

# Supplier List

The Apple supplier list represents 98 percent of our direct spend for materials, manufacturing, and assembly of our products worldwide for fiscal year 2021.



#### **Supplier Name Primary Locations Where Manufacturing for Apple Occurs** Guangdong; Jiangsu; Shanghai **3M** China mainland Yamagata Japan Gyeonggi-Do South Korea Singapore Singapore Alabama; Iowa; Minnesota; Ohio; South Carolina; Wisconsin **United States AAC Acoustic Technologies Holdings Incorporated** Guangdong; Jiangsu China mainland **Advanced Micro Devices Incorporated** Germany Dresden **United States** California; New York **Advanced Semiconductor Engineering Incorporated** Jiangsu; Shanghai China mainland Japan Yamagata Gyeonggi-Do South Korea Singapore Singapore Kaohsiung; Nantou; Taoyuan Taiwan Haiphong Vietnam **AGC Incorporated** Belgium Antwerp Guangdong China mainland Chiba; Fukushima; Hyogo Japan Lamphun Thailand AKM Meadville Electronics (Xiamen) Company Limited Guangdong; Shanghai China mainland Chongqing; Shanghai Alpha and Omega Semiconductor Limited China mainland **United States** Oregon



Alps Alpine Company Limited	Jiangsu	China mainland
	Fukushima; Miyagi; Niigata; Okayama	Japan
	Negeri Sembilan	Malaysia
Amkor Technology Incorporated	Shanghai	China mainland
	Fukui; Hokkaido	Japan
	Laguna	Philippines
	Gwangju; Incheon	South Korea
	Hsinchu; Taoyuan	Taiwan
Amphenol Corporation	Guangdong; Jiangsu; Shanghai; Zhejiang	China mainland
	Connecticut	United States
ams AG	Styria	Austria
	Penang	Malaysia
	Laguna	Philippines
	Singapore	Singapore
	Taoyuan	Taiwan
	California; Texas	United States



Analog Devices Incorporated	Munster	Ireland
	Perak	Malaysia
	Cavite	Philippines
	Singapore	Singapore
	Gwangju	South Korea
	Hsinchu; Tainan; Taoyuan	Taiwan
	Bangkok	Thailand
	California; Oregon	United States
Asia Vital Components Company Limited	Hubei; Jiangsu	China mainland
AT & S Austria Technologie & Systemtechnik AG	Chongqing; Shanghai	China mainland
Baotou Inst Magnetic New Materials Co., Limited	Inner Mongolia	China mainland
Beijing Zhong Ke San Huan High-Tech Co., Limited	Zhejiang	China mainland
Biel Crystal Manufactory Limited	Guangdong	China mainland
	Hong Kong	Hong Kong
	Bac Ninh	Vietnam
BOE Technology Group Company Limited	Anhui; Chongqing	China mainland
Boyd Corporation	Guangdong; Jiangsu	China mainland
	Chihuahua	Mexico
	Wisconsin	United States
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Broadcom Limited	Migdal HaEmek	Israel
	Gwangju; Gyeonggi-Do	South Korea
	Hsinchu; Taoyuan	Taiwan
	California; Colorado	United States
Bumchun Precision Company Limited	Gyeonggi-Do	South Korea
BYD Company Limited	Guangdong; Shanghai	China mainland
Career Technology (Mfg.) Company Limited	Jiangsu	China mainland
	Taipei	Taiwan
Catcher Technology Company Limited	Jiangsu	China mainland
	Tainan	Taiwan
Cheng Uei Precision Industry Company Limited (Foxlink)	Guangdong; Jiangsu	China mainland
	Andhra Pradesh	India
	Taipei	Taiwan
Chengdu Homin Technology Company Limited	Sichuan	China mainland
China Circuit Technology (Shantou) Corporation	Guangdong	China mainland
Cirrus Logic Incorporated	Singapore	Singapore
	Taoyuan	Taiwan
	Texas	United States
CN Innovations Holdings Limited	Guangdong; Hubei	China mainland
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Compal Electronics Incorporated	Chongqing; Jiangsu	China mainland
	Phetchaburi	Thailand
	Vinh Phuc	Vietnam
Compeq Manufacturing Company Limited	Chongqing; Guangdong; Jiangsu	China mainland
	Taoyuan	Taiwan
Consumer HK Holdco II Limited	Hong Kong	Hong Kong
Corning Incorporated	Chungcheongnam-do	South Korea
	Tainan	Taiwan
	Kentucky; New York	United States
Cosmosupplylab Limited	Guangdong	China mainland
	Chonburi	Thailand
Cowell E Holdings Incorporated	Guangdong	China mainland
Crystal-Optech Co., Limited	Zhejiang	China mainland
	California	United States
CTM Holdings Limited	Guangdong; Jiangsu	China mainland
CymMetrik Enterprise Company Limited	Guangdong; Henan; Jiangsu	China mainland
Delta Electronics Incorporated	Jiangsu	China mainland
	Hsinchu	Taiwan
	Chachoengsao	Thailand
Derkwoo Electronics Company Limited	Gyeongsangbuk-do	South Korea
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Dexerials Corporation	Tochigi; Yamanashi	Japan
	California	United States
Diodes Incorporated	Shanghai; Sichuan	China mainland
	Thuringia	Germany
	Hsinchu	Taiwan
	Manchester	United Kingdom
	California	United States
Dynapack International Technology Corporation	Jiangsu	China mainland
ENEOS Holdings Incorporated	Ibaraki; Kanagawa	Japan
Flex Limited	Guangdong	China mainland
	Cork	Ireland
	Lodi	Italy
	Tamil Nadu	India
	Ebene	Mauritius
	California; Tennessee; Texas	United States
Flexium Interconnect Incorporated	Jiangsu	China mainland
	Kaohsiung	Taiwan
Fujian Nanping Aluminium Company Limited	Sichuan	China mainland
Fujikura Limited	Shanghai	China mainland
	Tokyo	Japan
	Lamphun; Pathum Thani; Phra Nakhon Si Ayutthaya; Prachin Buri	Thailand



