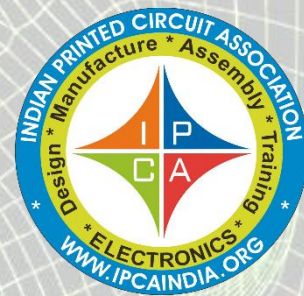


IPCA e-Newsletter

Vol.3



NOV 2024

INDUSTRY NEWS - GENERAL

Consumer Electronics

Samsung India posts slower revenue growth for FY2024; cost controls boost profit



Samsung India Electronics' sales growth slowed in 2023-24 despite the company crossing the Rs 1 lakh crore revenue mark, which industry executives said could have prompted lay-offs and belt tightening in the current fiscal year. Net profit of the local unit of the South Korean multinational, however, more than doubled to Rs 8,188 crore in FY24, a year when the market too had slowed down. This was driven by a reduction in expenses such as cost of materials consumed, purchases of stock in-trade. Samsung India Electronics' revenue grew by a mere 4% in FY24, reaching Rs 102,626 crore, marking its slowest growth in eight years. This slowdown, largely attributed to a stagnant smartphone market and heightened competition, is believed to be behind recent layoffs and cost-cutting measures.

Source: <https://economictimes.indiatimes.com/>, November 08, 2024

Telecom

Chipmakers, telcos clash over 6GHz band for Wi-Fi 7 rollout

Chipmakers like Qualcomm are pushing the Indian government to delicense a portion of the 6GHz spectrum band to support the latest Wi-Fi 7 technology. However, telecom operators are mounting a pushback seeking for the band to remain licensed and available for cellular connectivity. As a result, the Department of Telecommunications (DoT) has been putting off its decision on delicensing the band with telecom operators, broadband providers as well as the Indian Space Research Organization (ISRO) caught. Telecom operators argue it should remain licensed for cellular use. This disagreement has delayed the entry of Wi-Fi 7 devices in India. Despite this, manufacturers are launching Wi-Fi 7 products without 6GHz support, relying on existing 2.

Source: <https://economictimes.indiatimes.com/>, November 16, 2024

Reliance Asks Telecom Regulator to Review Reach of Starlink, Amazon: Report

Billionaire Mukesh Ambani's Reliance has asked the telecom regulator to review the potential reach of Elon Musk's Starlink and Amazon's Kuiper before awarding satellite spectrum amid concerns local players could suffer, a letter showed on Friday. Reliance's letter, which is not public, is Mr Ambani's last-ditch effort in an ongoing face-off with Mr Musk over how India should grant spectrum for satellite services. While Reliance has called for an auction, India has sided with Mr Musk who - in line with global trends - wanted an administrative allocation. In the letter, reviewed by Reuters, Reliance said it carried about 15 billion gigabyte of data every month in India after spending about \$23 billion on spectrum auctions over the years, but Starlink would target the same customers with a potential capacity of nearly 18 billion gigabytes of data via its satellites with a likely much lower outlay.

Source: <https://www.ndtv.com/>, November 15, 2024

EV's & Auto Electronics

Ola Electric Motorcycle Manufacturing to Begin Soon, Says CEO Bhavish Aggarwal

**OLA
ELECTRIC**

Following its August debut, Ola Electric's Roadster motorcycle is nearing production, with CEO Bhavish Aggarwal sharing updates about the company's progress. The flagship Roadster, along with three additional motorcycle models, represents Ola's bold entry into India's competitive electric motorcycle market. With production gearing up at its Future factory, Ola aims to make its Roadster line widely available and meet rising consumer demand in the EV space. The Roadster motorcycles will be produced at Ola's new Gigafactory, which is nearing operational status. The facility is expected to boost production significantly, enabling Ola to keep pace with demand while laying the groundwork for future expansion in the EV market. This factory represents a crucial element in Ola's strategic growth, allowing for quicker scalability across its electric two-wheeler range.

