I_tripp = 21.5A
I_nom = 20A
Grounding of negative ADC inputs:

ADC_GND is a separate net only used for connecting the negative inputs of the ADC. The ADC_GND is connected to one of two near-by Arduino Due GND pins via a 0.1Ω resistor (Arduino Due has no specific Analog Ground input; so one of the GND pins next to the Analog Pins will be used).

---

Due has no specific Analog Ground input; so one of the GND pins next to the Analog Pins will be used.

ADC_GND is a separate net only used for connecting the negative inputs of the ADC. The ADC_GND is connected to one of two near-by Arduino Due GND pins via a 0.1Ω resistor (Arduino Due has no specific Analog Ground input; so one of the GND pins next to the Analog Pins will be used).
Board fixing set

- Spacer M3 F/F 50 HEX7 (SB1, SB2, SB3, SB4)
- Washer M3x16 DIN7985 (SHC3, SHC4)
- Plain washer HV140 ISO7089 M4 (W1, W2)
- Washer under NFAM5065L4B (N1)
- Thermal paste (TP1)

Other parts:
- Heatsink SK64550SA (HSC1)
- M4x16 ISO7045 (SHC7, SHC8)
- Spring washer M4 DIN7980 (W3, W4)
- Plain washer HV140 ISO7089 M4 (W1, W2)
- Washer under NFAM5065L4B (N1)

File: mechanical_parts.SchDoc

ON Semiconductor
Solution Engineering Center
Piestany

SPM31 Module Demo
Mechanical and enclosed parts
Revision: 1.0
Repository revision: standard_board_U1_100kHz
State:
Engineer: Daniel Pruna, Maros Duratny
06.04.2020
File: mechanical_parts.SchDoc