BESS1500 Cell Monitoring Unit (CMU) with 3x 18S Capability

RDBESS774A3EVB

Active

Last Updated: Sep 2, 2026

Available to selected customers only (non-disclosure agreement (NDA) required), please contact support or your local sales representative for more information.

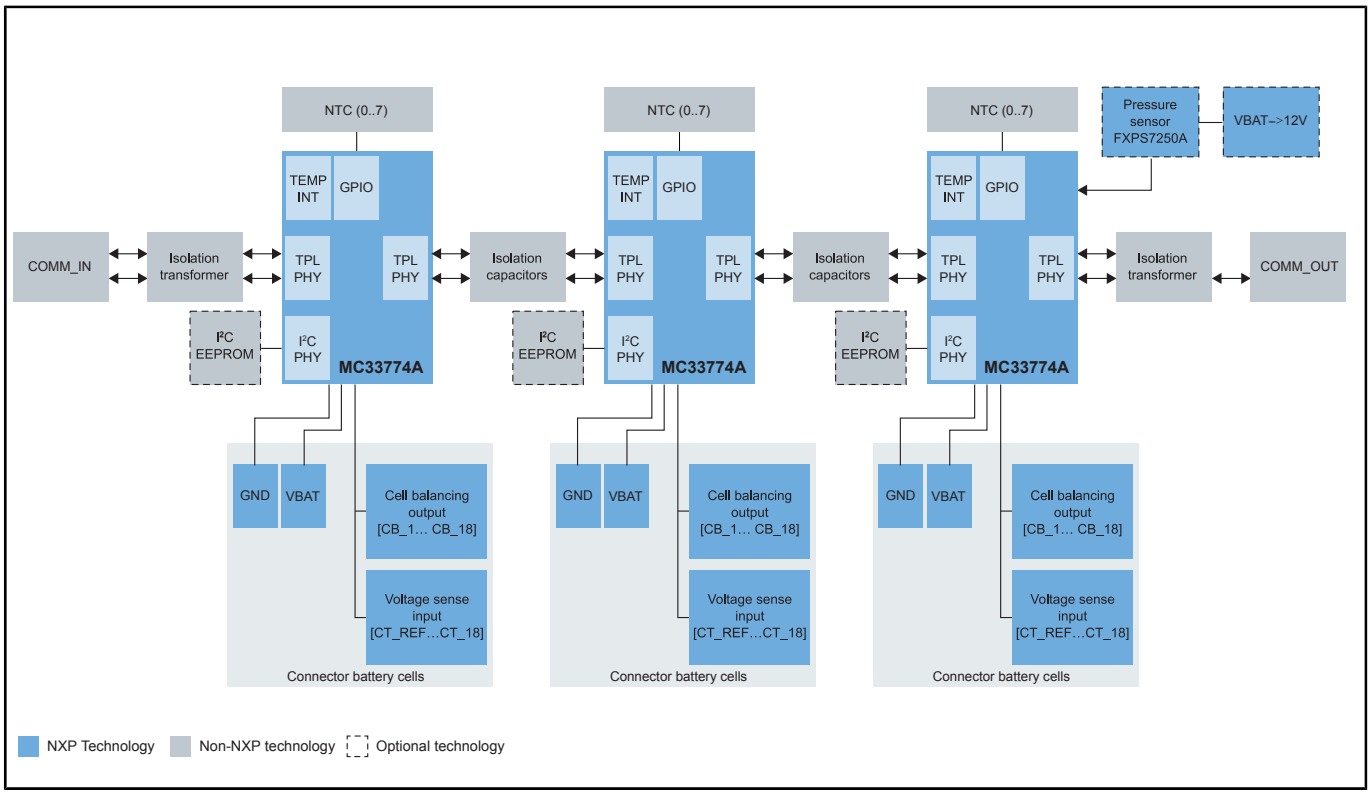
The CMU3 - RDBESS774A3EVB is a battery cell monitoring unit (CMU) reference design with electrical transport protocol link (ETPL) communication interface towards a BMU. It is ideal for rapid prototyping of a high-voltage battery energy storage system (BESS) hardware and software. This board contains three MC33774A analog front ends (AFEs) in a daisy chain.

It can be used to monitor a battery module with up to 54 cells.

There are in total 27 GPIO/Analog measurement inputs for temperature or other measurements.

This board is part of the RD-BESS1500BUN reference design bundle.

CMU3 - RDBESS774A3EVB Block Diagram



View additional information for BESS1500 Cell Monitoring Unit (CMU) with 3x 18S Capability.

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