Source: By Pranali Naik, <https://e-vehicleinfo.com/>, November 17, 2024

India Will Become a Major Electric Vehicle Producer Like China: Mark Mobius

India, which began its electric vehicle (EV) journey with two-wheelers, is set to become a "major producer" of electric vehicles like China in years to come, ace global investor Mark Mobius has said. The EV sales have seen a record surge under the PM E-DRIVE scheme, reflecting the growing momentum of EV adoption. Through initiatives like the Electric Mobility Promotion Scheme (EMPS) and the PM E-DRIVE schemes, electric two-wheelers (e-2W) sales surged to 5,71,411 units in 2024-25. During the same period, sales of electric three-wheelers (e-3W), including e-rickshaws and e-carts, reached 1,164 units, while electric three-wheelers in the L5 category hit 71,501 units. Mobius told IANS that India is going to become a major producer of EVs sooner than expected. India started out with smaller EVs, but it will eventually become a major producer of electric vehicles. Since the domestic market is so huge, India doesn't have to export electric vehicles. They can easily produce huge numbers to supply the local market.

Source: <https://www.timesnownews.com/>, November 14, 2024

What Trump's Presidency Could Mean for Tesla and Other Electric Vehicle Makers

Donald Trump's return to the White House has stoked optimism on Wall Street, where his business-friendly agenda is expected to juice economic growth and loosen regulations that nibble away at corporate profits. Electric vehicle makers, however, face a hazier outlook than most other businesses. Trump's rhetoric and campaign promises have put him squarely at odds with America's electric vehicle makers and the outgoing Biden administration, which expended ample effort to promote electrification. But the president-elect's close ties to Tesla (TSLA) CEO Elon Musk cast doubt on how thoroughly he will carry out his promises. Trump made his disdain for electric vehicles clear on the campaign trail. He said they were too expensive and insisted no one wanted to buy them because of their inadequate range. He called Biden-era electrification efforts part of “the Green New Scam,” a play on the “Green New Deal,” a set of policy proposals meant to address climate change. He’s said he would “end the electric vehicle mandate on day one,” referring to a recent vehicle emissions standards rule from the Environmental Protection Agency (EPA) that requires U.S. automakers to significantly lower their vehicles’ emissions over the next decade.

Source: Colin Laidley, <https://www.investopedia.com/>, November 13, 2024

PM E-DRIVE for electric vehicles enters fast lane

The ‘PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE)’ Scheme, recently approved by the Cabinet with a financial outlay of Rs. 10,900 crores came into effect on October 1, 2024, and will remain in force until March 31, 2026. The primary goal of the scheme is to accelerate the adoption of electric vehicles (EVs), develop essential charging infrastructure, and establish a robust EV manufacturing ecosystem across the country. Under this scheme, electric vehicle sales have already seen a record surge, reflecting the growing momentum of EV adoption. The PM E-DRIVE initiative promotes mass mobility by supporting public transportation systems. The key objective is to speed up the transition to electric vehicles by offering upfront incentives for EV purchases and encouraging the development of charging infrastructure. The scheme seeks to reduce transportation-related environmental impacts and improve air quality while promoting an efficient and competitive EV manufacturing sector in line with the AtmaNirbhar Bharat initiative.

Source: <https://www.thehansindia.com/>, November 15, 2024

Defence & Solar

India successfully flight-tests long-range hypersonic missile, enhances military prowess

In a significant leap for India’s military capabilities, the country successfully flight-tested its long-range hypersonic missile off the coast of Odisha, marking a historic moment for the nation. The missile, developed by the Defence Research and Development Organisation (DRDO), is designed to travel at speeds exceeding Mach 5 (over 1,220 km/h), enabling it to strike targets with extreme speed while evading most air defence systems. Defence Minister Rajnath Singh hailed the successful test as a “stupendous achievement” and a “historic moment” for India. Speaking on social media platform ‘X’, Singh expressed pride in the country’s accomplishment, stating that India has now joined an exclusive group of nations possessing such advanced military technology.

