Asia Pacific Current Sense Amplifier Market Forecast to 2030 - COVID-19 Impact and Regional Analysis - by Sensing Type (High-side Sensing and Low-side Sensing), Current Direction (Unidirectional and Bidirectional), and End User (Electronics, Automotive, Telecommunications, Industrial, and Others)

Market Report | 2023-08-29 | 147 pages | The Insight Partners

AVAILABLE LICENSES:

- Single User Price $3000.00
- Site Price $4000.00
- Enterprise Price $5000.00

Report description:

The Asia Pacific current sense amplifier market is expected to grow from US$ 1,523.52 million in 2023 to US$ 2,664.48 million by 2030. It is estimated to grow at a CAGR of 8.3% from 2023 to 2030.

Growing use of Current Sensing Amplifiers in Telecommunication Infrastructure Drive Asia Pacific Current Sense Amplifier Market

The rising demand for strong connectivity across the world fuels the need for advanced telecommunication infrastructure. As telecom infrastructure serves as the foundation for modern digital economies, there is a growing need for its development. A strong telecom infrastructure can help governments of different countries at national and international levels to achieve economic growth, digital inclusion, social mobility, and environmental objectives. Thus, the demand for 5G is increasing worldwide for strong connectivity. According to GSMA, in 2022, there was 17% of 5G penetration across the world, which is expected to reach 54% by 2030. Similarly, in 2022, Asia Pacific (except China) and Europe recorded 4% and 11% of 5G penetration, which is expected to reach 41% and 87% by 2030, respectively. As 5G is the critical new-generation network technology that can enable innovation and support digital transformation, its demand is increasing across the world. Therefore, the governments of various countries are investing in 5G infrastructure. Similarly, in January 2021, the government of South Korea announced that they would increase the coverage of the next-generation mobile networks, particularly 5G, to 85 cities this year from the current seven major cities. It invested around US$ 115.89 million (127.9 billion won) in 2021 to encourage the use of private 5G networks. Thus, such growing investments in 5G infrastructure raise the demand for current sensing amplifiers as it is used in telecom infrastructure equipment such as networking devices, modems, routers, and others, where there is a need for current monitoring and current control loops.

Thus, the growing telecom infrastructure is fueling the growth of the Asia Pacific current sense amplifier market .

Asia Pacific Current Sense Amplifier Market Overview

The Asia Pacific current sense amplifier market in APAC is segmented into China, India, Japan, Australia, South Korea, and the Rest of APAC. The region is one of the largest producers of electronic devices. The current sense amplifiers are used in electronic devices to manage power flow. According to GSMA, the smartphone adoption rate in APAC (except China) reached 76% in 2022, which is expected to increase to 94% by 2030. Also, the smartphone adoption rate in China was 81% in 2022 and is estimated to reach 93% by 2030. Thus, the growing demand for smartphones, tablets, PCs, laptops, and other consumer electronics in Asian countries is boosting the growth of the Asia Pacific current sense amplifier market in the region.

In Asia Pacific, China is the largest manufacturer of consumer electronic devices. In January 2021, the Chinese government announced its plans to expand its domestic electronic market by investing US$ 327 billion till 2023. Due to this investment, manufacturers can provide components, materials, and other manufacturing equipment required at connected factories, high-speed rail, and aerospace industries, as well as for the production of smartphones, drones, electric vehicles, and robotics. Similarly, the Indian government is also working on expanding the electronics market in the country. According to Invest India, in 2022, the electronics market in India was valued at US$ 140 billion. Furthermore, domestic electronic production increased to US$ 87 billion in 2022, registering a CAGR of 15%; it is expected to reach US$ 300 billion by 2026. Also, in 2022, the export of electronic goods from India has reached US$ 15 billion, recording a CAGR of 22%, and it is expected to reach US$ 120 billion by 2026. Thus, the growing electronic production in the region is expected to raise the demand for current sense amplifiers, further fueling the growth of the Asia Pacific current sense amplifier market.

Asia Pacific Current Sense Amplifier Market Revenue and Forecast to 2030 (US$ Million)

Asia Pacific Current Sense Amplifier Market Segmentation

The Asia Pacific current sense amplifier market is segmented into sensing type, current direction, end user, and country.

Based on sensing type, the Asia Pacific current sense amplifier market is bifurcated into high-side sensing and low-side sensing. In 2023, the high-side sensing segment registered a larger share in the Asia Pacific current sense amplifier market.

Based on current direction, the Asia Pacific current sense amplifier market is bifurcated into unidirectional and bidirectional. In 2023, the bidirectional segment registered a larger share in the Asia Pacific current sense amplifier market.