Future Hi Tech Company Limited	Shanghai	China mainland
General Interface Solution Limited	Guangdong; Sichuan	China mainland
Genius Electronic Optical Company Limited	Fujian	China mainland
	Taichung	Taiwan
GigaDevice Semiconductor Incorporated	Beijing	China mainland
Global Lighting Technologies	Shanghai	China mainland
GoerTek Incorporated	Guangdong; Jiangsu; Shandong	China mainland
	Bac Ninh	Vietnam
Hama Naka Shoukin Industry Company Limited	Jiangsu	China mainland
Henkel AG & Company, KGaA	Guangdong; Shandong; Shanghai	China mainland
	Baden-Wuerttemberg	Germany
	Sabana Grande	Puerto Rico
	Minnesota; New Hampshire; Ohio	United States
Hi-P International Limited	Jiangsu; Shanghai	China mainland
Hirose Electric Company Limited	Aomori; lwate; Miyagi; Toyama	Japan
	Gyeonggi-Do	South Korea
Hitachi Limited	Ibaraki; Osaka; Shimane; Tokyo	Japan
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Hon Hai Precision Industry Company Limited (Foxconn)	Amazonas; Sao Paulo	Brazil
	Guangdong; Henan; Hubei; Jiangsu; Shanxi; Sichuan; Zhejiang	China mainland
	Tamil Nadu	India
	California; Texas	United States
	Bac Giang	Vietnam
IDEMIA Group	California	United States
II-VI Incorporated	California; Illinois; New Jersey; Pennsylvania; Texas	United States
INB Electronics Limited	Guangdong	China mainland
	Phu Tho	Vietnam
Infineon Technologies AG	Carinthia	Austria
	Jiangsu	China mainland
	Bavaria; Saxony	Germany
	Kedah; Melaka	Malaysia
	Cavite; Laguna	Philippines
	Singapore	Singapore
	Hsinchu; Tainan	Taiwan
	Texas	United States



