



CONNECTOR SELECTOR GUIDE

WIRE-TO-BOARD | WIRE-TO-WIRE | BOARD-TO-BOARD | FPC/FFC | SPECIALTY APPLICATIONS



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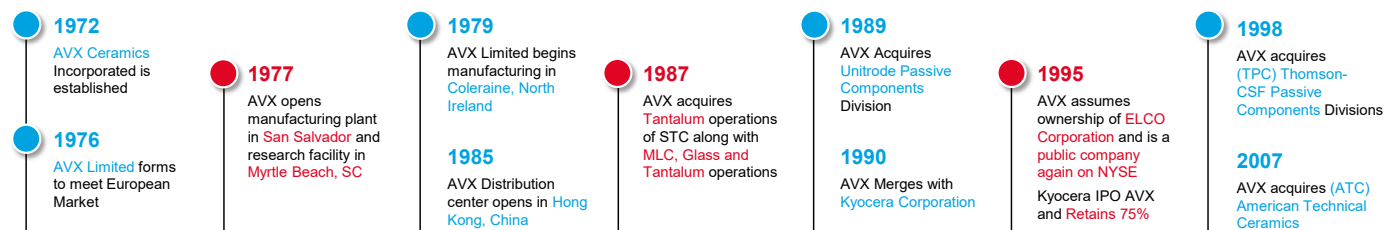
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1 ABOUT US

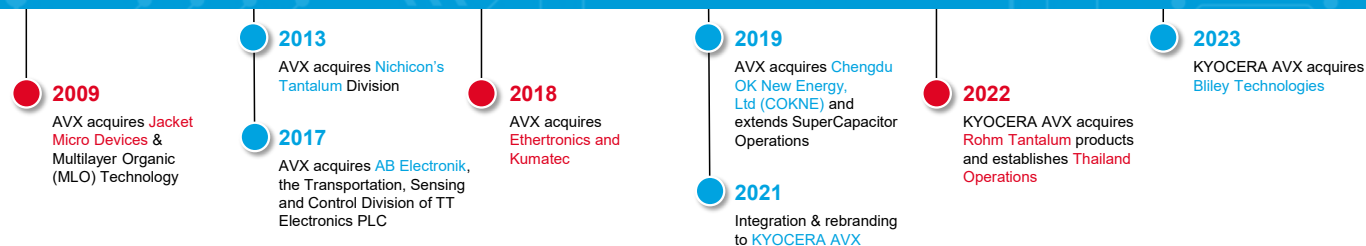


KYOCERA AVX (formerly AVX Corporation) in October 2021 announced our new brand structure - KYOCERA AVX Components Corporation. This change maximizes the synergies of our two strong brands and combines our resources of manufacturing and development.

We remain a leading international manufacturer and supplier of advanced electronic components with 33 manufacturing facilities in 16 countries around the world. KYOCERA AVX offers a broad range of devices including Capacitors, RF/ Microwave Components, Sensors, Controls, Circuit Protection Devices, Connectors and Antennas Solutions.



OUR HISTORY





KYOCERA AVX Connectors (formerly known as AVX Interconnect) has been producing connectors since 1947. Throughout the years, we have been committed to designing innovative and demanding contact systems. We have been fortunate to create synergies with well-known name brands in the electronics industry. These relationships have enhanced our research and development utilizing new materials and processes that we have integrated into our designs. Our nimble business model and passion toward creative solutions helps us better support our partners and develop problem-solving products.

A List of Our "Firsts" in the Industry:

- *Patented (VARIPIN) for its eye-of-the-needle compliant press-fit termination, this technology remains popular in automotive applications for critical systems such as passive safety and ABS/ESP*
- *VARICON tuning fork hermaphroditic contact system has been used for over 20 yrs in military and space applications*
- *We offer cost saving one-piece compression BTB contact technology*
- *Includes SMT - Insulation Displacement Contact (IDC) technology for harsh environments*

