VinciWorks

SANCTIONS COMPLIANCE

A Comprehensive Guide to the 2024 Common High Priority List

A detailed analysis of every item under Russian trade sanctions

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What is the Common High Priority List?

The Common High Priority List has been developed by the UK, US, EU and Japan which includes many items found on the battlefield in Ukraine. All these items are under sanction.

The list is divided into four Tiers, with tiers one and two containing particularly sensitive items – integrated circuits of the highest concern for Russian weapons systems, and additional electronic components.

Tier 1: Integrated circuits (also referred to as microelectronics)

Tier 2: Electronics components including communications modules and passive electronic components

Tier 3A: Further electronic components used in Russian weapons systems, with a broader range of suppliers

Tier 3B: Mechanical and other components utilised in Russian weapons systems

Tier 4: Manufacturing, production and quality testing equipment of electric components, circuit boards and modules

These items should be treated like handling stolen goods. Transporting, selling, buying, shipping or otherwise being connected to the supply of these goods to sanctioned entities is a criminal offence.

What are key red flags to be aware of?

There are a number of red flags to be aware of when dealing with sanctioned items, and where there is a risk of a sanctions breach. A single red flag is not necessarily indicative of illicit or suspicious activity. The surrounding facts and circumstances should be considered before determining next steps, like submitting a suspicious activity report to the NCA.

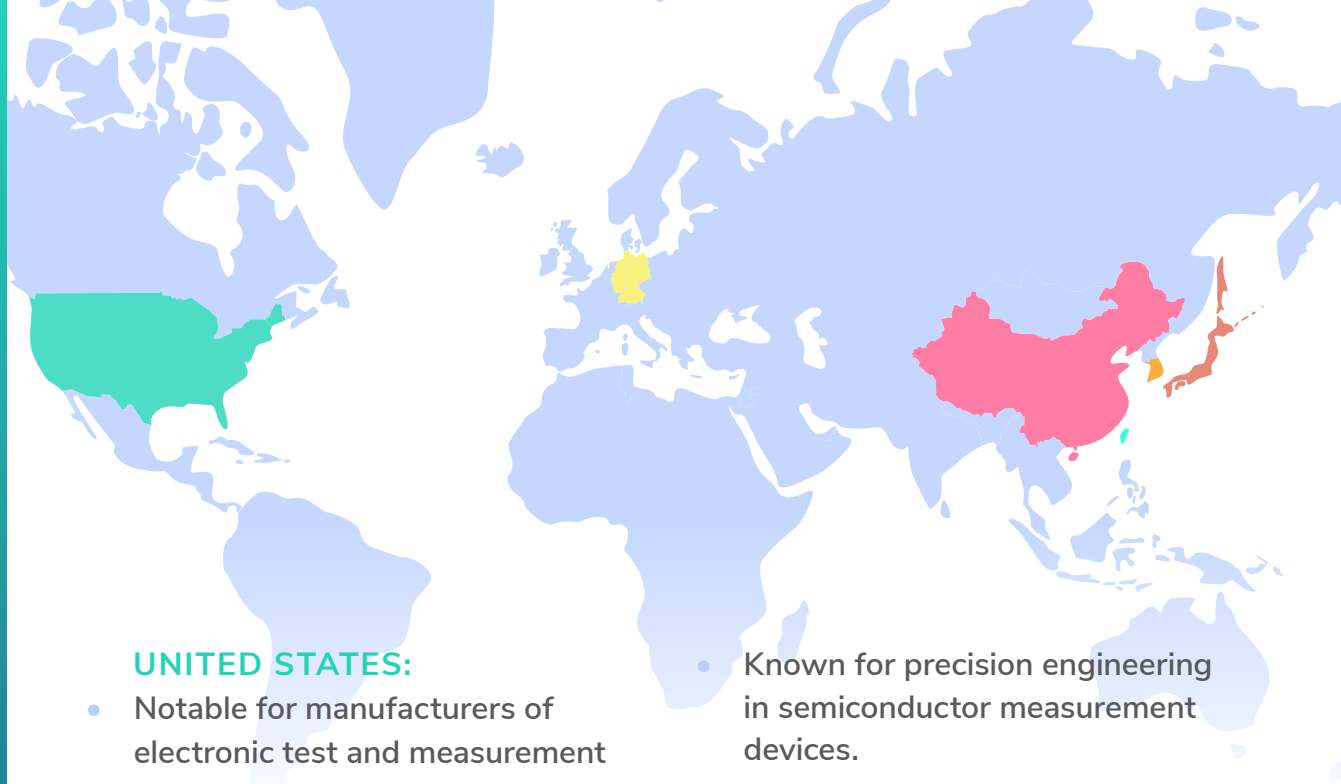
1. Transactions related to payments for goods on the Common High Priority list, from a company incorporated after 24 February 2022 and based in known diversionary destinations.
2. A customer who lacks or refuses to provide details on banks, shippers, or third parties, including about end users, intended end-use, or company ownership.
3. Transactions involving smaller value payments, all from the same end user's foreign bank account, to multiple, similar suppliers of Common High Priority list items.
4. A customer that significantly overpays for a Common High Priority list item, compared to known market prices.
5. Purchases under a letter of credit that are consigned to the issuing bank, not to the actual end user. In addition, supporting documents, such as a commercial invoice, do not list the actual end-user.
6. Transactions involving entities with little to no web presence, such as a website or a domain based email account.

What are key red flags to be aware of?

(continued)

7. Transactions involving customers with phone numbers with country codes that do not match the destination country.
8. The item or service (commodity, software, service or technology) does not fit the purchaser's line of business.
9. The customer's name or its address is similar to one of the parties on the OFSI consolidated list.
10. Transactions involve a purported civil end-user, but research indicates customers with counterparties with connections with the military, such as an address that is a military facility or is co-located with military facilities in a country of concern.
11. Transactions involving companies that are physically co-located, or have shared ownership, with an entity on the OFSI consolidated list.
12. Transactions that use open accounts/open lines of credit when the payment services are conducted in conjunction with known diversionary destinations.
13. Transactions involving a last-minute change in payment routing that was previously scheduled from a country of concern, but now routed through a different country or company.
14. Transactions involving payments being made from entities located at known transhipment points or involve atypical shipping routes to reach a destination.

Key countries involved in the production of goods on the Common High Priority List



UNITED STATES:

- Notable for manufacturers of electronic test and measurement equipment.
- Home to semiconductor equipment manufacturers and technology companies.

GERMANY:

- Known for precision engineering in electronic instruments.
- Recognised for advanced technology in semiconductor testing instruments.

JAPAN:

- Recognised for advanced technology in electronic testing devices.
- Known for precision engineering in semiconductor measurement devices.

CHINA:

- A major global player in the manufacturing of electronic test equipment.
- A significant player in semiconductor manufacturing and equipment production.

TAIWAN:

- Known for advanced technology and high-quality PCB production.

SOUTH KOREA:

- A major player in the global semiconductor manufacturing industry.

Key industries involved in the use of goods on the Common High Priority List

ELECTRONICS MANUFACTURING

Involves the production of electronic devices and components.

TELECOMMUNICATIONS

Encompasses industries related to communication systems and networks.

