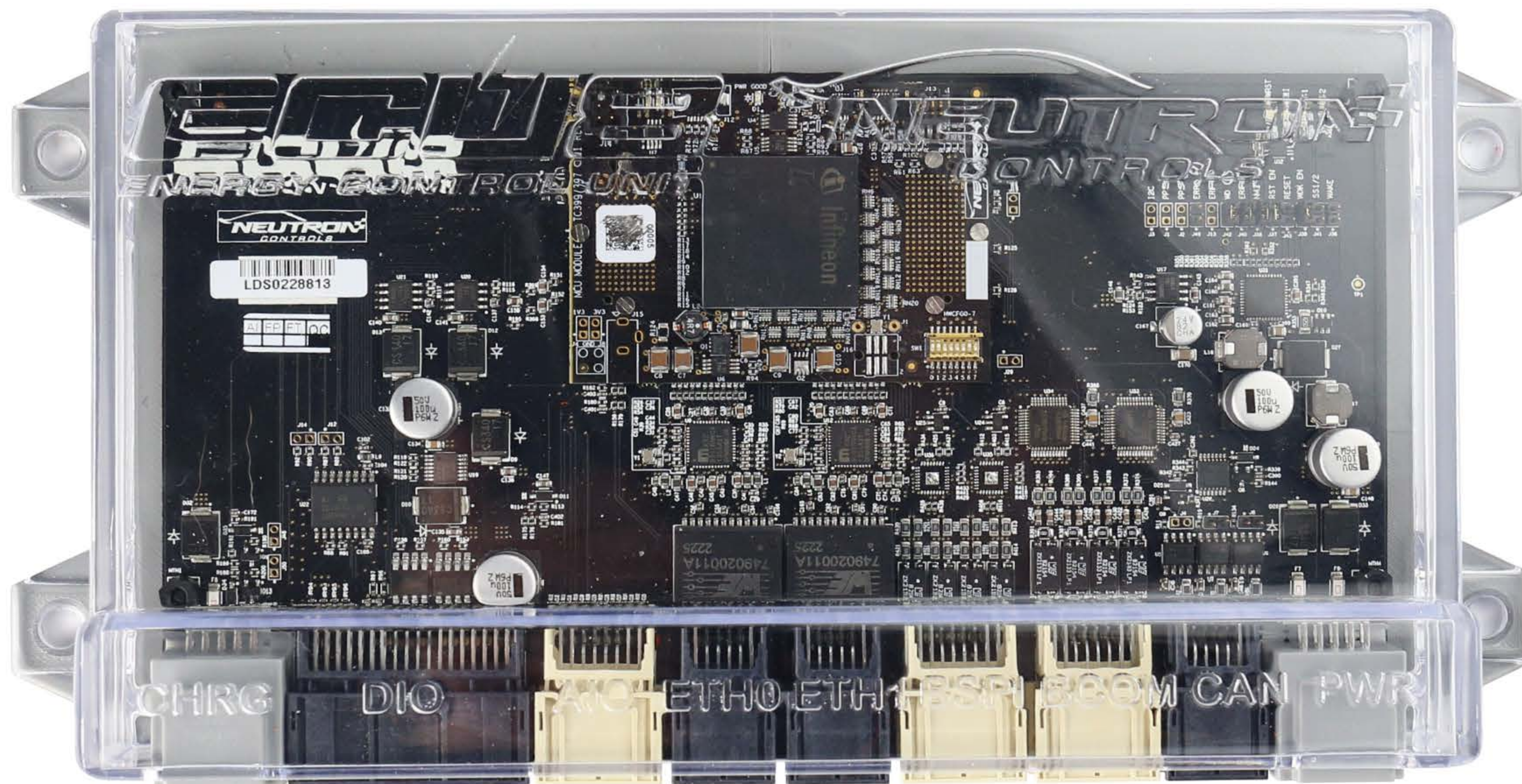


# ECU8<sup>TM</sup>

## ENERGY CONTROL UNIT

Revolutionize your path to electrification with Neutron Controls' groundbreaking ECU8<sup>TM</sup>. Our customizable Energy Control Unit is engineered for next-generation battery systems, offering rapid development, innovative design, and functional safety compliance.



### OWN YOUR FUTURE

Fast-track development and own your design with our royalty-free IP policy, unlocking endless possibilities.



### FAST-TRACK DESIGN

Launch development today with our customizable BMS platform, your springboard for efficient, application-specific battery solutions.



### SAFETY BUILT-IN

Engineered for ISO 26262 & 21434 compliance, our system delivers unparalleled safety and cybersecurity, giving you peace of mind.



### BATTERY CHEMISTRY AGNOSTIC

Our unit seamlessly integrates with diverse battery chemistries, like lithium-ion, fuel cell and solid-state, offering unparalleled flexibility and compatibility.