Source: <https://www.financialexpress.com/>, November 17, 2024

India Launches First-Ever Military Space Exercise

India's Defence Space Agency has conducted its first-ever military space exercise, "Antariksha Abhyas 2024," in New Delhi. The three-day exercise runs from November 11 to 13 to secure the South Asian giant's national strategic objectives in space and integrate space capabilities among its military operations, as other nations have been boosting defences in that domain. As space is "becoming increasingly congested, contested, competitive, and commercial," the activity seeks to enhance understanding of space-based assets and services. It also aims to show how the different military branches rely on the space domain for operations and pinpoint vulnerabilities if access to space services is denied or disrupted. In addition, the government agency urged its military leaders to promote innovation and develop cutting-edge technologies together with the Defence Research and Development Organisation (DRDO), the Indian Space Research Organisation (ISRO), and academic institutions.

Source: By Christine Casimiro, <https://thedefensepost.com/>, November 16, 2024

India, Russia sign MoU to cooperate on Pantsir air defence systems

Russia's main armaments export firm and an Indian state-run defence company have signed an agreement to cooperate on jointly developing variants of the Pantsir air defence missile and gun system, a move aimed at bolstering the country's air defence capabilities. This is not the first time the Russian side has offered the Pantsir system, which combines missile and guns and is designed to defend small military, administrative and industrial facilities against aircraft and cruise missiles. It was a contender for an earlier Indian Army contract for self-propelled air defence systems that is yet to be finalised. Bharat Dynamics Limited (BDL), a leading state-run defence firm, said on a post on X on November 8 that it had signed a memorandum of understanding (MoU) with Rosoboronexport, Russia's main weapons export agency, for "cooperation on Pantsir variants". BDL did not provide details of the agreement.

Source: <https://www.hindustantimes.com/>, November 11, 2024

Prime Minister Modi's Nigeria Visit May Shore Up Defence Ties

Prime Minister Narendra Modi's visit to Nigeria on November 16-17, 2024, is poised to significantly enhance defence ties between India and Nigeria. This marks the first visit by an Indian Prime Minister to Nigeria in 17 years, reflecting a renewed commitment to strengthen bilateral relations across various sectors, particularly defense, trade, and cultural cooperation. The discussions are expected to center around enhancing security collaboration, especially in counter-terrorism efforts against groups like Boko Haram. India has previously provided military training and support to Nigeria, which includes the establishment of key defense institutions such as the National Defence Academy and the Naval War College. The two nations are exploring further defense cooperation, including potential arms sales and credit lines for military purchases.

Source: <https://www.indiandefensenews.in/>, November 17, 2024

MSME

U.P. an important base for country's MSME sector today: CM

Inaugurating the U.P. pavilion at the International Trade Fair in New Delhi on Saturday, chief minister Yogi Adityanath said Uttar Pradesh was once considered a barrier to country's development but today it is an important base for the nation's MSME sector. Addressing a gathering there, he attacked previous governments saying Uttar Pradesh was earlier untouched by development. Confidence of investors has increased due to the improved law and order situation in the state. U.P. has received investment proposals worth up to ₹40 lakh crore. Adityanath further said the state government has been promoting one district one product (ODOP) on global platforms since 2018.

Source: <https://www.hindustantimes.com/>, November 16, 2024

Govt to decide soon on Rs 100 crore credit guarantee scheme for MSMEs: FM

Union Finance Minister Nirmala Sitharaman on Saturday said that the Rs 100 crore credit guarantee scheme for MSMEs which was announced in the budget this year will soon be placed before the Union Cabinet for approval. Highlighting the five announcements made in this budget for MSMEs she said, "the introduction of a special credit guarantee corpus to help MSMEs will be very helpful during the time of distress...." The Rs 100 crore credit guarantee scheme will soon be placed before the cabinet. Immediately after getting approval from cabinet, the scheme that will provide guarantee through MSME ministry and banks will be implemented. The grievance, which has been there for a very long time, is that the MSMEs can get working capital from banks but they don't get term loans, loans for plant and machinery. Now the guarantee will be provided under the scheme.