AUTOMOTIVE ELECTRONICS

Pertains to the electronics used in vehicles for control systems and entertainment.

RESEARCH AND DEVELOPMENT (R&D)

Involves laboratories and facilities focused on experimentation, testing, and innovation.

HEALTHCARE

Encompasses the medical industry, including the use of optical instruments in medical imaging.

INFORMATION TECHNOLOGY (IT)

Involves the use of electronics in computing, servers, and networking equipment.

CONSUMER ELECTRONICS

Encompasses the production of devices for personal use, such as smartphones and televisions.

MATERIAL HANDLING

Involves industries focused on the precise handling of semiconductor materials.

ENERGY AND POWER

Encompasses industries related to electrical power systems and energy.

INTEGRATED CIRCUIT PRODUCTION

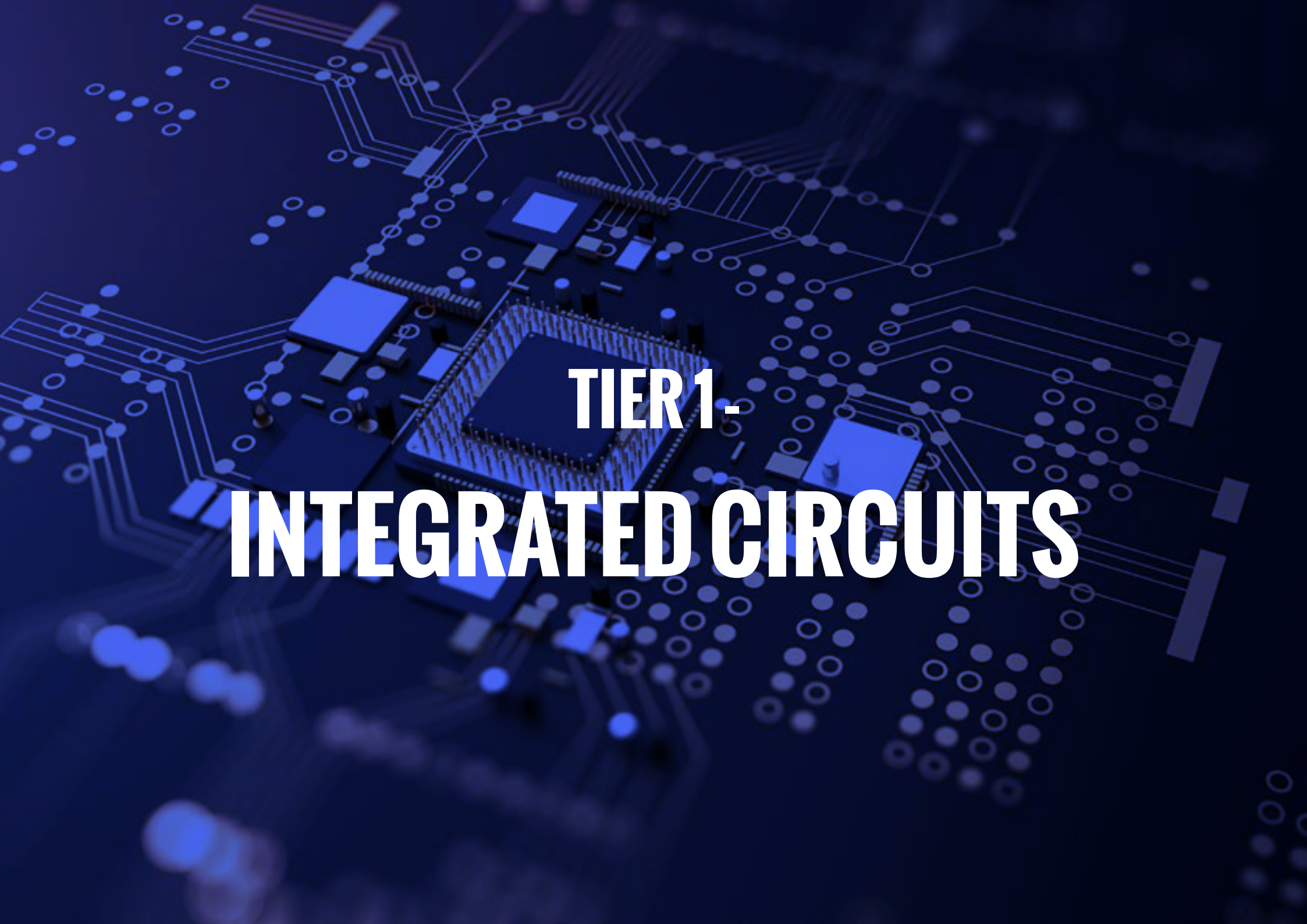
Refers to the manufacturing of advanced electronic components.

FAILURE ANALYSIS SERVICES

Involves specialised facilities addressing semiconductor-related failures.

SEMICONDUCTOR MANUFACTURING

Encompasses the production of semiconductor devices and integrated circuits.


TIER 1 -
INTEGRATED CIRCUITS

ELECTRONIC CIRCUITS

WHAT THIS IS:

Complex electronic integrated circuits encompassing processors and controllers, often combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits. These circuits are the backbone of electronic devices, handling various functions within a single chip.

8542.31 Processors and Controllers, Whether or Not Combined with Memories, Converters, Logic Circuits, Amplifiers, Clock and Timing Circuits, or Other Circuits

8542.32 - Electronic integrated circuits: Memories

8542.33 - Electronic integrated circuits: Amplifiers

8542.39 - Electronic integrated circuits: Other

WHAT THIS IS USED FOR:

These integrated circuits serve a multitude of purposes, including:

Computing: Processors are the brain of computers, executing instructions.

Control Systems: Controllers manage and regulate functions in devices and machinery.

Signal Processing: Converters and amplifiers modify and enhance electrical signals.

Memory Storage: Integrated with memories for data storage and retrieval.

Timing and Synchronisation: Clock and timing circuits coordinate operations in electronic systems.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Information Technology
- Telecommunications
- Consumer Electronics
- Automotive
- Industrial Automation

