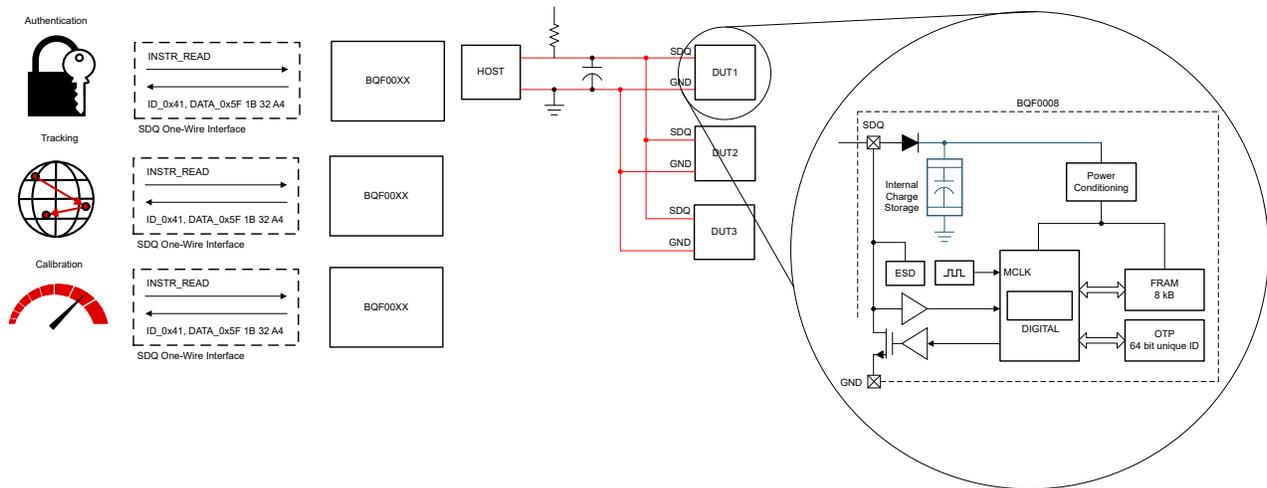


Nick Zahabizadeh



Operation of a Single vs Multiple BQF00XX Devices

Design Considerations:

- BQF family of devices enable authentication for disposable identification-sensitive use-cases.
- 64-bit one-time programmable (OTP) ID can be used as storage for calibration data, date, or security-related information.
- Very little standby power is required for data integrity.
- Multiple pages allow different programming schema for different use-cases.
- Multi-modal function for reading, writing, searching, matching data to page bank.
- High-speed, overdrive mode is available for faster data transfer.
- Multiple devices can be used at the same time for extended functionality.
- Need more assistance? Ask our engineers a question at [TI E2E™ design support forums](#).

Applications:

- Identification and lot tracing for inventory management
- Calibration data for medical or testing instrumentation
- Validation data for assenting device operation
- Security keys for information-sensitive systems

Features Devices

Capacity	BQF0008	BQF0020	BQF0064
		7.5 Kbit	20 Kbit
Memory technology	FRAM	FRAM	FRAM
Power-off and standby current	7 μ A	7 μ A	7 μ A
Interface	SDQ	SDQ	SDQ
Optimal temperature range (°C)	-10 – 85	-10 – 85	-10 – 85
Pin-to-pin compatible with packages	TO-92, TDFN	TO-92, TDFN	TO-92, TDFN

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