"ML5232" is lithium-ion battery secondary protection LSI which supports 14-series cells.
It's used as the secondary protection when the primary protection LSI system mounted in the lithium-ion battery monitoring system does not work due to a failure.
It's equipped with output pins that block the two charging paths, it makes the system more highly reliable.

Supports 14-Series Cells
Can replace multiple conventional secondary protection LSIs that support only 4 or 5 cells in series with one ML5232. contributes to system miniaturization.

Variety of overvoltage thresholds and detection delays can be redefined
Overvoltage detection threshold, Overvoltage release threshold, Overvoltage detection delay time and Overvoltage release delay are defined by Mask option.

Low current consumption
Secondary protection LSI needs low current consumption because always-on.
- Normal operation state : 2.5μA(Typ.)
- Overvoltage state : 4.5μA(Typ.)

Dual overvoltage alarm outputs
2 output pins (Nch open drain + CMOS) are included that block charging paths.

Overvoltage detection and release delays can be reduced to 0.1 sec
Overvoltage detection and release delays are reduced to 0.1 sec in the customer test mode.