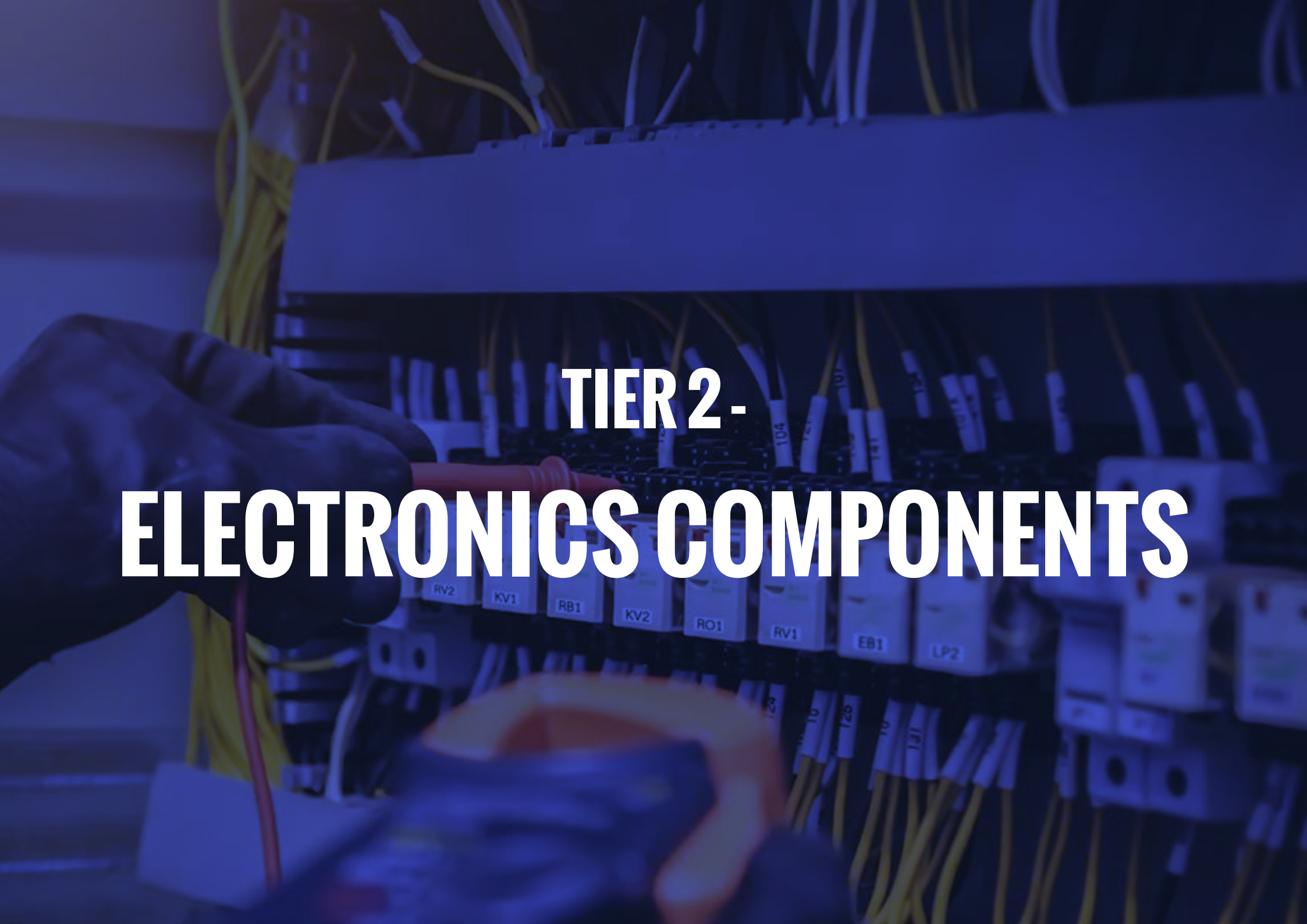
COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


United States


Taiwan


China


South Korea


TIER 2 -
ELECTRONICS COMPONENTS

COMMUNICATIONS MACHINES

WHAT THIS IS:

This category includes machines designed for receiving, converting, transmitting, or regenerating voice, images, or other data. It encompasses a wide range of devices, including switching and routing apparatus, essential for effective communication systems.

8517.62 - Machines for the reception, conversion, and transmission or regeneration of voice, images, or other data, including switching and routing apparatus

WHAT THIS IS USED FOR:

These machines serve critical functions in various applications, such as:

Communication Networks: Switching and routing apparatus manage data flow in telecommunications networks.

Broadcasting: Used in television and radio stations for signal processing and transmission.

Data Centres: Switching apparatus direct data traffic within large-scale computing environments.

Internet Infrastructure: Routers play a key role in directing data packets across the internet.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

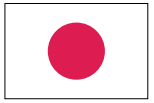
- Telecommunications
- Broadcasting
- Information Technology
- Internet Service Providers

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


United States


Europe


China


Japan

RADAR

WHAT THIS IS:

Radio navigational aid apparatus refers to equipment that utilises radio frequencies for navigation, including radar systems and devices designed for remote control via radio signals.

8526.91 - Radar apparatus, radio navigational aid apparatus, and radio remote control apparatus: Radio navigational aid apparatus

WHAT THIS IS USED FOR:

This apparatus is employed for various purposes, including:

Navigation: Radar systems assist in determining the location and movement of objects, crucial for aviation and maritime navigation.

Safety: Used in maritime environments to prevent collisions and ensure safe navigation.

Remote Control: Radio remote control apparatus enables wireless control of devices, such as drones or industrial machinery.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Aviation
- Maritime
- Defence
- Industrial Automation

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


United States


Europe


China


Russia

TANTALUM CAPACITORS

WHAT THIS IS:

Tantalum capacitors are a type of fixed capacitor that uses tantalum as the dielectric material, providing high capacitance in a compact size.

8532.21 - Other fixed capacitors: Tantalum capacitors

WHAT THIS IS USED FOR:

Tantalum capacitors are used in various applications, including:

Electronics: Commonly used in electronic devices for energy storage and filtering.

Telecommunications: Found in communication equipment for signal processing.

Aerospace: Utilised in space and aviation applications due to their reliability.

Medical Devices: Used in medical electronics for their stability and performance.

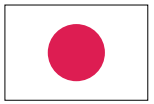
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Telecommunications
- Aerospace and Defence
- Medical Technology

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


United States


Japan


China


South Korea

CERAMIC CAPACITORS

WHAT THIS IS:

Multilayer ceramic capacitors (MLCCs) are fixed capacitors that use ceramic material as the dielectric and are constructed in multiple layers.

8532.24 - Other fixed capacitors: Ceramic dielectric, multilayer

WHAT THIS IS USED FOR:

MLCCs find applications in various electronic devices and systems, including:

Consumer Electronics: Used in smartphones, laptops, and other consumer devices.

Automotive Electronics: Found in vehicle control systems and entertainment units.

Industrial Equipment: Used for filtering and energy storage in industrial machinery.

Telecommunications: Integral to communication devices and networking equipment.

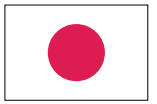
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Consumer Electronics
- Automotive
- Industrial Manufacturing
- Telecommunications

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


South Korea

TIER 3A -

ELECTRONIC COMPONENTS USED IN RUSSIAN WEAPONS SYSTEMS

TRANSFORMERS & CONVERTORS

WHAT THIS IS:

Electrical transformers, static converters (such as rectifiers), and inductors, particularly the subset related to static converters. Static converters are devices that convert electrical energy from one form to another, often involving changing the voltage level.

8504.40 - Electrical Transformers, Static Converters (e.g., Rectifiers), and Inductors; Part thereof: Static Converters

WHAT THIS IS USED FOR:

Static converters play a crucial role in modifying electrical energy for specific applications. Rectifiers, a type of static converter, convert alternating current (AC) to direct current (DC), essential for many electronic devices and industrial processes. Transformers and inductors are integral components for managing voltage levels in electrical systems.

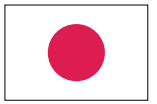
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics and IT
- Energy
- Manufacturing
- Telecommunications

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

COMMUNICATIONS EQUIPMENT

WHAT THIS IS:

This category includes diverse devices designed for the transmission or reception of voice, images, or data. It encompasses equipment for wired and wireless communication networks.