Source: <https://www.business-standard.com/>, November 09, 2024

Power ministry readies interest subvention scheme for MSMEs

The Union power ministry is likely to launch an interest subvention scheme for the micro, small, and medium enterprises (MSMEs) to help them deploy and promote energy-efficient technologies in businesses, according to sources. An interest subsidy of 5% to the small entities and 10% to the medium businesses will be rolled out under the scheme, the sources said. The proposed scheme is expected to provide financial assistance to industries under the Assistance in Deploying Energy Efficient Technologies in Industries & Establishment (ADEETIE) Scheme for adoption of energy efficient technologies. ADEETIE scheme is an online facilitation platform managed by the Bureau of Energy Efficiency aimed at encouraging and promoting financing for energy efficiency technologies.

Source: By Arunima Bharadwaj, <https://www.financialexpress.com/>, November 14, 2024

NITI Aayog's WEP and Urban Company join hands to empower women led MSMEs in beauty and wellness sector

The Women Entrepreneurship Platform (WEP), under NITI Aayog, has launched a groundbreaking pilot program in partnership with Urban Company to empower women-led micro and small enterprises (MSMEs) in the beauty and wellness industry. This initiative aims to provide women entrepreneurs with the tools and support needed to grow their businesses and make them sustainable. As part of the pilot, 25 women entrepreneurs from Delhi-NCR, running small-scale or micro-businesses, will be selected through an open application process. They will receive specialised training across six critical areas: skilling, legal and compliance frameworks, access to finance, market strategies, business development, and mentorship. Networking opportunities will also be provided, equipping these women with the resources to scale their businesses.

Source: <https://smefutures.com/>, November 16, 2024

POLICY MATTERS – NOV 2024

1. CBIC Instruction No. 21/2024-Customs dated 16th October 2024: CBIC Clarifies Acceptance of Retrospective Certificates of Origin under India-UAE CEPA

The **Central Board of Indirect Taxes and Customs (CBIC)** has issued Instruction No. 27/2024-Customs, providing guidelines to enhance the **ease of doing business** while investigating tax evasion in import/export activities.

Key Highlights:

- **Balanced Approach to Enforcement**
 - Field officers are advised to ensure that legitimate trade and business operations are not disrupted during investigations.
 - Emphasis on maintaining fairness and avoiding undue harassment of importers/exporters.
- **Streamlined Investigations**
 - Cases involving suspected tax evasion must be supported by credible evidence.
 - Authorities are directed to adopt a transparent and efficient approach while handling these cases.
- **Adherence to Timelines**
 - Investigations and decision-making processes should adhere to prescribed time limits to avoid delays.

These guidelines reaffirm CBIC's commitment to striking a balance between compliance enforcement and fostering a business-friendly environment. The measures aim to build trust, reduce compliance burdens, and improve India's trade competitiveness.

This development is pivotal for stakeholders in the trade ecosystem and reflects the government's proactive steps toward ensuring seamless business operations.

For more details, members are advised to refer to the official CBIC website regarding Instruction No. 27/2024-Customs dated 1st November 2024.

2. DGFT Public Notice No. 31/2024-25-DGFT dated 5th November 2024: Update to Appendix 2Y of Foreign Trade Policy (FTP) 2023

The Directorate General of Foreign Trade (DGFT) has amended Appendix 2Y of the FTP 2023, which lists Ministries/Departments whose mandatory Quality Control Orders (QCOs) are exempted for inputs utilized in the manufacture of export products by Advance Authorisation holders, EOUs, and SEZs.

Key Highlights:

- The Ministry of Heavy Industries has been added to the list of Ministries/Departments in Appendix 2Y, allowing inputs governed by its QCOs to be exempted for manufacturing export products.

This update, effective immediately, is in line with Notification No. 71/2023 dated March 11, 2024, enhancing the ease of compliance for exporters using inputs covered by QCOs under this Ministry.

For more details, members are advised to refer to the official DGFT website regarding Public Notice No. 31/2024-25-DGFT dated 5th November 2024.

3. CBIC Circular No. 22 /2024-Customs dated 08th November 2024: Clarification on Insurance Amount and Bond Value for CCSPs and Validity of Bond for AEO-LO

The Central Board of Indirect Taxes and Customs (CBIC) has issued a clarification regarding the insurance amount and bond value for Customs Cargo Service Providers (CCSPs) under the Handling of Cargo in Customs Areas Regulations (HCCAR), 2009.