Intel Corporation	Liaoning; Sichuan	China mainland
	County Kildare	Ireland
	Penang	Malaysia
	Minho	Portugal
	Singapore	Singapore
	Arizona; Massachusetts; New Mexico; Oregon	United States
	Ho Chi Minh City	Vietnam
Inventec Corporation	Shanghai	China mainland
J.Pond Industry (Dongguan) Company Limited	Guangdong; Jiangsu	China mainland
Jabil Incorporated	Guangdong; Jiangsu; Sichuan; Tianjin	China mainland
	Maharashtra	India
	Taichung	Taiwan
	California	United States
Japan Aviation Electronics Industry Limited	Aomori; Yamagata	Japan
Japan Display Incorporated	Guangdong; Jiangsu	China mainland
	Chiba	Japan
JCET Group Company Limited	Jiangsu	China mainland
	Singapore	Singapore
	Incheon	South Korea
Jiangsu Gian Technology Company Limited	Jiangsu	China mainland
Jiangyin Kangrui Molding Technology Company Limited	Jiangsu	China mainland
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Kam Kiu Aluminium Products Group Limited	Guangdong	China mainland
Kinsus Interconnect Technology Corporation	Hsinchu; Taoyuan	Taiwan
Kioxia Holdings Corporation	Shanghai	China mainland
	Mie; Tokyo	Japan
	California	United States
Knowles Corporation	Jiangsu	China mainland
	Penang	Malaysia
Ko Ja (Cayman) Co., Limited	Jiangsu	China mainland
Kunshan Kersen Science and Technology Company Limited	Jiangsu	China mainland
Kyocera Corporation	Guangdong	China mainland
	Kagoshima; Kyoto; Shiga; Yamagata	Japan
Largan Precision Company Limited	Guangdong	China mainland
	Taichung	Taiwan
Lattice Semiconductor Corporation	Oregon	United States
Lens Technology Company Limited	Guangdong; Huanghua; Hunan; Jiangsu; Zhejiang	China mainland
	Bac Giang	Vietnam
LG Chem Limited	Jiangsu	China mainland
	Chungcheongbuk-do; Seoul	South Korea
LG Display Company Limited	Guangdong; Jiangsu; Shandong	China mainland
	Gyeonggi-Do; Gyeongsangbuk-do	South Korea
	Haiphong	Vietnam



## Supplier Name Primary Locations Where Manufacturing for Apple Occurs

LG Innotek Company Limited	Gyeonggi-Do; Gyeongsangbuk-do	South Korea
	Haiphong	Vietnam
Lingyi iTech (Guangdong) Company	Amazonas	Brazil
	Guangdong; Henan; Jiangsu; Sichuan	China mainland
	Tamil Nadu	India
	Bac Giang	Vietnam
Lite-On Technology Corporation	Guangdong; Jiangsu; Tianjin	China mainland
LOTES Company Limited	Guangdong	China mainland
Luen Fung Group	Guangdong	China mainland
Lumentum Holdings Incorporated	Taoyuan	Taiwan
	California	United States
Lumileds Holding B.V.	Penang	Malaysia
	Singapore	Singapore
	California	United States
Luxshare Precision Industry Company Limited	Anhui; Jiangsu; Jiangxi; Shanghai; Zhejiang	China mainland
	Bac Giang; Nghe An	Vietnam
LX Semicon	Daejeon; Gyeongsangbuk-do	South Korea
Marian Incorporated	Guangdong; Jiangsu	China mainland
	Indiana	United States
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MegaChips Corporation	Johor; Perak	Malaysia
	Laguna	Philippines
	Singapore	Singapore
	Incheon	South Korea
	Hsinchu; Tainan; Taoyuan	Taiwan
	California	United States
MicroChip Technology Incorporated	Perak	Malaysia
	Laguna	Philippines
	Singapore	Singapore
	Tainan; Taoyuan	Taiwan
	Hampshire	United Kingdom
	California; Colorado	United States
Micron Technology Incorporated	Shaanxi	China mainland
	Hiroshima	Japan
	Singapore	Singapore
	Hsinchu; Taichung; Taoyuan	Taiwan