8517.69 - Other apparatus for the transmission or reception of voice, images, or other data, including apparatus for communication in a wired or wireless network

WHAT THIS IS USED FOR:

This apparatus serves various communication functions, including:

Telecommunications: Devices for voice and data transmission in wired and wireless networks.

Broadcasting: Equipment for transmitting radio and television signals.

Data Networking: Devices facilitating data exchange within wired and wireless networks.

Internet Communication: Apparatus for internet-based communication, including routers and switches.

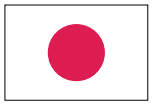
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Telecommunications
- Information Technology
- Broadcasting
- Consumer Electronics

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Europe


Japan


China


United States

DIGITAL & TV CAMERAS

WHAT THIS IS:

This category includes devices designed for capturing images and videos, including television cameras, digital cameras, and video camera recorders.

8525.89 - Television cameras, digital cameras, and video camera recorders

WHAT THIS IS USED FOR:

These devices serve various purposes in capturing visual content, including:

Broadcasting: Television cameras are used for live broadcasting of events and shows.

Photography: Digital cameras are used for still photography in personal and professional settings.

Video Production: Video camera recorders are essential for recording motion pictures, documentaries, and events.

Content Creation: All three devices play a crucial role in content creation for various platforms.

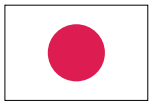
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Media and Entertainment.
- Photography.
- Film and Video Production
- Advertising and Marketing

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


South Korea


United States

ANTENNAS

WHAT THIS IS:

This category includes a wide range of devices designed for capturing or emitting radio frequency signals, including antennas and antenna reflectors.

8529.10 - Parts suitable for use solely or principally with the apparatus of headings 8524 to 8528: Antennas and antenna reflectors of all kinds; parts suitable for use therewith

WHAT THIS IS USED FOR:

These devices serve various purposes in communication and signal reception, including:

Broadcasting: Used for radio and television broadcasting to capture signals.

Wireless Communication: Essential for transmitting and receiving signals in wireless communication networks.

Radar Systems: Antennas are integral components in radar systems for object detection.

Satellite Communication: Antennas facilitate communication with satellites for broadcasting and data transmission.

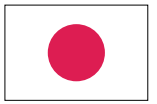
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Telecommunications
- Broadcasting
- Aerospace and Defence
- Automotive

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Europe


United States

COAXIAL CONNECTORS

WHAT THIS IS:

Coaxial connectors are a type of electrical connector with a central conductor, an insulating layer, and an outer conductor, typically in the form of a cylindrical shell.

8536.69 - Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other

WHAT THIS IS USED FOR:

Coaxial connectors are used for transmitting radio frequency signals and are commonly employed in various applications, including:

Telecommunications: Used in cable television and internet connections.

Broadcasting: Essential for radio and television broadcasting equipment.

Networking: Utilised in data communication systems.

Test and Measurement: Used in equipment for accurate signal transmission.

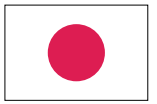
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Telecommunications
- Broadcasting
- Information Technology
- Aerospace and Defence

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:

China



Japan

Germany

United States

CYLINDRICAL MULTICONTACT CONNECTORS

WHAT THIS IS:

Cylindrical multicontact connectors are connectors with multiple contact points arranged in a cylindrical shape.

8536.69 - Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other

WHAT THIS IS USED FOR:

These connectors are used for establishing electrical connections in applications where multiple contacts are required, including:

Automotive: Used in vehicle electrical systems for various functions.

Industrial Machinery: Employed in manufacturing equipment and machinery.

Medical Devices: Used in medical equipment that requires precise electrical connections.

Aerospace: Found in aircraft systems for electrical connectivity.

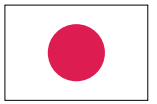
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Automotive
- Manufacturing
- Healthcare
- Aerospace

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

RACK AND PANEL CONNECTORS

WHAT THIS IS:

Rack and panel connectors are designed for connecting electronic modules within a rack or panel.

8536.69 - Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other

WHAT THIS IS USED FOR:

These connectors facilitate the interconnection of electronic modules in various systems, including:

Telecommunications: Used in network equipment and servers.

Data Centres: Employed in rack-mounted servers and networking devices.

Industrial Automation: Used in control systems and automation equipment.

Test and Measurement: Found in equipment for accurate signal transmission.

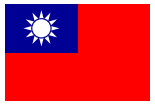
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Telecommunications
- Information Technology
- Manufacturing
- Test and Measurement

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Taiwan


Germany


United States

PRINTED CIRCUIT CONNECTORS

WHAT THIS IS:

Printed circuit connectors are designed for connecting electronic components on printed circuit boards (PCBs).

8536.69 - Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other

WHAT THIS IS USED FOR:

These connectors are used for establishing electrical connections on PCBs in various electronic devices, including:

Consumer Electronics: Found in smartphones, laptops, and other gadgets.

Automotive Electronics: Employed in vehicle control systems and entertainment units.

Medical Devices: Used in medical equipment for connectivity.

Industrial Electronics: Found in machinery and control systems.

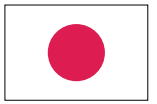
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Consumer Electronics
- Automotive.
- Healthcare
- Manufacturing

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

RIBBON OR FLAT CABLE CONNECTORS

WHAT THIS IS:

Ribbon or flat cable connectors are designed for connecting flat ribbon cables, which are often used in internal electronic wiring.

8536.69 - Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other

WHAT THIS IS USED FOR:

These connectors are used for establishing electrical connections with flat ribbon cables in various applications, including:

Computers: Found in internal connections within computers and servers.

Printers and Scanners: Employed in internal wiring of printing and scanning devices.

Consumer Electronics: Used in devices with flat internal wiring.

Industrial Automation: Found in machinery and control systems.

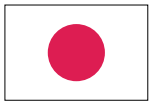
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Information Technology
- Manufacturing
- Printing and Imaging
- Consumer Electronics

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

CIRCUIT SWITCHERS

WHAT THIS IS:

This category includes a diverse range of electrical devices designed for switching, protecting, and making connections within electrical circuits.

8536.90 - Electrical apparatus for switching or protecting electrical circuit, or for making connections to or in electrical circuits: Other apparatus

WHAT THIS IS USED FOR:

These apparatus serve various functions in electrical systems, including:

Switching: Facilitating the opening or closing of electrical circuits.

Protection: Safeguarding electrical circuits from overloads and faults.

Connection Making: Establishing electrical connections within circuits.

Control Systems: Used in automation and control systems for managing electrical flow.

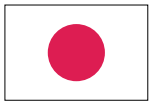
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Power Distribution
- Manufacturing
- Telecommunications
- Consumer Electronics

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

DIODES

WHAT THIS IS:

Diodes are semiconductor devices that allow current to flow in one direction only. This category specifically refers to diodes other than photosensitive or light-emitting diodes (LEDs).

8541.10 - Diodes, other than photosensitive or light-emitting diodes

WHAT THIS IS USED FOR:

Diodes in this category have various applications, including:

Rectification: Converting alternating current (AC) to direct current (DC).