Key Highlights:

- **Insurance Amount:** *The amount of insurance to be provided by CCSPs is now revised to reflect the average value of goods likely to be stored in the Customs area for a **period of 5 days**, based on projected capacity. This is in line with reduced average dwell times for imported and export goods. The insurance amount may also consider goods already insured by importers or exporters.*
- **Custodian Bond:** *The value of the custodian bond for CCSPs has been reduced from 10 days' storage to 5 days, as per Notification No. 75/2024-Customs (N.T.) dated 07.11.2024. This reduction aims to lower the cost burden on CCSPs.*
- **Validity of AEO-LO Custodian Bond:** *The validity of the custodian bond executed by Authorized Economic Operator-Logistics Operators (AEO-LO), such as ICDs/CFSS, will now be aligned with the validity of their AEO authorization. This change is reflected in the amendment to Regulation 10 of HCCAR, 2009.*

These changes aim to align with the reduced dwell time for goods and support Ease of Doing Business while lowering the compliance burden for CCSPs and AEO-LO entities.

For more details, members are advised to refer to the official CBIC website regarding Circular No. 22 /2024-Customs dated 08th November 2024.

4. RBI A.P. (DIR Series) Circular No. 19 dated 11th November 2024: Operational framework for reclassification of Foreign Portfolio Investment to Foreign Direct Investment (FDI)

The RBI circular outlines the process for reclassifying Foreign Portfolio Investments (FPI) to Foreign Direct Investments (FDI) when the FPI exceeds the 10% equity limit in a company.

Key Highlights:

1. **Reclassification Option:** If an FPI exceeds the limit, it can either divest or reclassify the excess investment as FDI, provided it obtains necessary approvals and the consent of the Indian company.
2. **Reporting:** The FPI must report the reclassification using specific forms (FC-GPR for new investments, FC-TRS for secondary market acquisitions).
3. **Custodian Role:** The Custodian will freeze new purchases until reclassification is complete and transfer the securities to an FDI account once reporting is done.
4. **Sector Restrictions:** Reclassification is not allowed in prohibited sectors for FDI.
5. **Timeframe:** The process must be completed within five trading days from the transaction causing the breach.

This circular provides clarity on the procedures and conditions for reclassifying foreign portfolio investments into foreign direct investments, offering a structured approach to compliance.

For more details, members are advised to refer to the official RBI website regarding RBI A.P. (DIR Series) Circular No. 19 dated 11th November 2024.

5. CBIC Instruction No. 28/2024-Customs Dated 12th November 2024: General ways of identification of the Low Voltage Switchgear and Control gear under EEQCO as per phased implementation plan

The Ministry of Finance, through the Central Board of Indirect Taxes & Customs (CBIC), issued **Instruction No. 28/2024-Customs on 12th November 2024**. This instruction concerns the **Electrical Equipment Quality Control Order (EEQCO), 2020**, specifically for **Low Voltage Switchgear and Control gear**.

Key Highlights:

1. **EEQCO Implementation:** The first phase of the EEQCO for Low Voltage Switchgear products was to come into effect on 10th November 2024.
2. **Identification Guidelines:** The Ministry of Heavy Industries provided guidelines on identifying products under EEQCO as part of the phased implementation plan.

The circular is aimed at ensuring smooth enforcement of quality control measures for low voltage switchgear under the EEQCO framework.

For more details, members are advised to refer to the official CBIC website regarding Instruction No. 28/2024-Customs Dated 12th November 2024.

6. DGFT Trade Notice No. 22/2024-25 dated 14th November 2024: Harmonisation of Schedule-II (Export Policy), ITC(HS) 2022

The Trade Notice No. 22/2024-25 issued by the Directorate General of Foreign Trade (DGFT) on 14th November 2024 focuses on the harmonization of Schedule-II (Export Policy) under the ITC(HS) 2022.