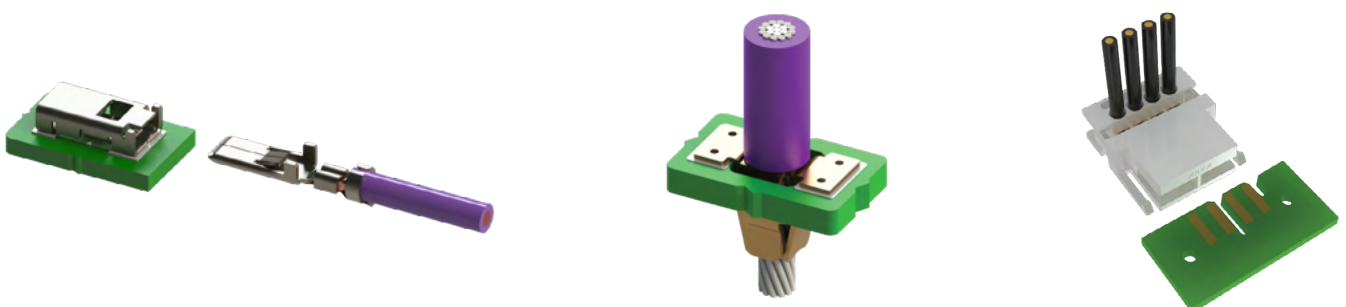
Our new structure enhances customers' access to KYOCERA AVX's Fine Pitch Technology. This offers customers access to our high-speed floating board-to-board (FloXY), FPC/FFC, and micro wire-to-board connectors. KYOCERA AVX is always expecting demand for electronic components to accelerate due to the widespread use of IoT, 5G, and Advanced Driver Assistance Systems, as well as through rapid technological innovation. We expect even more business opportunities brought about by the progression of the "4th Industrial Revolution." Given this broader connector portfolio our entire technical team can offer solutions to customers with varied applications.



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WIRE TO BOARD APPLICATIONS

Innovative contact solutions continue to drive new technology connectors for connecting discrete wires to a PCB. The most innovative solution in years was the development of single contact technology. Developed to function without an insulator, these low cost solutions provide all of the performance and functionality as a full connector system.



INSULATION DISPLACEMENT TECHNOLOGY

Standard (26-30 AWG) 9175-000		
	Application	Discrete Wire
	No. of Positions	2 & 3
	Current Rating	1A/Contact
	Voltage Rating	150 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Capped (26-30 AWG) 9175-700		
	Application	Discrete Wire
	No. of Positions	2 & 3
	Current Rating	1A/Contact
	Voltage Rating	150 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Standard (18-24 AWG) 9176-000		
	Application	Discrete Wire
	No. of Positions	1, 2, 3
	Current Rating	Up to 10A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Single (22-28 AWG) 9176-400		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 6A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Single (18-24 AWG) 9176-500		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 10A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Single Tine PTH (18-24 AWG) 9176-600		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 9A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Single Tine SMT (18-24 AWG) 9176-650		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 9A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Capped (18-24 AWG) 9176-700		
	Application	Discrete Wire
	No. of Positions	1 to 5
	Current Rating	Up to 10A/Contact
	Voltage Rating	1p: 600 VAC 2p-5p: 300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Low Profile (22-30 AWG) 9176-800		
	Application	Discrete Wire
	No. of Positions	1 to 4
	Current Rating	Up to 7A/Contact
	Voltage Rating	1p: 600 VAC 2p-4p: 100 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Standard (14-20 AWG) 9177-000		
	Application	Discrete Wire
	No. of Positions	1 to 3
	Current Rating	Up to 16A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1059 ROHS

Single (12-18 AWG) 9177-500		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 15A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Single Thru Hole (12-18 AWG) 9177-600		
	Application	Discrete Wire
	No. of Positions	1
	Current Rating	Up to 15A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Press-Fit / IDC (18-24 AWG) 53-8702		
	Application	Auto. Electronic Systems
	No. of Positions	1 to 8
	Current Rating	Up to 15A
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Card Edge (22-28 AWG) 9169-000		
	Application	WTB
	No. of Positions	2 to 10
	Current Rating	Up to 3A/Contact
	Voltage Rating	100 VAC
	Operating Temp.	-40 to +130°C
	Certifications	UL1977 ROHS