Signal Demodulation: Extracting information from modulated signals.

Voltage Regulation: Stabilising voltage levels in electronic circuits.

Switching: Controlling the flow of electrical current in electronic devices.

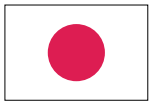
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Telecommunications
- Power Electronics
- Automotive

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:

China



Japan

South Korea

United States

TRANSISTORS UNDER 1W

WHAT THIS IS:

This category includes transistors, which are semiconductor devices, excluding photosensitive types, with a dissipation rate (power handling capability) of less than 1 watt.

8541.21 - Transistors, other than photosensitive, with a dissipation rate of less than 1W

WHAT THIS IS USED FOR:

These transistors find various applications, including:

Amplification: Used in electronic circuits to amplify signals.

Switching: Employed in digital circuits for on/off switching.

Signal Processing: Integral to audio and radio-frequency circuits.

Voltage Regulation: Utilised in voltage regulation circuits.

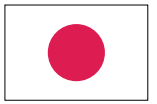
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Telecommunications
- Consumer Electronics
- Automotive

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:

China



Japan

South Korea

United States

NON-PHOTOSENSITIVE TRANSISTORS

WHAT THIS IS:

This category includes transistors, excluding photosensitive types, that are not specified or included elsewhere.

8541.29 - Transistors, other than photosensitive, NESOI

WHAT THIS IS USED FOR:

These transistors, being not elsewhere specified, can have diverse applications, including:

Specialised Electronics: Used in unique electronic circuits and applications.

Research and Development: Applied in experimental and custom electronic setups.

Customised Systems: Utilised in specific applications with unique requirements.

Niche Markets: Found in specialised electronic devices.

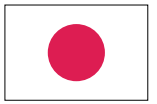
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Research and Development
- Custom Electronics
- Niche Markets

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:

China



Japan

South Korea

United States

THYRISTORS, DIACS & TRIACS

WHAT THIS IS:

This category includes semiconductor devices such as thyristors, diacs, and triacs, excluding photosensitive types. These devices are crucial for controlling electrical power.

8541.30 - Thyristors, diacs and triacs, other than photosensitive devices

WHAT THIS IS USED FOR:

These devices have various applications, including:

Power Control: Used for regulating and controlling electrical power.

Dimming Systems: Applied in lighting systems for dimming purposes.

Motor Control: Utilised in motor speed control and regulation.

Electronic Switching: Integral to electronic switching circuits.

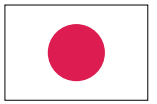
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Power Electronics
- Lighting
- Automotive
- Industrial Automation

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

PHOTOSENSITIVE SEMICONDUCTOR DEVICES

WHAT THIS IS:

This category includes semiconductor devices that are sensitive to light, commonly known as photosensitive devices or photodetectors.

8541.49 - Photosensitive semiconductor devices: Other

WHAT THIS IS USED FOR:

Photosensitive semiconductor devices have various applications, including:

Imaging: Used in cameras, both digital and traditional film cameras.

Optical Sensors: Applied in devices for detecting light and measuring its intensity.

Communication: Used in fibre optic communication systems.

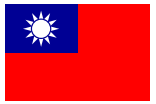
Security Systems: Employed in surveillance cameras and light-sensitive alarms.

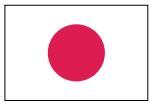
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Consumer Electronics
- Telecommunications
- Security and Surveillance
- Medical Imaging

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Taiwan


Japan


South Korea


United States

SEMICONDUCTOR-BASED TRANSDUCERS

WHAT THIS IS:

Semiconductor-based transducers are devices that convert physical quantities into electrical signals using semiconductor materials.

8541.51 - Semiconductor-based transducers

WHAT THIS IS USED FOR:

These transducers have various applications, including:

Sensors: Used to detect physical changes like temperature, pressure, or light.

Medical Devices: Applied in healthcare for measuring biological parameters.

Automation: Used in industrial processes for monitoring and control.

Consumer Electronics: Found in devices like accelerometers in smartphones.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Healthcare
- Manufacturing
- Consumer Electronics
- Environmental Monitoring

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

SEMICONDUCTOR DEVICES

WHAT THIS IS:

Semiconductor devices encompass a broad category of electronic components that utilise semiconductor materials, including transistors, diodes, and integrated circuits.

8541.59 - Semiconductor devices, NESOI

WHAT THIS IS USED FOR:

Semiconductor devices have diverse applications, including:

Logic and Memory: Used in computers and electronic memory devices.

Power Electronics: Applied in power supplies, voltage regulators, and inverters.

Communication: Integral to devices for signal processing and communication.

Control Systems: Utilised in automation and control systems in various industries.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Information Technology
- Power Electronics
- Telecommunications
- Automotive

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


South Korea


United States

MOUNTED PIEZOELECTRIC CRYSTALS

WHAT THIS IS:

Mounted piezoelectric crystals are piezoelectric elements securely attached or mounted on a substrate or support structure.

8541.60 - Mounted piezoelectric crystals

WHAT THIS IS USED FOR:

These crystals have various applications, including:

Sensors: Used for measuring pressure, acceleration, and force.

Ultrasonic Transducers: Applied in medical imaging and industrial cleaning.

Electronic Frequency Devices: Utilised in oscillators and resonators.

Actuators: Used for precise motion control in robotics and machinery.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Healthcare
- Manufacturing
- Electronics
- Aerospace

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

TIER 3B -

MECHANICAL AND OTHER COMPONENTS USED IN RUSSIAN WEAPONS SYSTEMS

BALL BEARINGS

WHAT THIS IS:

Ball bearings are rolling-element bearings that utilise balls to reduce friction between moving parts, enabling smooth and efficient rotational motion.

8482.10 - Ball bearings

WHAT THIS IS USED FOR:

Ball bearings have various applications, including:

Automotive: Used in vehicle wheels, transmissions, and engines.

Industrial Machinery: Applied in manufacturing equipment and machinery.

Aerospace: Utilised in aircraft engines and control systems.

Consumer Electronics: Found in devices with rotating components like hard drives.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Automotive
- Manufacturing
- Aerospace
- Consumer Electronics

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

TAPERED ROLLER BEARINGS

WHAT THIS IS:

Tapered roller bearings consist of tapered inner and outer ring raceways and tapered rollers. The design allows the bearing to handle both radial and axial loads.

8482.20 - Tapered roller bearings, including cone and tapered roller assemblies

WHAT THIS IS USED FOR:

Tapered roller bearings have various applications, including:

Automotive: Used in vehicle wheel hubs, transmissions, and axles.

Industrial Machinery: Applied in heavy-duty machinery and equipment.

Mining: Utilised in mining equipment for robust load-bearing capacity.

Railways: Found in locomotives and rolling stock components.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Automotive
- Heavy Machinery
- Rail Transportation
- Manufacturing

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

SPHERICAL ROLLER BEARINGS

WHAT THIS IS:

Spherical roller bearings are rolling-element bearings with two rows of rollers, which are spherically shaped, allowing the bearing to accommodate misalignment and axial loads.

8482.30 - Spherical roller bearings

WHAT THIS IS USED FOR:

Spherical roller bearings have various applications, including:

Heavy Machinery: Applied in crushers, vibrating screens, and heavy-duty equipment.

