![Tessolve - A Hero Electronix Venture]

Tessolve's Automotive Expertise

V2X Modem IC, GPS Sensor Module

Car Access Security IC

Ultrasonic Sensor ASIC

Capacitive Sensor ASIC, Infotainement System, Driver Assistance SOM, LCB Back Lighting

Speed Sensor ASIC, Angular Rate Sensor ASIC

Tablet for Driver Assistance

Acceleration Sensor ASIC, DC to DC converter for ECU, 700V DC to DC converter for Hybrid Cars

Pressure Sensor ASIC, Gasoline. Common Rail Diesel injection Sensor ASIC

Radar
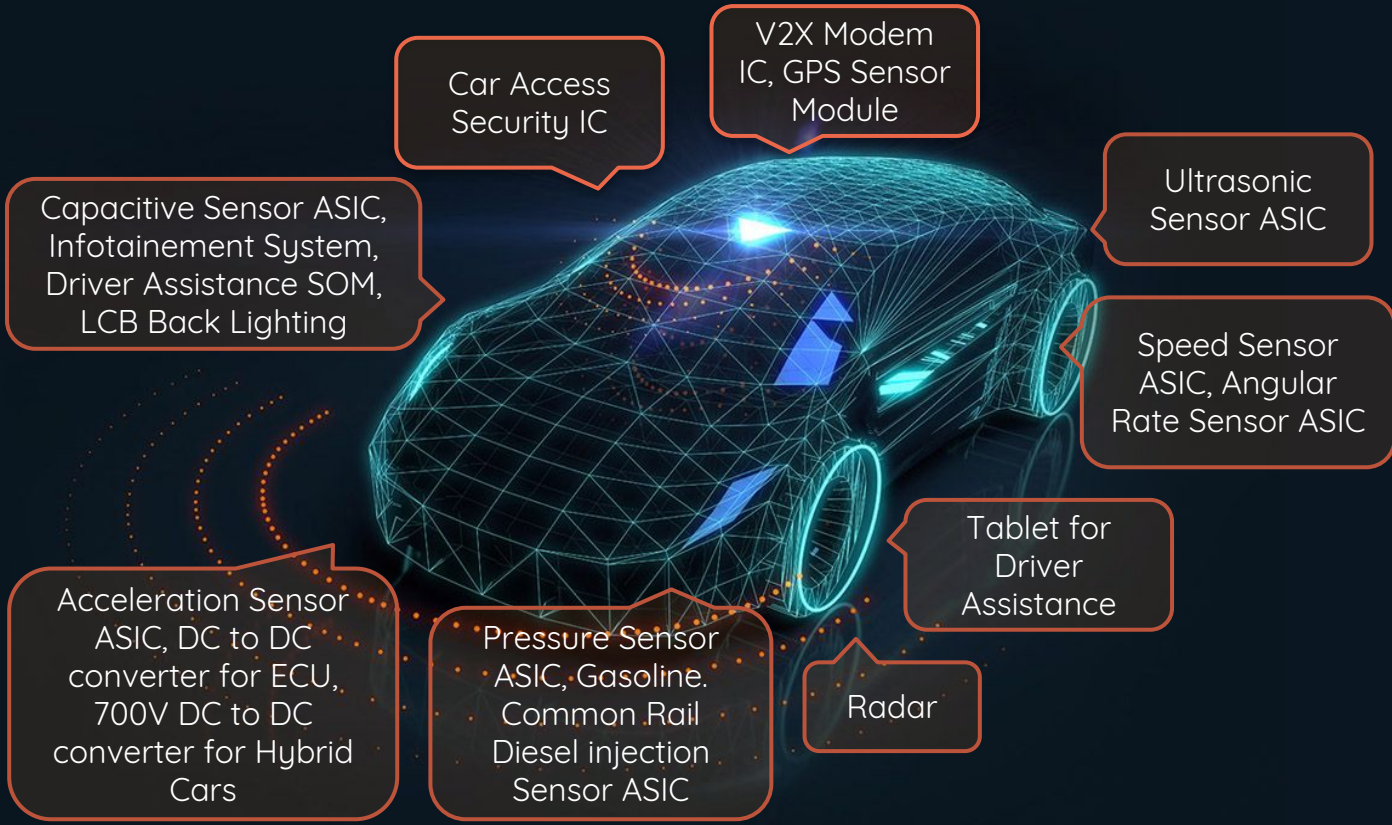
Tessolve in the Automotive Space

Chip Design

- DC-DC converter for ECU application
- LVDS transceiver for in-vehicle communications
- Converter for hybrid car applications
- Backlighting chip for car navigation
- SoC - 14nm

ATE Test Solutions

- ASIC Sensors
- Intelligent traffic systems
- V2X Modem
- UHF/ASK Transceiver
- Acceleration signal processing

PCB Solutions

- Design for : biometrics, acceleration, system boards, sensors
- Through : Catilever, Dual site, Quad site, Octal site, Hexa site ... up to 32 site
- Tri temperature testing

Embedded Solutions

- ADAS & Navigation System
- Connected Display
- Pedestrian detection system
- Tablet-driver assistance
- IoT based infotainment

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Embedded Automotive Solution Success Stories

Automotive display Panel

Infotainment System

Industrial Video Processing unit and Display :
- IP Camera input
- 7" Resistive touch
- 9-36V Automotive compliant

Key Technologies :
- Component : i.MX6
- Interfaces : Ethernet, Bus CAN, UART
- Wireless Connectivity
- Wi-fi, Bluetooth
- OS : Linux & QT
- H.264 low latency decoding, IP54 case

System Features :
- Qualcomm APQ8009 -> Quad core A7 CPU up to 1.3GHz
- 2GB RAM, 16GB eMMC
- 7" display with Capacitive Multi Touch
- Audio Amplifier, SD Card, USB 2.0
- Fingerprint Sensor Integrated
- 1080p Video Decode, MP3/AAC Audio Decode
- Android N (7.1)
- Car battery (12v) Operated with Load Dump Protection
- Wireless Connectivity: 4G LTE, GPS, Wi-Fi 802.11 b:g:n (Multi SSID Support), BLE 4.1, RM Radio

QUALITY MANAGEMENT PRINCIPLES

- CUSTOMER FOCUS
- LEADERSHIP
- ENGAGEMENT OF PEOPLE
- PROCESS APPROACH
- IMPROVEMENT
- EVIDENCE BASED DECISION MAKING
- RELATIONSHIP MANAGEMENT