

# Automotive USB-C/PD 3.0 PPS Solution with NCV81599 and FUSB3307 for 60W

## Innovation

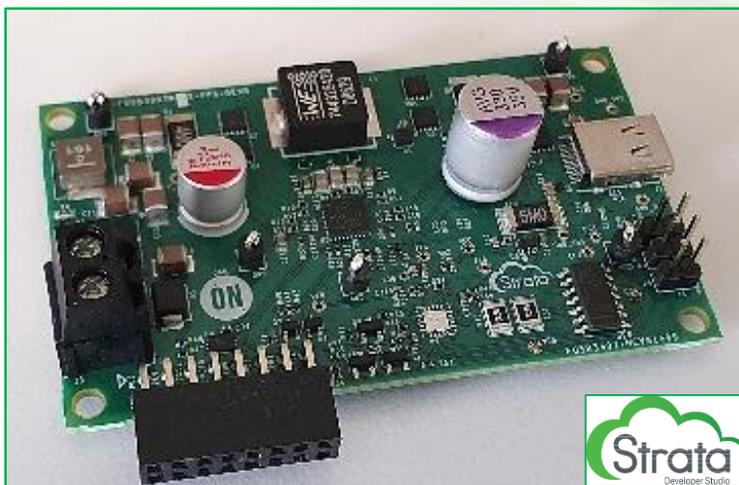
- Automotive USB Type-C Power Delivery (PD) source (DFP) solution implemented with NCV81599 buck-boost controller and FUSB3307, highly integrated synchronous charging controller
- USB-C fully compliant r.14 and PD 3.0. and Programmable Power Supply (PPS) feature included.

## Value Advantage

- ✓ Wide input voltage spanning from 4.5V to 32V
- ✓ Extended output voltage range from 3.3V to 21V
- ✓ Detects Cable Marker Identity and offers 3A or 5A Power Objects
- ✓ VCONN supply feature
- ✓ Very compact and tuned for 60W (devices are 100W capable)
- ✓ Control loop for Constant Voltage (CV) / Constant Current (CC) regulation
- ✓ Complete series of Diagnostics and Protections like OVP, UV, OVC, TEMP
- ✓ Possible to connect to STRATA system to speed up design time

## Current Proposition

- NCV81599 - USB Power Delivery 4-Switch Buck Boost Controller
- FUSB3307 - USB Power Delivery 3.0 Adaptive Source Charging Controller
- All required BOM elements for a full USB-C/PD Automotive compliant solution



FUSB3307MX-PPS-GEVB

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