0.78/0.88V - 0.3A
5 — 0.78/0.88V - 2.15A
6 — 1.5V / 3.72A
7 — open / 0.5A

IRPS5401 used on UltraZED, Ultra96 ZCU-104; ZCU-111

IRPS5401
Ch A
Ch B
Ch C
Ch D
LDO

8 — 1.5V / 0.29A
9 — 1.5V / 0.16A
10 — 0.88V / 3.08A
11 — open / 4A
12 — open / 0.5A

VERSAL

PL & AI ENGINE
- VCCINT — 0.7/0.78/0.88
- VCCAUX — 1.5V
- VCC_SOC — 0.7/0.78/0.88
- VCCBRAM — 0.7/0.78/0.88
- VCCINT_IO — 0.7/0.78/0.88
- VCCO (HDIO) — 1.1-3.3V
- VCCO (HPIO) — 1-1.8V
- VMGTAVCC — 0.88V
- VMGTAVCCAUX — 1.5V
- VMGTAVTT — 1.2V

PS Scalar Engine
- VCC_PSINTLP — 0.7/0.78/0.88
- VCC_PSINTFP — 0.7/0.78/0.88
- VCCO_PMIO (0:n) — 1.2- 3.3V other

PMC
- VCC_PMC — 0.7/0.78/0.88
- VCCAUX_PMC — 1.5V
- VCCAUX_SMON — 1.5V
- VCCO_PMIO (0:n) — 1.2- 3.3V
- VREFP — 1.024V

IR3898
IR3897

IR3899 - 9A
IR3898 - 6A
IR3897 - 4A

14 — 1.2V / 6A
15 — 0.6V / +/-3A

DDR3/DDR4

VTT = VDDQ/2
VDD