

Global Automotive Microcontrollers Market Size study with COVID-19 impact, by Application (Advanced Driver Assistance System, Parking Assist System, Brake control system, Airbags, Functional Safety Technology, Transmission control and Others), by Materials (Tinned steel, Nickel-Cobalt Ferrous Alloy and Copper Alloy) and Regional Forecasts 2020-2027

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Abstracts

Global Automotive Microcontrollers Market is valued approximately USD 808 Billion in 2019 and is anticipated to grow with a healthy growth rate of more than 6.9% over the forecast period 2020-2027. The automotive microcontrollers are referred as an integrated chip which designed to control the functioning of automobiles. It is a single chip which consist of ROM, RAM, timer, interrupt schedule circuits, serial and parallel interface. The microcontrollers are used in small systems that have least component design in a vehicle to control and monitor such systems. The devices in which automotive microcontrollers are used includes remote control system, operating system, automobile air bag system, and automobile audio system. The global pandemic of COVID-19 adversely affected the growth of market with governments instruction regarding lockdown. Many automakers faced slow down in demand and supply of automotive parts in various regions including China, Europe, and the United States have delayed processes in manufacturing plants. The global rise in production of electric vehicle across the globe is expected to create a lucrative thrust to the market growth over the forecast years due to the installation of various small electronic systems and components such as remote- control systems & operating system etc. in the vehicles needs automotive microcontrollers to monitor and control systems. For instance: According to the International Energy Agency (IEA) 2019, the global electric car deployment has been growing rapidly over the past ten years, the global stock of



electric passenger vehicle cars was passed by 5 million in 2018 with an increase of 63% from 2017. It was found that over 45% of electric cars on China's road in 2018 that is 2.3 million compared to 39% in 2017. Similarly, Europe accounts for 24% of global electric cars and United States with 22% in 2018. In addition, trimming down of fuel consumption and emission is the factor driving the growth of market over the forecast years. However, operational failure in extreme conditions is are the factor hampering the market growth over the forecast years.

The regional analysis of global Automotive Microcontrollers Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rise in modernization of vehicle in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as rapid growth in electric vehicle and automotive industries would create lucrative growth prospects for the Automotive Microcontrollers Market across Asia-Pacific region.

Major market player included in this report are:

Texas Instruments Microchip company Silicon Labs Renesas Technology Corp Intel corporation Dallas Semiconductor Fujitsu Semiconductor Europe ST Microel- electronics ZiLog Company Freescale Semiconductor Company

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Application offerings of key players. The detailed segments and sub-segment of the market are explained below:



By Application: Advanced Driver Assistance System Parking Assist System Brake control system Airbags Functional Safety Technology Transmission control Others

By Materials: Tinned steel Nickel-Cobalt Ferrous Alloy Copper Alloy

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific China India Japan Australia South Korea RoAPAC Latin America Brazil Mexico

Rest of the World



Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018 Base year – 2019 Forecast period – 2020 to 2027

Target Audience of the Global Automotive Microcontrollers Market in Market Study:

Key Consulting Companies & Advisors Large, medium-sized, and small enterprises Venture capitalists Value-Added Resellers (VARs) Third-party knowledge providers Investment bankers Investors



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COMPANIES MENTIONED

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