



# 14 Channel Li-Ion Battery Cell Controller IC ASIL D

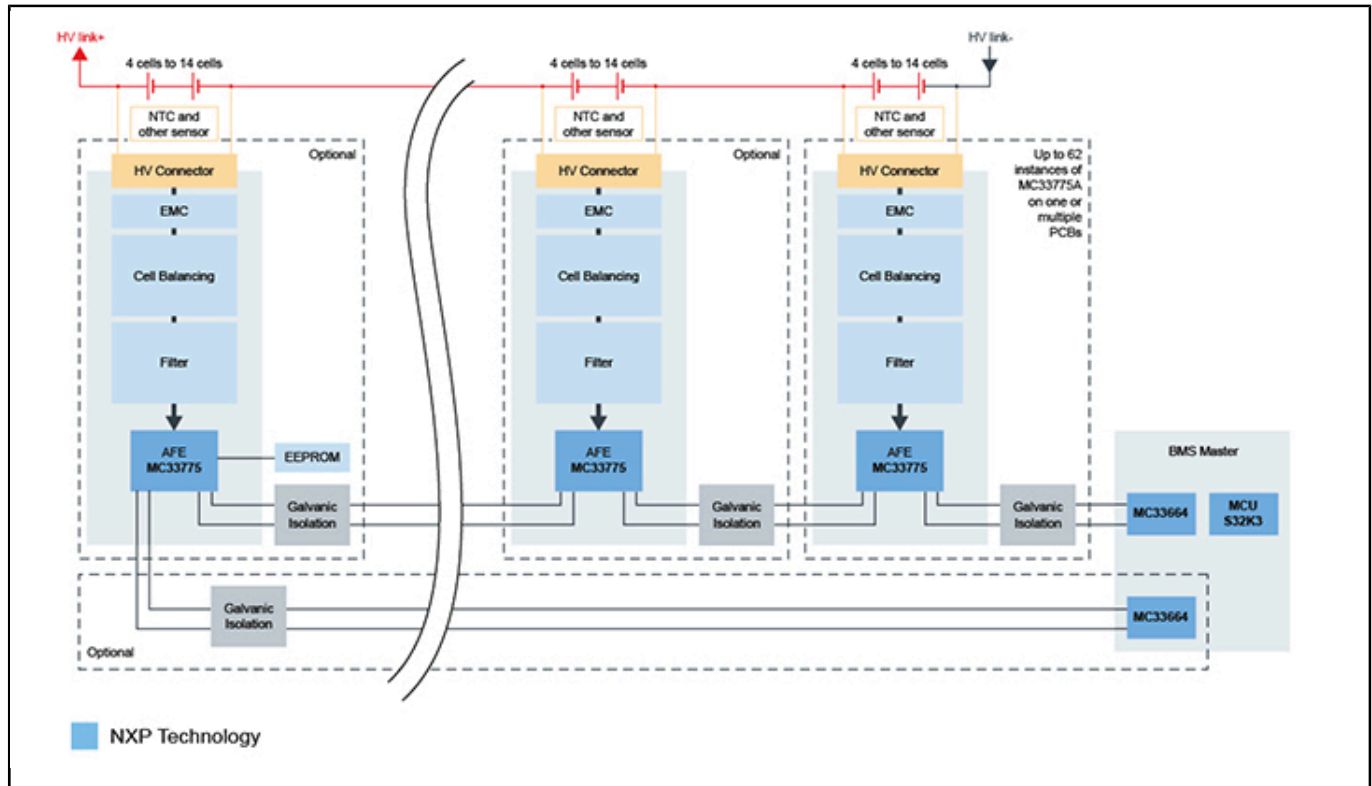
## MC33775

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The MC33775A is 14 cell lithium-ion battery cell controller IC designed for automotive applications, such as hybrid and electric vehicle (HEV/EV) and industrial applications, such as energy storage system (ESS).

The device measures differential high-precision cell voltages as well as temperatures. It offers ASIL D support for cell voltage, module voltage and temperature measurements. Additionally, the device provides an extensive set of passive cell voltage balancing features to equalize the individual cell voltages across the battery stack. The device offers serial peripheral interface (SPI) and an isolated daisy chain interface for communication with the host MCU.

# MC33775 Block Diagram Block Diagram



View additional information for [14 Channel Li-Ion Battery Cell Controller IC ASIL D](#).

Note: The information on this document is subject to change without notice.

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