Supplier Name	Primary Locations Where Manufacturing for Apple Occurs	
MinebeaMitsumi Incorporated	Shandong; Shanghai	China mainland
	Phnom Penh	Cambodia
	Hokkaido; Kanagawa; Miyazaki; Tokyo; Yamagata	Japan
	Cebu	Philippines
	Lopburi; Phra Nakhon Si Ayutthaya	Thailand
	California	United States
Molex Incorporated	Shanghai	China mainland
	Kagoshima; Shizuoka	Japan
	Penang	Malaysia
	Gyeonggi-Do	South Korea
Murata Manufacturing Company Limited	Guangdong; Jiangsu	China mainland
	Fukui; Ishikawa; Miyagi; Miyazaki; Nagano; Okayama; Shiga; Shimane; Toyama	Japan
	Perak	Malaysia
	Hsinchu	Taiwan
	Lamphun	Thailand
	Da Nang; Tien Giang	Vietnam
MYS Group Company Limited	Chongqing; Guangdong; Jiangsu	China mainland
	Bac Ninh	Vietnam
Nanofilm Technologies International Private Limited	Shanghai	China mainland
	Hai Duong	Vietnam
Nanya Technology Corporation	Jiangsu	China mainland
	Taoyuan	Taiwan



Supplier Name	Primary Locations Where Manufacturing for Apple Occurs	
Nichia Corporation	Tokushima	Japan
	California	United States
Nidec Corporation	Guangdong	China mainland
	Laguna	Philippines
	Phra Nakhon Si Ayutthaya	Thailand
Nippon Light Metal Holdings Company, Limited	Jiangsu	China mainland
	Aichi	Japan
Nissha Company Limited	Hyogo; Ishikawa; Shiga	Japan
	Bac Ninh	Vietnam
Nitto Denko Corporation	Guangdong; Shanghai	China mainland
	Aichi; Hiroshima; Mie; Osaka	Japan
	Gyeonggi-Do; Gyeongsangbuk-do	South Korea
	California	United States
NOK Corporation	Guangdong; Jiangsu	China mainland
	Ibaraki	Japan
	Kaohsiung; Tainan	Taiwan
	Phra Nakhon Si Ayutthaya	Thailand
	Hung Yen	Vietnam
NXP Semiconductors N.V.	Nijmegen	Netherlands
	Kaohsiung	Taiwan



ON Semiconductor Corporation	Oudenaarde	Belgium
	Guangdong; Jiangsu; Sichuan	China mainland
	Zlín Region	Czech Republic
	Migdal HaEmek	Israel
	Niigata	Japan
	Negeri Sembilan	Malaysia
	Cavite; Cebu; Tarlac State	Philippines
	Gyeonggi-Do	South Korea
	Singapore	Singapore
	Hsinchu	Taiwan
	Arizona; Idaho; Maine; Oregon; Pennsylvania	United States
Paishing Technology Company	Chongqing; Guangdong	China mainland
Panasonic Corporation	Jiangsu; Shandong	China mainland
	Jawa Barat; West Java	Indonesia
	Fukui; Hokkaido; Kyoto; Mie; Niigata; Okayama; Saga; Toyama	Japan
Parade Technologies Limited	Singapore	Singapore
	Gwangju; Incheon	South Korea
	Changhua; Hsinchu; Miaoli; Taipei; Taoyuan	Taiwan
	California	United States



Pegatron Corporation	New South Wales	Australia
	Jiangsu; Shanghai	China mainland
	Moravian-Silesian Region	Czech Republic
	Tamil Nadu	India
	Riau Islands	Indonesia
	Tokyo	Japan
	Singapore	Singapore
	Seoul	South Korea
	Taoyuan	Taiwan
	California	United States
Phone In Mag-Electronics Company Limited	Guangdong; Henan; Jiangsu	China mainland
Pioneer Material Precision Tech Company Limited	Chongqing; Guangdong; Jiangsu	China mainland
	Taipei	Taiwan
Plansee Group	Shanghai	China mainland
POSCO International	Gyeongsangbuk-do	South Korea
Power Integrations Incorporated	California	United States
Qorvo Incorporated	Beijing; Guangdong; Shandong	China mainland
	Heredia	Costa Rica
	Hsinchu	Taiwan
	Oregon; Texas	United States
Quadrant Solutions	Zhejiang	China mainland



QUALCOMM Incorporated	Styria	Austria
	Jiangsu	China mainland
	Bavaria	Germany
	Singapore	Singapore
	Cambridgeshire	United Kingdom
	California	United States
Quanta Computer Incorporated	Chongqing; Shanghai	China mainland
	Bangkok	Thailand
R.R. Donnelley and Sons Company	Guangdong; Henan; Jiangsu; Shanghai; Sichuan	China mainland
	Tamaulipas	Mexico
	Hai Duong	Vietnam
Radiant Opto-Electronics Corporation	Jiangsu; Guangdong	China mainland
Renesas Electronics Corporation	Nabern	Germany
	Perak	Malaysia
	Singapore	Singapore
	Hsinchu; Taoyuan	Taiwan
	California; Vermont	United States
Robert Bosch GmbH	Jiangsu	China mainland
	Reutlingen	Germany



