

Assembly Challenges of Bottom **Terminated Components**

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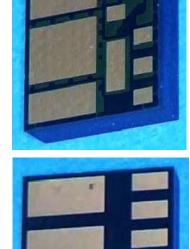
Flextronics International Milpitas, CA USA

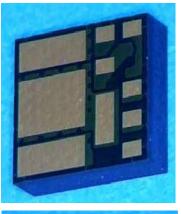


BTC Challenges

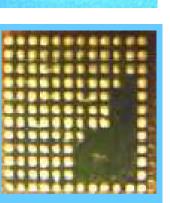
Design

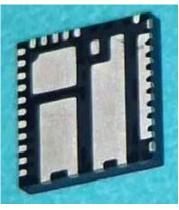
- Uniqueness and Variation
- Most BTC components are unique from supplier to supplier and have their own pad design

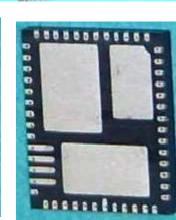


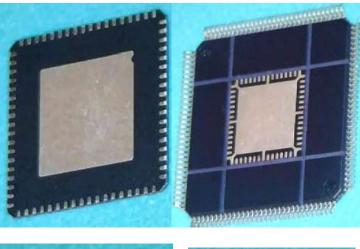














BTC Challenges

Assembly

Tight Process Control

- A correct amount of solder is critical to having a good solder joint's quality and reliability.
- Excessive or unevenly deposited paste volume may cause package to float. Too little solder volume may cause defects (open, voiding, etc...)

Quality Issue

• Bridging, open, voiding, and solder balling are common defects.