Mining: Utilised in mining and mineral processing equipment.

Paper Mills: Found in machinery for paper manufacturing processes.

Steel Mills: Used in equipment for steel production and processing.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Mining
- Manufacturing
- Pulp and Paper
- Metallurgy

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

CYLINDRICAL ROLLER BEARINGS

WHAT THIS IS:

Other cylindrical roller bearings, including cage and roller assemblies, are rolling-element bearings with cylindrical rollers held by a cage. They provide high radial load capacity and are suitable for various applications.

8482.50 - Other cylindrical roller bearings, including cage and roller assemblies

WHAT THIS IS USED FOR:

These bearings have various applications, including:

Machine Tools: Used in precision machinery for accurate rotation.

Gearboxes: Applied in transmission systems for smooth power transfer.

Electric Motors: Found in motors for various industrial and commercial applications.

Rail Transportation: Utilised in railway vehicles and components.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Manufacturing
- Automotive
- Electrical Machinery
- Rail Transportation

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Japan


Germany


United States

AIRCRAFT PARTS

WHAT THIS IS:

This category includes various components and parts that are integral to the construction, functioning, and operation of aeroplanes, helicopters, or unmanned aircraft.

8807.30 - Other parts of aeroplanes, helicopters, or unmanned aircraft

WHAT THIS IS USED FOR:

These parts have diverse applications, including:

Airframe Components: Forming the structure of the aircraft.

Aero Engines: Providing propulsion for the aircraft.

Avionics: Electronic systems for navigation and communication.

Landing Gear: Supporting take off and landing operations.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Aerospace and Defence
- Aviation Services
- Unmanned Aerial Vehicles (UAVs)
- Space Exploration

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Europe


Russia


United States

LASER SIGHTS

WHAT THIS IS:

This category includes lasers, excluding laser diodes, and other optical instruments, specifically telescopic sights designed for fitting to firearms.

9013.10 - Lasers, other than laser diodes; other optical appliances and instruments: Telescopic sights for fitting to arms

WHAT THIS IS USED FOR:

Telescopic sights for fitting to arms have specific applications, including:

Firearms Precision: Used for aiming and targeting in firearms.

Hunting: Applied in hunting rifles for accuracy at a distance.

Military and Law Enforcement: Utilised in rifles for tactical operations.

Sports Shooting: Found in competitive shooting events for precision.

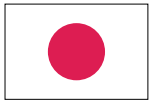
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Defence and Military
- Hunting and Outdoor Sports
- Law Enforcement
- Precision Shooting

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


Russia


United States

NON-DIODE LASERS

WHAT THIS IS:

This category encompasses lasers, excluding laser diodes, which are devices that emit coherent and focused light through stimulated emission of photons.

9013.80 - Lasers, other than laser diodes; other optical appliances and instruments, NESOI

WHAT THIS IS USED FOR:

Lasers, other than laser diodes, have diverse applications, including:

Medical Procedures: Used in surgeries, dermatology, and dental treatments.

Industrial Cutting and Welding: Applied for precise material processing.

Communication Systems: Utilised in fibre optic communication networks.

Scientific Research: Found in laboratories for various experiments.

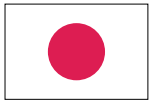
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Healthcare
- Manufacturing
- Telecommunications
- Research and Development

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

SPACE & AIR NAVIGATION

WHAT THIS IS:

This category includes instruments and appliances designed for aeronautical or space navigation purposes.

9014.20 - Instruments and appliances for aeronautical or space navigation (other than compasses)

9014.80 - Other navigational instruments and appliances

WHAT THIS IS USED FOR:

Instruments and appliances for aeronautical or space navigation have specific applications, including:

Aircraft Navigation: Used for precise navigation and positioning in aviation.

Spacecraft Guidance: Applied for navigation and orientation in space missions.

Satellite Control: Utilised in controlling and navigating satellites in orbit.

Aerospace Exploration: Found in spacecraft for navigation during exploration missions.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Aerospace and Defence
- Satellite Technology
- Space Exploration
- Aviation Services

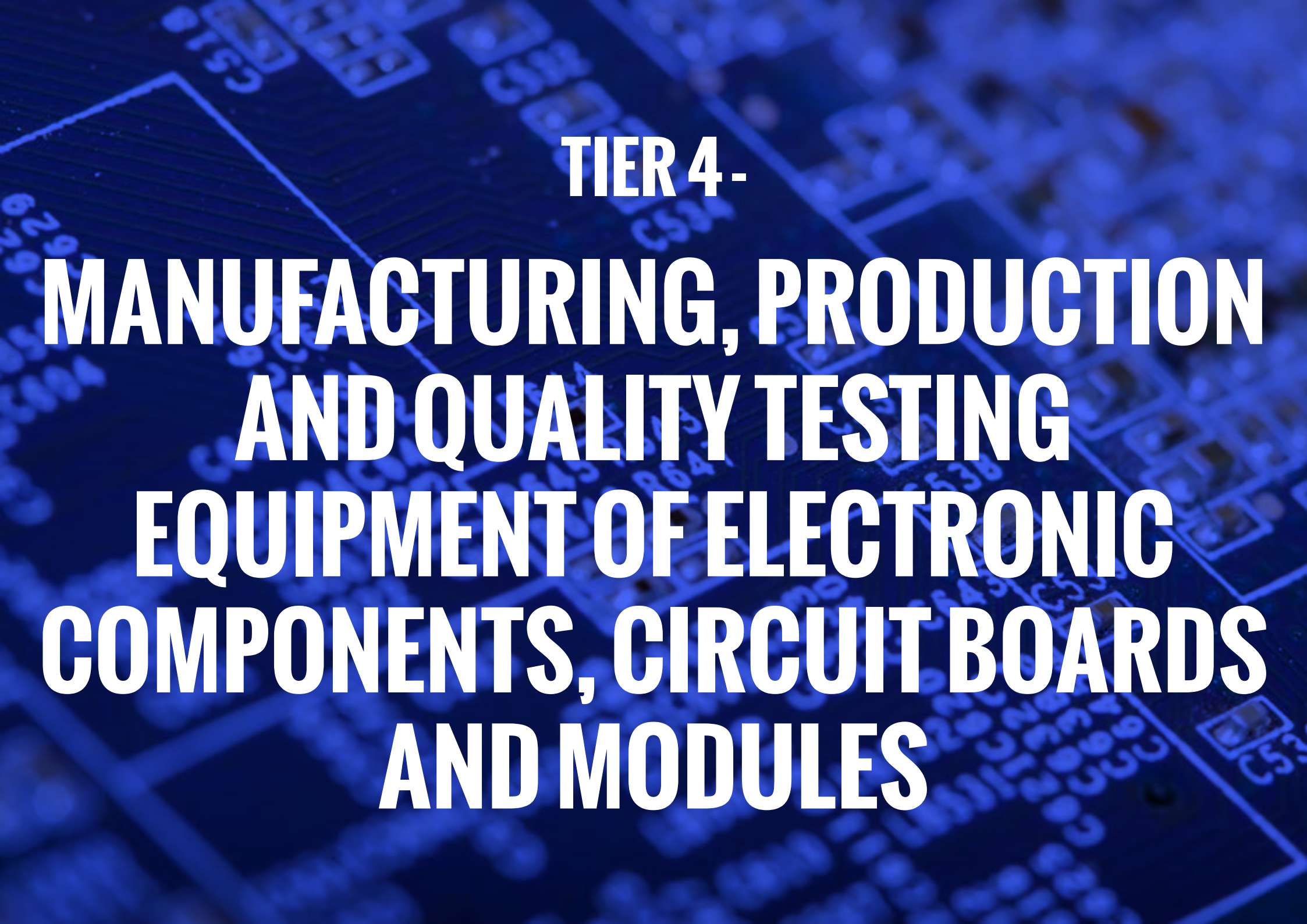
COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