Supplier Name	Primary Locations Where Manufacturing for Apple Occurs	
Rohm Company Limited	Tianjin	China mainland
	Cavite	Philippines
	Fukuoka; Kyoto; Miyazaki; Okayama	Japan
	Kelantan	Malaysia
	Pathum Thani	Thailand
SABIC - Saudi Arabian Oil Company	Guangdong; Shanghai	China mainland
	Indiana	United States
Samsung Electro-Mechanics Company Limited	Tianjin	China mainland
	Laguna	Philippines
	Busan; Gyeonggi-Do; Sejong	South Korea
	Chachoengsao	Thailand
Samsung Electronics Company Limited	Jiangsu	China mainland
	Chungcheongbuk-do; Chungcheongnam-do; Gyeonggi-Do; Gyeongsangbuk-do; Seoul	South Korea
	Texas	United States
	Bac Ninh	Vietnam
Samsung SDI Company Limited	Guangdong; Tianjin	China mainland
	South Chungcheong	South Korea
Seoul Semiconductor Company Limited	Gyeonggi-Do	South Korea
	California	United States
	Ha Nam	Vietnam
SFS Group AG	Jiangsu	China mainland
	Johor	Malaysia



Shandong	China mainland
Henan; Jiangsu; Shandong; Sichuan	China mainland
California	United States
Bac Ninh	Vietnam
Jiangsu	China mainland
Mie	Japan
Binh Duong	Vietnam
Guangdong	China mainland
Guangdong	China mainland
Guangdong; Jiangsu	China mainland
Guangdong	China mainland
Jiangsu	China mainland
Beijing; Guangdong; Jiangsu	China mainland
Guangdong; Henan; Jiangsu; Shanghai; Sichuan	China mainland
Karnataka	India
Bac Ninh	Vietnam
Jiangsu; Shandong	China mainland
Taipei	Taiwan
Jiangsu	China mainland
	Henan; Jiangsu; Shandong; Sichuan  California  Bac Ninh  Jiangsu  Mie  Binh Duong  Guangdong  Guangdong  Guangdong: Jiangsu  Guangdong: Jiangsu  Beijing; Guangdong; Jiangsu  Guangdong; Henan; Jiangsu; Shanghai; Sichuan  Kamataka  Bac Ninh  Jiangsu; Shandong  Taipei



SK hynix Incorporated	Chongqing; Jiangsu	China mainland
	Chungcheongbuk-do; Gyeonggi-Do	South Korea
Skyworks Solutions Incorporated	Osaka	Japan
	Perak	Malaysia
	Baja California	Mexico
	Singapore	Singapore
	Hsinchu; Tainan	Taiwan
	California; Massachusetts	United States
Solvay SA	Jiangsu	China mainland
	Georgia; Ohio	United States
Sony Corporation	Kagoshima; Kanagawa; Miyagi; Nagasaki; Yamagata	Japan
	Pathum Thani	Thailand
	California	United States



STMicroelectronics N.V.	Guangdong	China mainland
	Auvergne-Rhone-Alpes; Centre-Val De Loire; Grenoble; Provence-Alpes-Cote D'Azur	France
	Baden-Wuerttemberg	Germany
	Lombardy; Sicily	Italy
	Johor; Perak	Malaysia
	Malta	Malta
	Laguna	Philippines
	Singapore	Singapore
	Gwangju; Incheon	South Korea
	Tainan; Taoyuan	Taiwan
Stora Enso Oyj	Guangdong; Hebei; Jiangsu; Zhejiang	China mainland
	Northern Savonia	Finland
Sumitomo Chemical Company Limited	Jiangsu	China mainland
	Gyeonggi-Do	South Korea
	Ehime; Tokyo	Japan
Sumitomo Electric Industries Limited	Guangdong	China mainland
	Aomori; Shiga	Japan
	Laguna	Philippines
	Hanoi	Vietnam