POKE-HOME TECHNOLOGY

Single Horizontal (12-28 AWG) 9296-000		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 20A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Micro Single Vertical (22-26 AWG) 9296-1X2		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 8A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Single Vertical (18-24 AWG) 9296-1X3		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 15A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Low Profile Horizontal (20-26 AWG) 9296-200		
	Application	WTB
	No. of Positions	1 to 6
	Current Rating	Up to 8A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Horizontal (18-26 AWG) 9296-400		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 10A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Inverted Thru Board (18-26 AWG) 9296-500		
	Application	Inverse WTB
	No. of Positions	1 to 6
	Current Rating	Up to 7A/Contact
	Voltage Rating	600 VAC 1p 300 VAC 2p - 6p
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Vertical Top Entry (18-26 AWG) 9296-550		
	Application	WTB
	No. of Positions	1 to 6
	Current Rating	Up to 7A/Contact
	Voltage Rating	600 VAC 1p 300 VAC 2p-6p
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Standard Vertical Top Entry (18-22 AWG) 9296-600		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 8A
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Standard Horizontal (18-26 AWG) 9276-000		
	Application	WTB
	No. of Positions	1, 2, 3, 4, 6, 8
	Current Rating	Up to 6A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Vertical Box Contact (12-18 AWG) 9296-11X		
	Application	WTB
	No. of Positions	1
	Current Rating	Up to 20A/Contact
	Voltage Rating	Dependent on Contact Spacing
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

2-PIECE CONNECTORS

Solder Cup Plug 11-9159-100		
	Application	Horizontal WTB with Latch
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Plug 14-9159-100		
	Application	Right Angle WTB with Latch
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Socket 24-9159-100		
	Application	Right Angle WTB with Latch
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Wire to Board 9288-000		
	Application	Horizontal WTB with Latch
	No. of Positions	2 to 4
	Current Rating	Up to 7A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40 to +130°C
	Certifications	UL1977 ROHS

Strip Crimp Contact 914X-000		
	Application	Discrete WTB
	No. of Positions	1
	Current Rating	Up to 8A
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

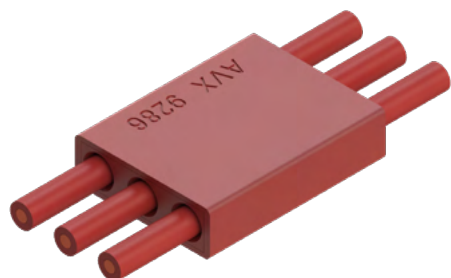
FINE PITCH TECHNOLOGY

0.9mm Pitch 8041 Series		
	Application	WTB
	No. of Positions	2
	Current Rating	DC 1.0A
	Voltage Rating	DC 30V
	D.W. Voltage	AC 500Vrms
	Wire Size	AWG #32

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WIRE TO WIRE APPLICATIONS

These connectors are based on industry proven IDC, Crimped, and Poke-Home contact technologies. Some of the typical features include latching, water resistant sealing, and branch and junction box connections.



Thru-Wire Connectors 9286-000



Application	Discrete Wire: 18-26 AWG
No. of Positions	1, 2, 3, 4, 6, 8
Current Rating	Up to 8A/Contact
Voltage Rating	300 VAC
Operating Temp.	-40°C to +125°C
Certifications	UL 1977 ROHS

Junction Box Connectors 9286-100



Application	Discrete Wire: 18-26 AWG
No. of Positions	4, 6, 8
Current Rating	10A Total
Voltage Rating	300 VAC
Operating Temp.	-40°C to +125°C
Certifications	UL 1977 ROHS

Reduced Thru Wire Connectors 9286-200



Application	Discrete Wire: 18-24 AWG
No. of Positions	1 to 6
Current Rating	Up to 8A/Contact
Voltage Rating	300 VAC
Operating Temp.	-40°C to +130°C
Certifications	UL 1977 ROHS

Reduced Junction Box Connectors 9286-250



Application	Discrete Wire: 18-24 AWG
No. of Positions	4, 6, 8
Current Rating	Up to 8A/Contact
Voltage Rating	300 VAC
Operating Temp.	-40°C to +130°C
Certifications	UL 1977 ROHS

Thru-Wire Connector 9286-300



Application	Discrete Wire: 12-18 AWG
No. of Positions	1
Current Rating	Up to 15A/Contact
Voltage Rating	600 VAC
Operating Temp.	-40°C to +130°C
Certifications	UL 1977 ROHS

Waterproof Thru Wire 9289-000



Application	Waterproof WTW
No. of Positions	2
Current Rating	Up to 10A
Voltage Rating	1000 VAC
Operating Temp.	-40 to +80°C
Certifications	UL1977 ROHS