Based on end-use, the Asia Pacific current sense amplifier market is segmented into electronics, automotive, telecommunications, industrial, and others. In 2023, the electronics segment registered the largest share in the Asia Pacific current sense amplifier market.

Based on country, the Asia Pacific current sense amplifier market is segmented into Taiwan, China, India, Japan, South Korea, and the Rest of Asia Pacific. In 2023, China segment registered the largest share in the Asia Pacific current sense amplifier market.

Analog Devices Inc; Microchip Technology Inc; Monolithic Power Systems Inc; On Semiconductor Corp; Renesas Electronics Corp; ROHM Co Ltd; Semtech Corp; SG Micro Corp; STMicroelectronics NV; and Texas Instruments Inc are the leading companies operating in the Asia Pacific current sense amplifier market.

Table of Contents:

TABLE OF CONTENTS

1. Introduction
1.1 Study Scope
1.2 The Insight Partners Research Report Guidance
1.3 Market Segmentation
2. Key Takeaways
3. Research Methodology
3.1 Coverage
3.2 Secondary Research
3.3 Primary Research
4. Asia Pacific Current Sense Amplifier Market Landscape
4.1 Market Overview
4.2 Asia Pacific PEST Analysis
4.3 Ecosystem Analysis
4.4 Expert Opinion
5. Asia Pacific Current Sense Amplifier Market- Key Market Dynamics
5.1 Market Drivers
5.1.1 Growing Consumer Electronics Industry
5.1.2 Growing use of Current Sensing Amplifiers in Telecommunication Infrastructure
5.2 Key Market Restraints
5.2.1 Shortage of Skilled Labors
5.3 Key Market Opportunities
5.3.1 Rising Demand for Current Sensing Amplifiers for Renewable Energy
5.4 Future Trends
5.4.1 Rising demand for Electric Vehicles
5.5 Impact Analysis of Drivers and Restraints
6. Current Sense Amplifier Market- Asia Pacific Market Analysis
6.1 Asia Pacific Current Sense Amplifier Market Global Overview
6.2 Asia Pacific Current Sense Amplifier Market Forecast and Analysis
7. Asia Pacific Current Sense Amplifier Market Revenue and Forecast to 2030 - Sensing Type
7.1 Overview
7.2 Asia Pacific Current Sense Amplifier Market, By Sensing Type (2022 and 2030)
7.3 High-side Sensing
7.3.1 Overview
7.3.2 High-side Sensing: Asia Pacific Current Sense Amplifier Market Revenue and Forecast To 2030 (US$ Million)
7.4 Low-side Sensing
7.4.1 Overview
7.4.2 Low-side Sensing: Asia Pacific Current Sense Amplifier Market Revenue and Forecast To 2030 (US$ Million)
8. Asia Pacific Current Sense Amplifier Market Revenue and Forecast to 2030 - Current Direction
8.1 Overview
8.2 Asia Pacific Current Sense Amplifier Market, By Current Direction (2022 and 2030)
8.3 Unidirectional
8.3.1 Overview
8.3.2 Unidirectional: Asia Pacific Current Sense Amplifier Market Revenue and Forecast To 2030 (US$ Million)
8.4 Bidirectional
8.4.1 Overview
8.4.2 Bidirectional: Asia Pacific Current Sense Amplifier Market Revenue and Forecast To 2030 (US$ Million)