Sunrex Technology Corporation	Jiangsu	China mainland
Sunwoda Electronic Company Limited	Guangdong	China mainland
	Uttar Pradesh	India
Suzhou Anjie Technology Company Limited	Jiangsu	China mainland
	California	United States
Suzhou Dongshan Precision Manufacturing Company Limited	Jiangsu	China mainland
Suzhou Zhongjiemai Panel Industry Technology Company Limited	Jiangsu	China mainland
Synaptics Incorporated	Ibaraki	Japan
Taiwan Hodaka Technology Company Limited	Tainan	Taiwan
Taiwan Powder Technologies Co., Limited	Jiangsu	China mainland
Taiwan Semiconductor Manufacturing Company Limited	Hsinchu; Taichung; Tainan; Taoyuan	Taiwan
	Washington	United States
Taiwan Surface Mounting Technology Corporation	Jiangsu	China mainland
	Tamil Nadu	India
Taiyo Yuden Company Limited	Guangdong	China mainland
	Fukushima; Gunma; Niigata; Wakayama	Japan
	Sarawak	Malaysia
	Gyeongsangnam-do	South Korea
	Cebu	Philippines



## Supplier Name Primary Locations Where Manufacturing for Apple Occurs

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TDK Corporation	Fujian; Guangdong; Jiangsu; Liaoning; Shandong; Shanghai	China mainland
	Akita; Nagano; Yamagata; Yamanashi	Japan
	Hsinchu	Taiwan
	Phra Nakhon Si Ayutthaya	Thailand
	California; Wisconsin	United States
Texas Instruments Incorporated	Sichuan	China mainland
	Bavaria	Germany
	Fukushima; Ibaraki; Nagano	Japan
	Melaka; Selangor	Malaysia
	Benguet; Pampanga	Philippines
	Singapore	Singapore
	Taipei	Taiwan
	Maine; Texas	United States
Tianma Micro-Electronics (Hong Kong) Limited	Fujian; Hubei	China mainland
Tongda Group Holdings Limited	Fujian; Guangdong	China mainland
Toyoda Gosei Co., Limited	Aichi	Japan
	Taichung; Tainan	Taiwan
TPK Holding Company Limited	Fujian	China mainland
Trio Metal Company Limited	Guangdong	China mainland
Triotek Technology Incorporated	Guangdong	China mainland
Tripod Technology Corporation	Jiangsu	China mainland
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Supplier Name	Primary Locations Where Manufacturing for Apple Occurs	
TXC Corporation	Zhejiang	China mainland
	Aomori	Japan
	Taoyuan	Taiwan
UACJ Corporation	Jiangsu	China mainland
	Aichi	Japan
Unimicron Technology Corporation	Jiangsu	China mainland
	Hokkaido	Japan
	Hsinchu; Taoyuan	Taiwan
Unitech Printed Circuit Board Corporation	Taipei; Yilan	Taiwan
United Test and Assembly Center Limited	Guangdong	China mainland
	Singapore	Singapore
	Bangkok	Thailand
VARTA Microbattery GmbH	Baden-Wuerttemberg	Germany
Viavi Solutions Incorporated	Jiangsu	China mainland
Western Digital Corporation	Shanghai	China mainland
	Prachin Buri	Thailand
	California	United States
Wingtech Technology Co., Limited	Yunnan; Zhejiang	China mainland
	Negeri Sembilan	Malaysia
	Laguna	Philippines
Winox Holdings Limited	Guangdong	China mainland



Wistron Corporation	Guangdong; Jiangsu; Shanghai	China mainland
	Karnataka	India
	Texas	United States
Yageo Corporation	Fujian; Guangdong; Jiangsu; Shanghai	China mainland
	Tamaulipas	Mexico
	Kaohsiung	Taiwan
	Chachoengsao	Thailand
	Dong Nai	Vietnam
Young Poong Corporation	Gyeonggi-Do	South Korea
	Vinh Phuc	Vietnam
Zhen Ding Technology Holding Limited	Guangdong; Hebei; Jiangsu	China mainland
	Tamil Nadu	India
Zhenghe Group	Guangdong	China mainland



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This list reflects suppliers as of the end of fiscal year 2021. Updated 10/5/22.