China


Europe


Russia


United States


TIER 4 -
MANUFACTURING, PRODUCTION AND QUALITY TESTING EQUIPMENT OF ELECTRONIC COMPONENTS, CIRCUIT BOARDS AND MODULES

COMPUTERS

WHAT THIS IS:

Automatic Data Processing Machines, commonly known as computers, are electronic devices designed to process and manage data automatically.

8471.80 - Other units of automatic data processing machines

WHAT THIS IS USED FOR:

Automatic Data Processing Machines have diverse applications, including:

Information Processing: Used for data storage, retrieval, and manipulation.

Business and Finance: Applied in accounting, financial analysis, and transactions.

Scientific Research: Utilised for simulations, modelling, and data analysis.

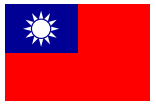
Communication: Found in networking and internet-related activities.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Information Technology
- Finance and Banking
- Scientific Research
- Communication and Technology

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Taiwan


Japan


China


United States

BOULE & WAFER MANUFACTURING

WHAT THIS IS:

Machines and apparatus for the manufacture of boules or wafers are specialised equipment used in the semiconductor manufacturing process to create boules (single crystal ingots) or wafers (thin slices) for the production of electronic components.

8486.10 - Machines and apparatus: For the manufacture of boules or wafers

WHAT THIS IS USED FOR:

These machines have specific applications, including:

Semiconductor Production: Used in the creation of semiconductor materials.

Wafer Fabrication: Applied in the process of slicing boules into thin wafers.

Electronic Component Manufacturing: Integral to the production of integrated circuits.

Photovoltaic Industry: Utilised in the manufacturing of solar cells.

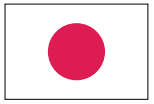
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Semiconductor Manufacturing
- Electronics
- Solar Energy
- Research and Development

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


South Korea


United States

SEMICONDUCTOR MANUFACTURING

WHAT THIS IS:

Machines and apparatus for the manufacture of semiconductor devices or electronic integrated circuits are specialised equipment used in the semiconductor fabrication process to produce electronic components such as integrated circuits.

8486.20 - Machines and apparatus: For the manufacture of semiconductor devices or electronic integrated circuits

WHAT THIS IS USED FOR:

These machines have specific applications, including:

Semiconductor Fabrication: Used in the production of integrated circuits.

Wafer Processing: Applied in various stages of wafer manufacturing.

Etching and Deposition: Utilised for precise material removal and layer deposition.

Photolithography: Found in the process of creating intricate patterns on wafers.

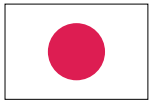
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Semiconductor Manufacturing
- Electronics
- Information Technology
- Communication Technology

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


South Korea


United States

SEMICONDUCTOR ASSEMBLY

WHAT THIS IS:

This category includes machines and apparatus used in various stages of the semiconductor manufacturing process, encompassing the production or repair of masks and reticles, the assembly of semiconductor devices, and equipment for lifting, handling, loading, or unloading semiconductor devices.

8486.40 - Machines and apparatus: For the manufacture or repair of masks and reticles; for assembling semiconductors devices; for lifting, handling, loading or unloading of semiconductor devices

WHAT THIS IS USED FOR:

These machines have specific applications, including:

Mask and Reticle Manufacturing: Used for creating or repairing photomasks and reticles.

Semiconductor Assembly: Applied in the process of assembling integrated circuits.

Handling and Loading: Utilised for the safe and precise movement of semiconductor wafers and devices.

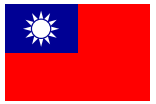
Equipment for Manufacturing: Found in various stages of semiconductor production.

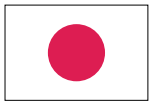
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Semiconductor Manufacturing
- Electronics Assembly
- Material Handling
- Technology and Innovation

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Taiwan


Japan


Germany


United States

PRINTED CIRCUITS

WHAT THIS IS:

Printed circuits, commonly known as printed circuit boards (PCBs), are flat boards made of insulating materials with conductive pathways etched or printed on the surface. They provide a platform for the assembly and connection of electronic components.

8534.00 - Printed circuits

WHAT THIS IS USED FOR:

Printed circuits have specific applications, including:

Electronic Devices: Essential for the functioning of electronic devices and systems.

Computers and IT Equipment: Integral to the construction of computer hardware.

Consumer Electronics: Used in a wide range of consumer devices like smartphones and televisions.

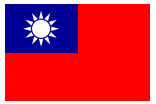
Automotive Electronics: Found in vehicles for control systems and entertainment.

INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Information Technology
- Consumer Electronics
- Automotive Industry

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Taiwan


Germany


China


United States

SIGNAL GENERATORS

WHAT THIS IS:

Signal generators are electronic devices designed to produce electrical waveforms, such as sine, square, or triangular waves, at various frequencies and amplitudes. They are used for testing and calibrating electronic equipment.

8543.20 - Signal generators

WHAT THIS IS USED FOR:

Signal generators have specific applications, including:

Electronics Testing: Used to verify the performance of electronic circuits.

Communication Systems: Applied in testing and aligning communication equipment.

Research and Development: Utilised in laboratories for experimentation and prototyping.

Educational Purposes: Found in educational institutions for practical training.

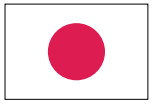
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Telecommunications
- Research and Development
- Education

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

OPTICAL RADIATION INSTRUMENTS

WHAT THIS IS:

This category includes instruments and apparatus that utilise optical radiations, including ultraviolet (UV), visible light, and infrared (IR) wavelengths. These devices can analyse, measure, or manipulate light for various applications.

9027.50 - Other instruments and apparatus using optical radiations (ultraviolet, visible, infrared)

WHAT THIS IS USED FOR:

Instruments and apparatus using optical radiations have specific applications, including:

Spectroscopy: Used for analysing the composition of materials based on their interaction with light.

Imaging Systems: Applied in medical imaging, surveillance, and industrial inspections.

Communication: Found in optical communication systems using visible or infrared light.

Materials Analysis: Utilised for research and quality control in material science.

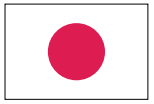
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Healthcare
- Telecommunications
- Research and Development
- Manufacturing

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

OSCILLOSCOPES & OSCILLOGRAPHS

WHAT THIS IS:

Oscilloscopes and oscillographs are electronic instruments used to visualise and analyse electrical signals over time. They display voltage signals as waveforms on a screen, allowing detailed analysis of signal characteristics.