9. Asia Pacific Current Sense Amplifier Market - By End User
9.1 Overview
9.2 Asia Pacific Current Sense Amplifier Market, by End User (2022 and 2030)
9.3 Electronics
9.3.1 Overview
9.3.2 Electronics: Asia Pacific Current Sense Amplifier Market - Revenue and Forecast to 2030 (US$ Million)
9.4 Automotive
9.4.1 Overview
9.4.2 Automotive: Asia Pacific Current Sense Amplifier Market - Revenue and Forecast to 2030 (US$ Million)
9.5 Telecommunications
9.5.1 Overview
9.5.2 Telecommunications: Asia Pacific Current Sense Amplifier Market - Revenue and Forecast to 2030 (US$ Million)
9.6 Industrial
9.6.1 Overview
9.6.2 Industrial: Asia Pacific Current Sense Amplifier Market - Revenue and Forecast to 2030 (US$ Million)
9.7 Others
9.7.1 Overview
9.7.2 Others: Asia Pacific Current Sense Amplifier Market - Revenue and Forecast to 2030 (US$ Million)
10. Asia Pacific Current Sense Amplifier Market- Country Analysis
10.1 Overview
10.1.1 Asia Pacific Current Sense Amplifier Market, by Key Country
10.1.1.1 Taiwan: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.1.1 Taiwan: Current Sense Amplifier Market, By Sensing Type
10.1.1.1.2 Taiwan: Current Sense Amplifier Market, By Current Direction
10.1.1.1.3 Taiwan: Current Sense Amplifier Market, By End User
10.1.1.2 China: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.2.1 China: Current Sense Amplifier Market, By Sensing Type
10.1.1.2.2 China: Current Sense Amplifier Market, By Current Direction
10.1.1.2.3 China: Current Sense Amplifier Market, By End User
10.1.1.3 India: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.3.1 India: Current Sense Amplifier Market, By Sensing Type
10.1.1.3.2 India: Current Sense Amplifier Market, By Current Direction
10.1.1.3.3 India: Current Sense Amplifier Market, By End User
10.1.1.4 Japan: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.4.1 Japan: Current Sense Amplifier Market, By Sensing Type
10.1.1.4.2 Japan: Current Sense Amplifier Market, By Current Direction
10.1.1.4.3 Japan: Current Sense Amplifier Market, By End User
10.1.1.5 South Korea: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.5.1 South Korea: Current Sense Amplifier Market, By Sensing Type
10.1.1.5.2 South Korea: Current Sense Amplifier Market, By Current Direction
10.1.1.5.3 South Korea: Current Sense Amplifier Market, By End User
10.1.1.6 Rest of APAC: Current Sense Amplifier Market- Revenue and Forecast to 2030 (US$ Million)
10.1.1.6.1 Rest of APAC: Current Sense Amplifier Market, By Sensing Type
10.1.1.6.2 Rest of APAC: Current Sense Amplifier Market, By Current Direction
10.1.1.6.3 Rest of APAC: Current Sense Amplifier Market, By End User
11. Industry Landscape
11.1 Overview

11.2 Market Initiative
11.3 Product Development
12. Company Profiles
12.1 Analog Devices Inc
12.1.1 Key Facts
12.1.2 Business Description
12.1.3 Products and Services
12.1.4 Financial Overview
12.1.5 SWOT Analysis
12.1.6 Key Developments
12.2 Microchip Technology Inc
12.2.1 Key Facts
12.2.2 Business Description
12.2.3 Products and Services
12.2.4 Financial Overview
12.2.5 SWOT Analysis
12.2.6 Key Developments
12.3 SG Micro Corp
12.3.1 Key Facts
12.3.2 Business Description
12.3.3 Products and Services
12.3.4 Financial Overview
12.3.5 SWOT Analysis
12.3.6 Key Developments
12.4 Renesas Electronics Corp
12.4.1 Key Facts
12.4.2 Business Description
12.4.3 Products and Services
12.4.4 Financial Overview
12.4.5 SWOT Analysis
12.4.6 Key Developments
12.5 ROHM Co Ltd
12.5.1 Key Facts
12.5.2 Business Description
12.5.3 Products and Services
12.5.4 Financial Overview
12.5.5 SWOT Analysis
12.5.6 Key Developments
12.6 On Semiconductor Corp
12.6.1 Key Facts
12.6.2 Business Description
12.6.3 Products and Services
12.6.4 Financial Overview
12.6.5 SWOT Analysis
12.6.6 Key Developments
12.7 Monolithic Power Systems Inc
12.7.1 Key Facts

12.7.2 Business Description
12.7.3 Products and Services
12.7.4 Financial Overview
12.7.5 SWOT Analysis
12.7.6 Key Developments
12.8 Semtech Corp
12.8.1 Key Facts
12.8.2 Business Description
12.8.3 Products and Services
12.8.4 Financial Overview
12.8.5 SWOT Analysis
12.8.6 Key Developments
12.9 STMicroelectronics NV
12.9.1 Key Facts
12.9.2 Business Description
12.9.3 Products and Services
12.9.4 Financial Overview
12.9.5 SWOT Analysis
12.9.6 Key Developments
12.10 Texas Instruments Inc
12.10.1 Key Facts
12.10.2 Business Description
12.10.3 Products and Services
12.10.4 Financial Overview
12.10.5 SWOT Analysis
12.10.6 Key Developments
13. Appendix
13.1 About The Insight Partners
13.2 Word Index

SCOTTS INTERNATIONAL

Asia Pacific Current Sense Amplifier Market Forecast to 2030 - COVID-19 Impact and Regional Analysis - by Sensing Type (High-side Sensing and Low-side Sensing), Current Direction (Unidirectional and Bidirectional), and End User (Electronics, Automotive, Telecommunications, Industrial, and Others)

Market Report | 2023-08-29 | 147 pages | The Insight Partners

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User Price	$3000.00
	Site Price	$4000.00
	Enterprise Price	$5000.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	

Date	2026-03-11
Signature	