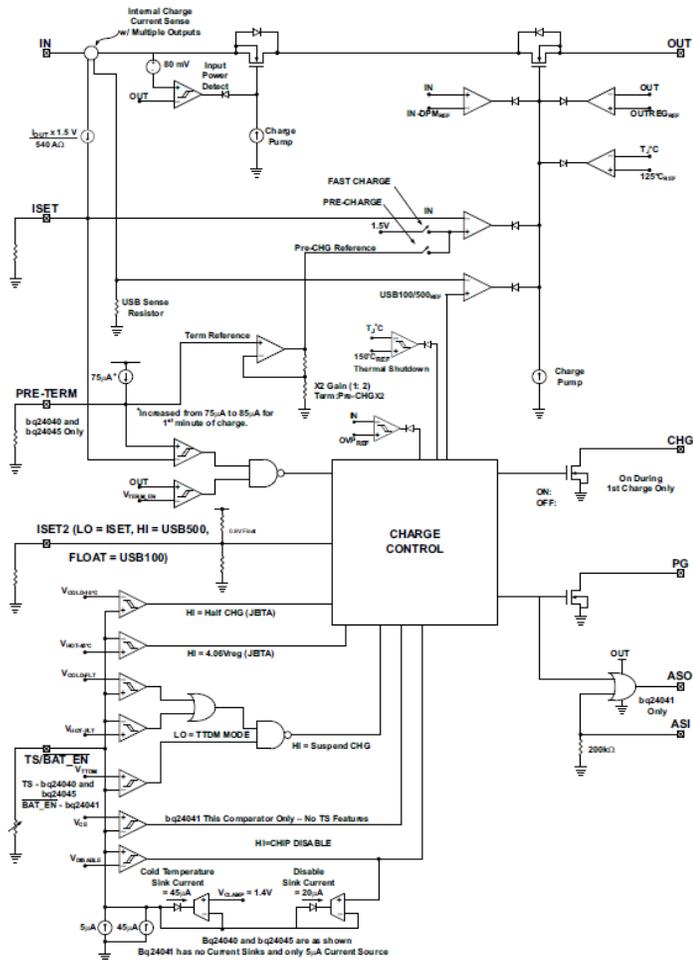


# FIT Rate

## BQ2404x

1A, Single-Input, Single Cell Li-Ion and Li-Pol Battery Charger With Auto Start

Functional Block Diagram



### Failure Rate Mission Profile (1)

Per 10<sup>9</sup> Hours (FIT)

Total FIT Rate

7

Die FIT Rate

5

Package FIT Rate

2

## **(1) Failure Rate, Mission Profile and Failure Mode Distribution**

The failure rate and mission profile information comes from the Reliability data handbook IEC TR 62380 using the reliability modeling for Integrated circuits.

Mission Profile Automotive Control IEC TR 62380

Power dissipation 250mW

Climate type: World-wide Table 8 IEC TR 62380

Package factor lambda 3 Table 17b IEC TR 62380

Substrate Material: FR4

EOS FIT rate assumed = 0

The failure rates listed reflect random failure events and do not include failures due to misuse or over stress.

BQ2404x are catalog product and not compliant to ISO-26262 standards.

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