

## AM62x Max Current Ratings

11/19/21

| Power Supply     |                  | AM62x              |
|------------------|------------------|--------------------|
|                  |                  | Junction Temp 125C |
| VDD_CORE         | Voltage [V]      | 0.75, 0.85         |
|                  | Max Current [mA] | 3100               |
| VDDR_CORE        | Voltage [V]      | 0.85               |
|                  | Max Current [mA] | 250                |
| VDDS_DDR         | Voltage [V]      | 1.1, 1.2           |
|                  | Max Current [mA] | 200                |
| 1.8V Analog      | Voltage [V]      | 1.8                |
|                  | Max Current [mA] | 150                |
| 1.8/3.3V VDDSHVx | Voltage [V]      | 1.8, 3.3           |
|                  | Max Current [mA] | 150                |
| SD IF            | Voltage [V]      | 1.8, 3.3           |
|                  | Max Current [mA] | 50                 |
| 1.8V MCU Analog  | Voltage [V]      | 1.8                |
|                  | Max Current [mA] | 50                 |
| 3.3V MCU IO      | Voltage [V]      | 1.8, 3.3           |
|                  | Max Current [mA] | 50                 |
| Efuse VPP        | Voltage [V]      | 1.8                |
|                  | Max Current [mA] | 400                |

**Note:** The preliminary max current ratings specified in this table are worst-case current estimates per power supply group and should be used for power supply design guidance. Actual use case average power consumption should be lower and estimated per use case.