# NEUTRON

## CONTROLS



1145 Innovation Drive, Suite 101,  
Ottawa, Ontario, Canada K2K 3G6

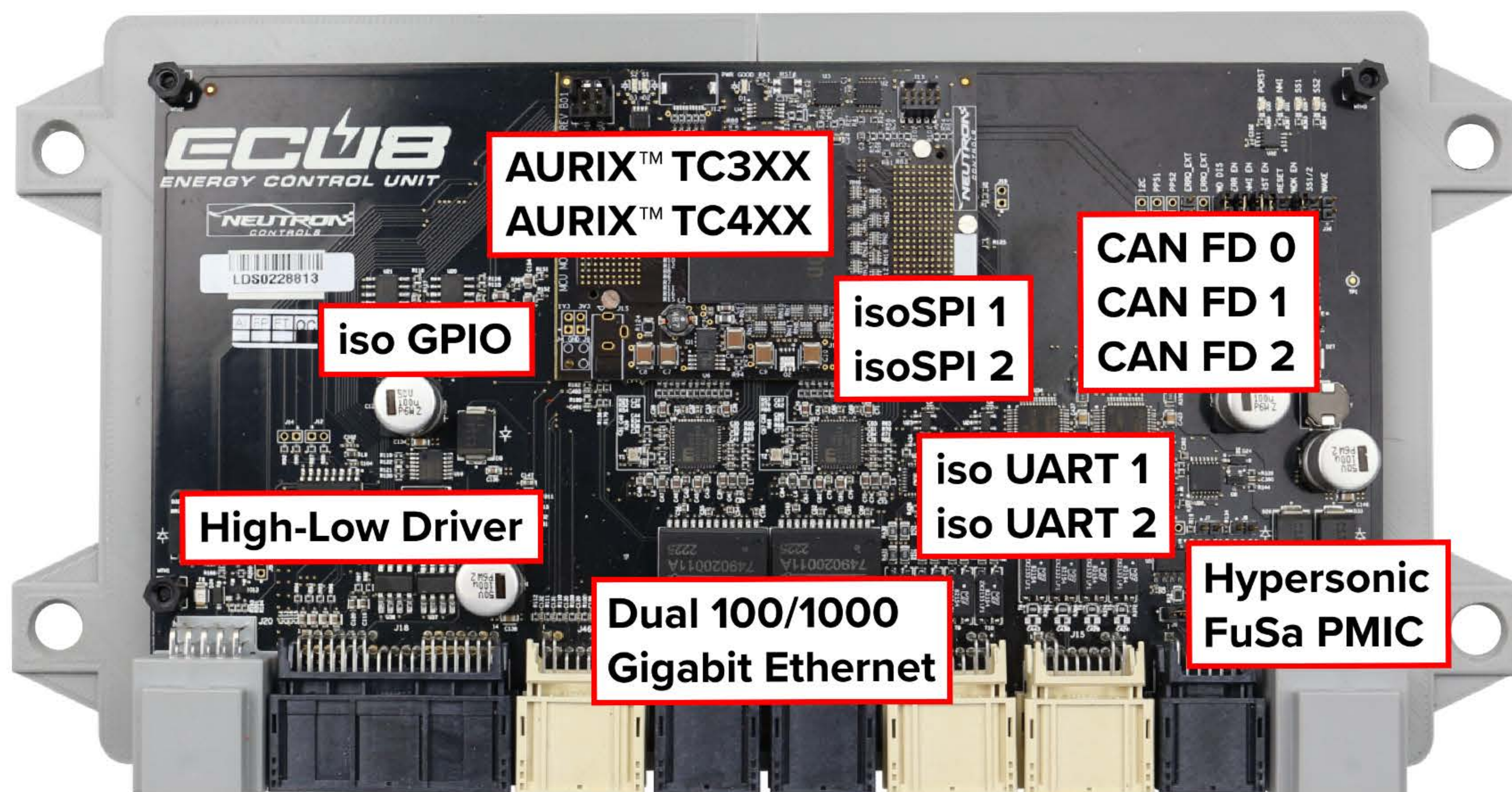
[www.neutroncontrols.com](http://www.neutroncontrols.com)  
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infineon

### INFINEON'S PREFERRED DESIGN HOUSE

As an Infineon Preferred Design House for North America, Neutron Controls stands at the forefront of innovation, supporting Infineon customers in realizing their design ambitions.





ECU8™ is an AURIX™ based ECU Prototype platform that allows for rapid software development. This ECU design can be modified and customised to meet YOUR production requirements.

## SPECIFICATIONS

### ASIL D ISO26262 BASED DESIGN

AURIX™ TC4xx/TC3xx Module  
TLF35584/85 Hypersonic™ PMIC  
TLE9015 Dual ISO UART Transceiver  
TLE9018/TLE9012 ISO UART Battery Interface Card

### FLEXIBLE INTEGRATION

Multiple Management Interfaces  
Dual iso UART for Ring Mode  
Dual isoSPI for Ring Mode  
Dual Ethernet Ports  
Triple CAN FD Ports  
High Side/ Low Side Drivers for Contactors

### FLEXIBLE BATTERY MANAGEMENT

Lithium-Ion Cells & Fuel Cells  
Up to 1200V  
Up to 24 Cells per Module  
Up to 20 Modules

GET IN TOUCH WITH US TODAY!



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