Key Highlights:

1. **Harmonization of Export Policy:** DGFT proposes a revised Schedule-II (Export Policy) based on 8-digit ITC (HS) codes, aligning with the latest tariff codes under the Finance Act 2024. This harmonization will replace the previous description-based export policy.
2. **Previous Draft and Feedback:** A draft version of the Schedule-II for Chapters 40-98 was shared earlier (under Trade Notice No. 11/2024-25 dated 02.08.2024). The comments received have been incorporated into the updated draft, which now includes all Chapters 01-98.
3. **Invitation for Comments:** Stakeholders are invited to submit their comments on the updated draft by 27th November 2024 via email to expordgft@nic.in. The final draft will be notified after this consultation period.

This initiative seeks to streamline the export control and facilitation process, offering enhanced clarity for stakeholders.

For Electronics Sector: Stakeholders in the electronics sector, particularly those dealing with HS codes for Chapters 84, 85, and other related products, should refer to the official DGFT website Trade Notice No. 22/2024-25 dated 14th November 2024 for further details regarding the harmonized export policy.

INDIA - PCB INDUSTRY NEWS

Cabinet nod for ₹40,000-cr PLI Scheme for electronics components soon



Government considers PLI scheme for electronics components to reduce import dependence, with a focus on boosting local production.

In a significant development, the government is considering a production linked incentive (PLI) scheme for electronics components to reduce import dependence in the coming years.

According to sources in the Ministry of Electronics and Information Technology (MeitY), it will send a Cabinet note soon, for consideration at the earliest for the ₹40,000-crore scheme to reduce imports from China and Hong Kong.

Read more at: <https://www.thehindubusinessline.com/news/cabinet-nod-for-40000-cr-pli-scheme-for-electronics-components-soon/article68966137.ece>
<https://tinyurl.com/5vbzd49r>

THE WORLD NEWS - WHAT'S THE NEWS FOR PCB's

Announcement is hereby made by Government of China cancelling the export tax rebates on certain commodities as mentioned below:

Ministry of Finance State Administration of
Taxation

Announcement on Adjusting the Export Tax
Rebate Policy

Announcement No. 15 [2024] of the Ministry of Finance

The relevant matters concerning the adjustment of export tax rebate policies for aluminum materials and other products are hereby announced as follows:

1. The export tax rebates for aluminum and copper materials and chemically modified animal, plant or microbial oils and fats shall be cancelled. See Annex 1 for a list of specific products.

II. The export tax rebate rate for some refined oil products, photovoltaic products, batteries and some non-metallic mineral products shall be lowered from 13% to 9%. See Annex 2 for a list of specific products.

III. This Announcement shall come into force on December 1, 2024. The export tax rebate rate applicable to the products listed in this Announcement shall be defined by the export date indicated in the export declaration form.

CPCA 中国电子电路行业协会

2024 CPCA SHOW PLUS (Electronic Semiconductor Industry Innovation & Development Summit International Electronic Circuits (Great Bay Area) Exhibition, which will be held in the Shenzhen World Exhibition & Convention Center from November 6 to 8, 2024, in 6H & 8H with 300 exhibitors over 30000 m2 spaces.

From November 6th to 8th, 2024, the highly anticipated Electronic Semiconductor Industry Innovation and Development convention and International Electronic Circuit (Greater Bay Area) Exhibition were successfully held at the Shenzhen International Convention and Exhibition Center (Bao'an New Hall). This event is an important practice for the integrated development of electronic circuits and semiconductors, providing a new platform for the industry to showcase innovative technologies, exchange industry trends, expand business cooperation, and optimize supply chains.

The three-day event attracted nearly 300 well-known exhibitors and brands in the fields of printed circuit boards, electronic circuit supply chains, semiconductors, packaging substrates and ceramic substrates, sustainable development and intelligent manufacturing to compete for strength. More than 20 various activities have gathered the wisdom of the upstream and downstream of the industrial chain, with the goal of leading technology, creating a new industry innovation driven platform, focusing on industry pain points and difficulties, analysing future development directions, and activating new vitality in the electronic circuit and semiconductor industries.

