



SKYWORKS®

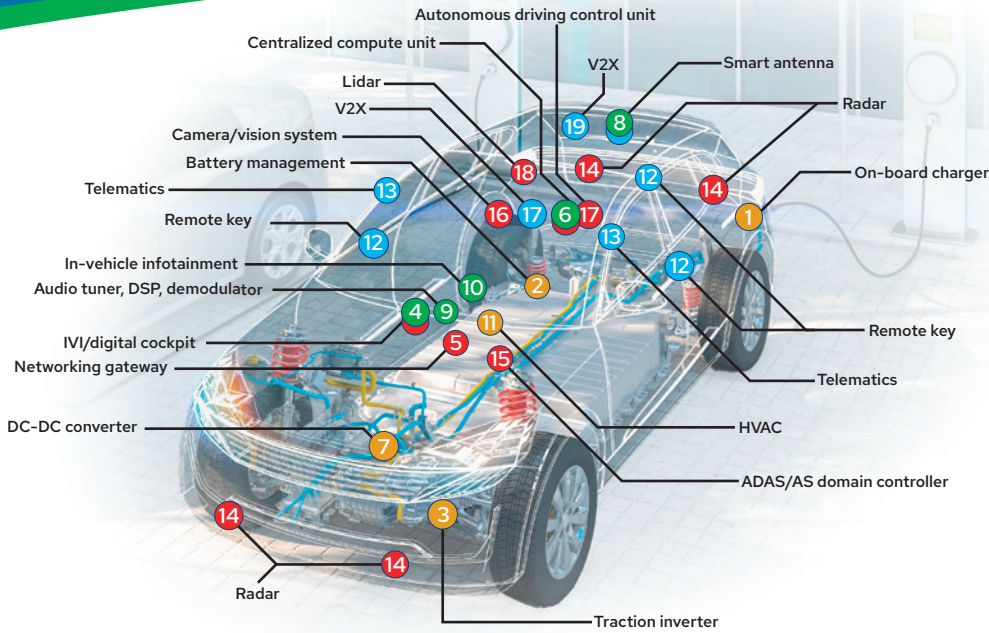
Enhance Automotive Safety, Convenience, and Efficiency

Multi-function, multi-chip modules and solutions from Skyworks reduce part count and simplify essential circuits in a wide variety of applications. From RF front-end modules for diversity receivers and navigation, and reference clocks for central computers, to isolated gate drivers, amplifiers and data transceivers for power management and traction controls, the solutions are available in various packages and qualifications.

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SKYWORKS®



- Power
- RF
- Timing
- Audio/Broadcast

Ref	Function	Product Type	Typical Part Numbers
Powertrain			
1	On-board charger	Digital isolators, isolated amplifiers	Si892x/3x/4x
2	Battery management	Digital isolators, isolated amplifiers	Si892x/3x/4x
3	Traction inverter	Isolated gate drivers, digital isolators, isolated amplifiers	XM3 Si828x GDB (Wolfspeed), Si893x
Vehicle Management			
4	IVI/digital cockpit	Automotive PCI Express (PCIe) clock buffers, clock generators, automotive tuners	Si53258/4, Si5332A-D-AM1/2/3, Si46xx, Si479xx
5	Networking gateway	Automotive PCI Express (PCIe) clock buffers, clock generators, automotive tuners	Si53258/4, Si5332A-D-AM1/2/3
6	Centralized compute unit	Automotive PCI Express (PCIe) clock buffers, clock generators, automotive tuners	Si53258/4, Si5332A-D-AM1/2/3, Si46xx, Si479xx
7	DC-DC converter	Digital isolators, isolated amplifiers	Si892x/3x/4x
Infotainment			
8	Smart antenna	Automotive tuners, RF front-end modules, low noise amplifiers, GPS/GNSS	Si46xx, Si479xx, SKY5A2105, SKY5A108, SKY5A5109, SKY5A5110
9	Audio tuner, DSP, demodulator	USB drivers, automotive tuners	Si46xx and Si479xx
10	In-vehicle infotainment	USB drivers, automotive tuners	Si46xx, Si479xx
Driver Convenience			
11	HVAC	Digital isolators, isolated amplifiers	Si892x/3x/4x
12	Remote key	Switches	SKY5A1007, SKY5A21001, SKY5A21003
13	Telematics	Power amplifiers, PAs with integrated filters	SKY5A3000, SKY5A3001
Autonomous Driving			
14	Radar	Automotive PCI Express (PCIe) clock buffers, clock generators	Si53258/4, Si5332A-D-AM1/2/3
15	ADAS/AS domain controller		
16	Camera/vision system		
17	Autonomous driving control unit		
18	Lidar		
19	V2X	RF front-end modules	SKY5A2105