- Single -Channel 75-mΩ Smart High-Side Switch With Full Diagnostics
  - A Version: Open-Drain Digital Output
  - B Version: Current Sense Analog Output
- Wide Operating Voltage: 4.1 V to 40 V
- High accurate current sense: ±15% @ 500mA, ±30% @ 50mA with B Version
- Adjustable current limit: ±30% when = al

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Version A,ST pins for fault reporting. Pulling down the internal ST device to GND, requires the external pull-up, with conventional values of 3.3V and 5V. When channel malfunctions, the corresponding ST pin will be pulled down to GND, so that the system can quickly detect the faulty channel.

Version B, Diagnose anomalies by checking if the CS pin voltage is VCS_ H .
The fault report is shown in Table 2:

Table 2 T

ł q A v

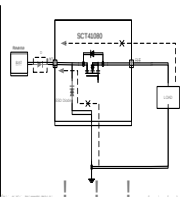
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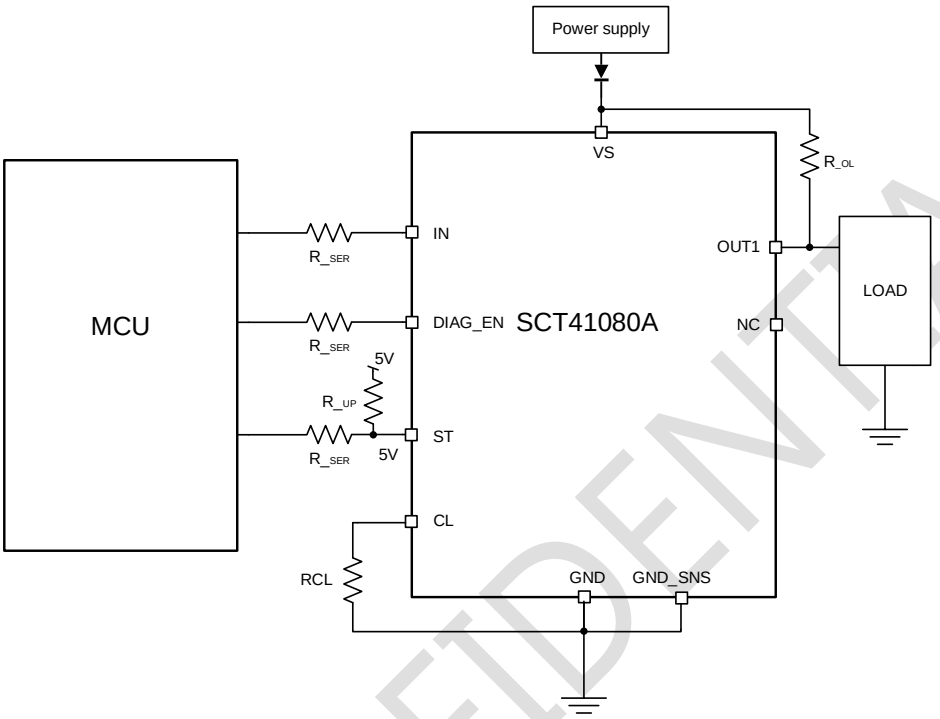
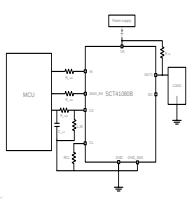


Figure 17. Version A Application Schematic

Input Voltage	13.5V Normal 8V to 18V
Load Current	Typical 4A
Current Limit	5A
MCU Voltage	5V

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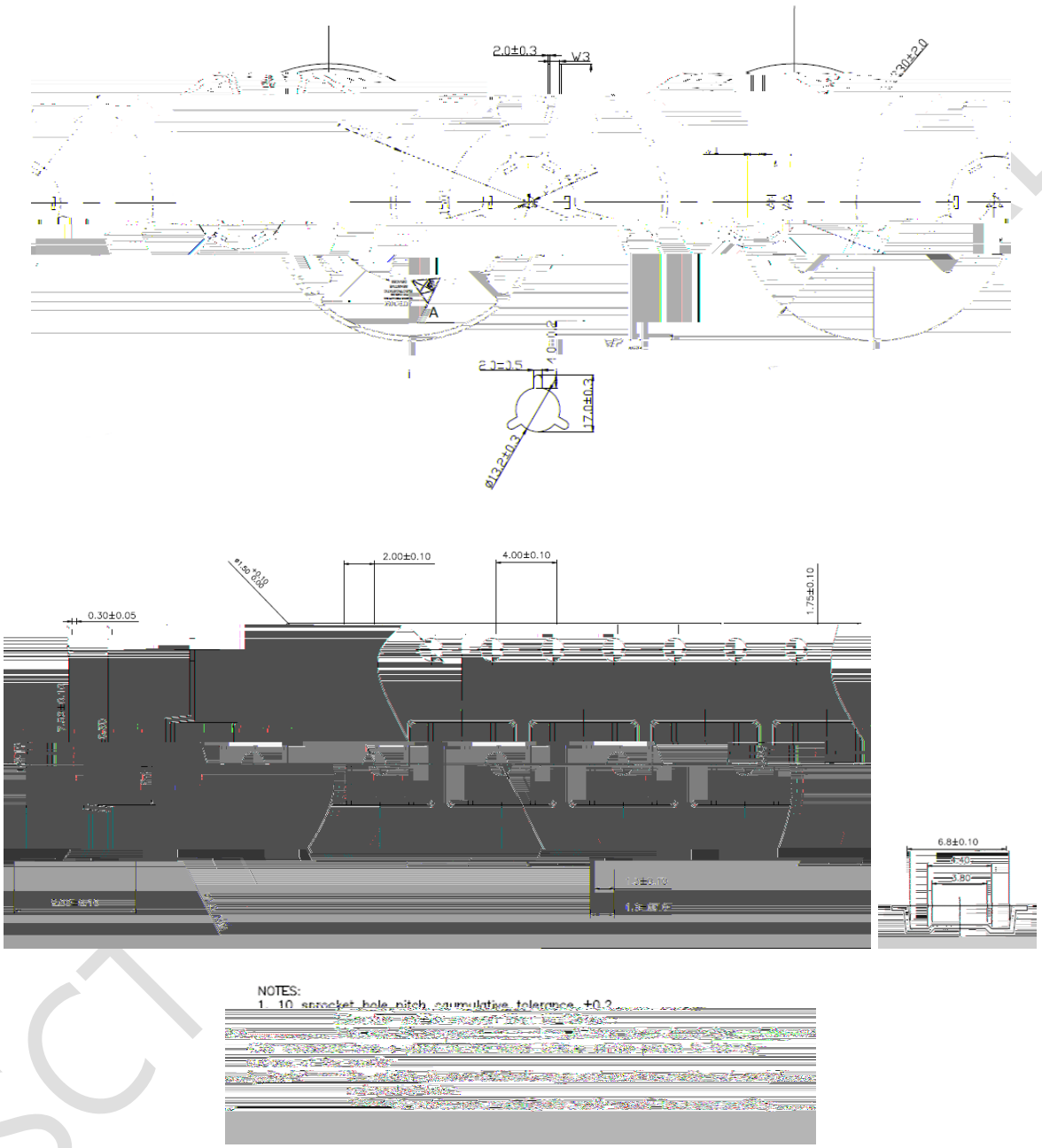
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Power supply
MCU
SCT4108DB
GND

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TAPE DIMENSIONS

W (mm)	ΦA (mm)	ΦN (mm)	W1 (mm)	W2(Max) (mm)	W3(Max) (mm)
16	330±2.0	100±1.0	16.4±0.5	22.4	15.9/19.4

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