9030.20 - Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical quantities: Oscilloscopes and oscillographs

WHAT THIS IS USED FOR:

Oscilloscopes and oscillographs have specific applications, including:

Waveform Analysis: Used to visualise and measure the shape and frequency of electrical signals.

Troubleshooting: Applied in electronics repair and debugging to identify faults.

Research and Development: Utilised in laboratories for testing and experimentation.

Quality Control: Found in manufacturing for testing electronic components.

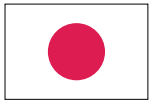
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Telecommunications
- Automotive Electronics
- Research and Development

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

ELECTRICAL MEASUREMENT INSTRUMENTS

WHAT THIS IS:

Multimeters with a recording device are versatile electronic instruments designed to measure various electrical parameters, including voltage, current, resistance, and power. They have the added capability of recording measurements over time.

9030.32 - Other instruments and apparatus, for measuring or checking voltage, current, resistance or power: Multimeters, with a recording device

9030.39 - Other instruments and apparatus, for measuring or checking voltage, current, resistance or power: Other, with a recording device

WHAT THIS IS USED FOR:

Multimeters with a recording device have specific applications, including:

Continuous Monitoring: Used for recording electrical parameters over extended periods.

Troubleshooting: Applied in diagnosing intermittent electrical issues.

Data Logging: Utilised for detailed analysis and reporting of electrical measurements.

Quality Control: Found in manufacturing for monitoring and recording production processes.

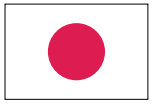
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Electronics Manufacturing
- Energy and Power
- Telecommunications
- Research and Development

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


China


United States

SEMICONDUCTOR OSCILLOSCOPES

WHAT THIS IS:

This category includes specialised instruments and apparatus designed for measuring or checking electrical quantities specifically tailored for semiconductor wafers or devices. It may involve equipment such as oscilloscopes, spectrum analyzers, and other precision instruments.

9030.82 - Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical quantities: For measuring or checking semiconductor wafers or devices

WHAT THIS IS USED FOR:

Instruments for measuring or checking semiconductor wafers or devices have specific applications, including:

Quality Control: Used for assessing the electrical properties of semiconductor components.

Device Characterization: Applied in detailed analysis of semiconductor devices.

Process Monitoring: Utilised to ensure consistency and reliability in semiconductor manufacturing.

Failure Analysis: Found in diagnosing and troubleshooting semiconductor issues.

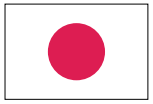
INDUSTRIES INVOLVED:

This item is fundamental to numerous industries, such as:

- Semiconductor Manufacturing
- Electronics R&D
- Integrated Circuit Production
- Failure Analysis Services

COUNTRIES THIS ITEM'S PRODUCTION INVOLVES:


Germany


Japan


South Korea


United States

Annex I: The Common High Priority List

TIER	HS6 CODE	ITEM
1	8542.31	Electronic integrated circuits: Processors and controllers, whether or not combined with memories, convertors, logic circuits, amplifiers, clock and timing circuits, or other circuits
	8542.32	Electronic integrated circuits: Memories
	8542.33	Electronic integrated circuits: Amplifiers
	8542.39	Electronic integrated circuits: Other
2	8517.62	Machines for the reception, conversion, and transmission or regeneration of voice, images or other data, including switching and routing apparatus
	8526.91	Radar apparatus, radio navigational aid apparatus and radio remote control apparatus: Radio navigational aid apparatus
	8532.21	Other fixed capacitors: Tantalum capacitors
	8532.24	Other fixed capacitors: Ceramic dielectric, multilayer
	8548.00	Electrical parts of machinery or apparatus, not specified or included elsewhere in chapter 85
3A	8471.50	Processing units other than those of subheading 8471.41 or 8471.49, whether or not containing in the same housing one or two of the following types of unit: Storage units, input units, output

8504.40	Electrical transformers, static convertors (for example, rectifiers) and inductors; part thereof: Static convertors
8517.69	Other apparatus for the transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network
8525.89	Television cameras, digital cameras and video camera recorders
8529.10	Parts suitable for use solely or principally with the apparatus of headings 8524 to 8528; Antennas and antenna reflectors of all kinds; parts suitable for use therewith
8529.90	Parts suitable for use solely or principally with the apparatus of headings 8524 to 8528: Other
8536.69	Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors; other
8536.90	Electrical apparatus for switching or protecting electrical circuit, or for making connections to or in electrical circuits: Other apparatus
8541.10	Diodes, other than photosensitive or light-emitting diodes
8541.21	Transistors, other than photosensitive, with a dissipation rate of less than 1W
8541.29	Transistors, other than photosensitive, Nesoi
8541.30	Thyristors, diacs and triacs, other than photosensitive devices
8541.30	Photosensitive semiconductor devices: Other

	8541.51	Semiconductor-based transducers
	8541.59	Semiconductor devices, Nesoi
	8541.60	Mounted piezoelectric crystals
3B	8482.10	Ball bearings
	8482.20	Tapered roller bearings, including cone and tapered roller assemblies
	8482.30	Spherical roller bearings
	8482.50	Other cylindrical roller bearings, including cage and roller assemblies
	8807.30	Other parts of aeroplanes. Helicopters or unmanned aircraft
	9013.10	Lasers, other than laser diodes; other optical appliances and instruments: Telescopic sights for fitting to arms
	9013.80	Lasers, other than laser diodes; other optical appliances and instruments, Nesoi
	9014.20	Instruments and appliances for aeronautical or space navigation (other than compasses)
	9014.80	Other navigational instruments and appliances

4	8471.80	Other units of automatic data processing machines
	8486.10	Machines and apparatus: For the manufacture of boules or wafers
	8486.20	Machines and apparatus: For the manufacture semiconductor devices or of electronic integrated circuits
	8486.40	Machines and apparatus: For the manufacture or repair of masks and reticles; for assembling semiconductors devices; for lifting, handling, loading or unloading of semiconductor devices
	8534.00	Printed circuits
	8543.20	Signal generators
	9027.50	Other instruments and apparatus using optical radiations (ultraviolet, visible, infrared)
	9030.20	Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical quantities: Oscilloscopes and oscillographs
	9030.32	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power: Multimeters, with a recording device
	9030.39	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power: Other, with a recording device
	9030.82	Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical quantities: For measuring or checking semiconductor wafers or devices

Annex II: How VinciWorks can help

The field of economic sanctions has been growing increasingly complicated in recent years. As events in Russia, Iran, China and other countries grab global headlines, businesses are struggling to stay on top of changes. This page contains a library of free guides, policy templates, on-demand webinars and blogs to help your organisation get to grips with the latest sanctions.

Online courses

Sanctions: Complying with International Restrictions
Sanctions: Latest Developments
Sanctions: Know Your Transaction

Policy templates

Sanctions policy template

Online guides

Sanctions compliance: What your law firm needs to know
Compliance and the Russian invasion of Ukraine
Sanctions at Work: A Guide to Compliance
Guide to US sanctions on Iran
Guide to risk based third party due diligence

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