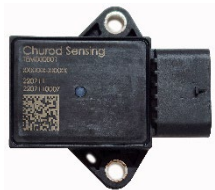# BPS Roadmap

Gen 1 BPS

- Protocol: *CAN/PWM/LIN*
- Power supply: 6~18V, 12V typ.
- Power consumption:
  - <35mA @ high power operating
  - <0.2mA @ BMS sleep mode
- Working temperature: -40~125degC
- Pressure range:
  - 50~165KPaA
  - Providing customization
- Accuracy:
  - ±1% FS @ 0 ~ 100degC
  - ±2% FS @ -40 & 125degC
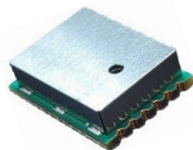- Automotive grade electronics w/ MCU
- BMS Wakeup & Sensor status warning

Schedule

- In Production

Gen 2 BPS

- Protocol: *UART/IIC*
- Power supply: 3~5.5V
- Power consumption:
  - <7mA @ high power operating
  - <0.06mA @ BMS sleep mode
- Pressure range:
  - 50~165KpaA
  - Providing customization
- Accuracy:
  - ±1% FS @ 0 ~ 100degC
  - ±2% FS @ -40 & 125degC
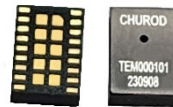- **State machine and software algorithm can be transferred directly from Gen 1 product**

Schedule

- 2022. 10 → B Sample
- 2023. 6 → C Sample
- 2023. 10 → SOP

Gen 3 BPS

- *Protocol: UART*
- Power supply: 3.3V
- Power consumption:
  - <7mA @ high power operating
  - <0.06mA @ BMS sleep mode
- ASIL C (TBD)
- **State machine and software algorithm can be transferred directly from Gen 1 & Gen 2 product**

Schedule

- 2023. 6 → B Sample
- 2023. 12 → C Sample
- 2024. 3 → SOP