IPC APEX EXPO Future Dates

March 18-20, 2025 | Anaheim Convention Center

March 17 -19, 2026 | Anaheim Convention Center

April 6-8, 2027 | Anaheim Convention Center

April 4-6, 2028 | Anaheim Convention Center

HKPCA Show 2024

- Venue: Shenzhen World Exhibition & Convention Centre (Bao'an)
- Date: 4-6 December (Wed-Fri)
- No of Exhibitor: 600+
- No of Booths: ~3600
- Area: 80,000 sqm (hall 5, 6, 7, 8)



Korea Electronics Packaging and Circuits Association

This year, sales are projected to grow by 5.5%, reaching \$9.27 billion compared to \$8.79 billion last year. The IC substrate market is expected to see a 7.2% increase, reaching \$4.7 billion.

Since the second half of 2022, demand for IC-substrates and electronic components has declined significantly due to a slowdown in the IT-set market(computer, mobile, TV). Although inventory adjustments have been completed, demand recovery has been slower than anticipated, limiting overall market growth in 2024. Market stability in supply and demand is unlikely to return before the second half of 2025.

However, rising demand for AI computing, generative AI-enabled smartphones, automotive applications, and high-end servers is driving growth in high-value products. As a result, strengthening infrastructure through investments, workforce development, and operational efficiency will be essential for the PCB industry, which depends on cutting-edge technology and distinct competitive advantages.

Additionally, as the semiconductor industry advances toward higher performance and lower power consumption, glass substrate technology is gaining recognition. With its excellent thermal stability, flatness, and mechanical strength, glass substrates are increasingly valued for their compatibility with advanced packaging solutions and their critical role in the industry.

Thailand Printed Circuit Association (THPCA)



- Date: 20-22 Aug 2025 (Wed-Fri)
- Time: 10:00-18:00
- Venue: EH99-100 BITEC Bangna Bangkok
- Gross Space: 22,000 Sqm.
- Target Exhibitor: 450 Companies
- Target Visitor: 7,500

TPCA 台灣電路板協會
Taiwan Printed Circuit Association



International Events

 <p>INTERNATIONAL ELECTRONICS CIRCUIT EXHIBITION (SHENZHEN) 国际电子电路(深圳)展览会</p>	<p>International Electronics Circuit Exhibition 4-6 December 2024 Shenzhen World Exhibition & Convention Center (Bao'an), China https://www.hkpcashow.org/en/show/information</p>
 <p>APEX EXPO IPC 2025 MARCH 15-20 MARCH 18-20 ANAHEIM CONVENTION CENTER, CA</p>	<p>IPC APEX EXPO 18th-20th March 2025 Anaheim Convention Center https://www.ipcapexexpo.org/</p>
 <p>CPCA 2025 SHOW</p>	<p>CPCA Show 2025 24- 26 March 2025 http://www.cpcashow.com/en/index.asp</p>
 <p>JPCA</p>	<p>JPCA SHOW 2025 4-6 June 2025 Tokyo Big Sight, East Exhibition Hall</p>
 <p>THPCA</p>	<p>THPCA SHOW 2025 20-22 August 2025 BITEC EH 99-100, Bangkok Thailand</p>
 <p>KPCA Korea Electronics Packaging and Circuits Association 한국PCB&반도체패키징산업협회</p>	<p>KPCA SHOW 2025 3-5 September 2025 Songdo Convensia Convention Center, Incheon, South Korea</p>

Domestic Events

	ELECTRONICS EXPO 12th -14th DEC 2024 CHENNAI https://shorturl.at/2VFcu
	EV Asia Expo 12th – 14th February 2025 Gujarat https://www.evasia.in/
	ET Expo and Automotive Electronics & Testing Show 13th- 15th February 2025 Pune https://et-automotive.com/
	14th Source India 18th-19th February 2025 Chennai https://event.sourceindia-electronics.com/
	16th ELECARAMA 2025 22nd- 26th February 2025 https://elecrama.com/
	Convergence Expo 19th- 21st 2025 March New Delhi https://www.convergenceindia.org/
	India Electronics Expo 2025 19th- 21st March 2025 Pragati Maidan Delhi https://www.indiaelectronicsexpo.com/

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