Hermaphroditic 9288-000



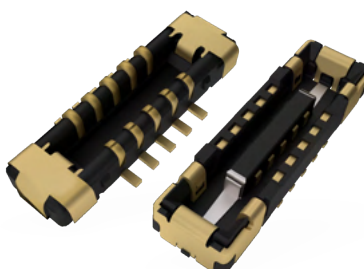
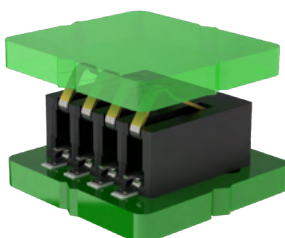
Application	2-Piece WTW
No. of Positions	2 to 4
Current Rating	Up to 7A/Contact
Voltage Rating	600 VAC
Operating Temp.	-40 to +130°C
Certifications	UL1977 ROHS

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BOARD TO BOARD APPLICATIONS

Two-Piece connectors and individual contacts provide multiple packaging solutions for perpendicular, parallel and coplanar applications. Features include ultra small pitch, low stacking heights and a broad range of pin counts.

One-Piece card edge, compression connectors and individual contacts are available for a variety of signal and power requirements.



Tall Stacker 9148-000		
	Application	BTB
	No. of Positions	8
	Current Rating	1A Continuous
	Voltage Rating	125VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Pogo Pin Single Contact 9150-000		
	Application	BTB
	No. of Positions	1
	Current Rating	1A/Contact
	Voltage Rating	Dependent on Contact Distance
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Standard 2.5mm Pitch 9155-000		
	Application	Battery or BTB Connections
	No. of Positions	3 to 5
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

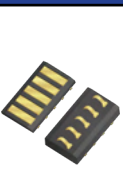
Battery Connector 1.27mm Pitch 9155-020		
	Application	Battery or BTB
	No. of Positions	2 to 5
	Current Rating	2p-3p: 3A/Contact 4p-5p: 2A/Contact
	Voltage Rating	400 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Ultra Low Profile 2.5mm Pitch 9155-100		
	Application	Battery or BTB Connections
	No. of Positions	2 & 3
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +105°C
	Certifications	ROHS

Battery Reduced 2.5mm Pitch 9155-200		
	Application	Battery or BTB Connections
	No. of Positions	2 to 5
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Battery Reduced 2.5mm Pitch 9155-250		
	Application	Battery or BTB Connections
	No. of Positions	2 to 5
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Right Angle 3.0mm Pitch 9155-300		
	Application	Battery or BTB Connections
	No. of Positions	2 to 6
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +105°C
	Certifications	ROHS

Two Piece 4.0mm Pitch 9155-400		
	Application	Battery or BTB Connections
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Right Angle 2.5mm Pitch 9155-500		
	Application	Battery or BTB Connections
	No. of Positions	2 to 5
	Current Rating	3A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Single Contact 9155-600		
	Application	BTB
	No. of Positions	1
	Current Rating	3A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Right Angle 2.0mm Pitch 9155-700		
	Application	Battery or BTB
	No. of Positions	2 to 6
	Current Rating	2p-4p: 2A 5p-6p: 1.5A
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Vertical Mate 2.0mm Pitch 9155-800		
	Application	Battery or BTB
	No. of Positions	2 to 8
	Current Rating	2-4p: 2A 5-6p: 1.5A
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Vertical Mate 2.5mm Pitch 9155-900		
	Application	Battery or BTB
	No. of Positions	2 to 6
	Current Rating	Up to 3A/Contact
	Voltage Rating	500 VAC
	Operating Temp.	-40 to +125°C
	Certifications	ROHS

Dual Row Stacker 9158-000		
	Application	BTB
	No. of Positions	16 to 32
	Current Rating	1A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-55°C to +125°C
	Certifications	ROHS

Staggered Stacker 9188-000		
	Application	BTB
	No. of Positions	4, 6, 8
	Current Rating	1A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-55°C to +125°C
	Certifications	ROHS

Ultra Low Profile Stacker 9258-000		
	Application	BTB
	No. of Positions	8
	Current Rating	1A/Contact
	Voltage Rating	125VAC
	Operating Temp.	-55°C to +125°C
	Certifications	ROHS

Low Profile Single Contact 9258-100		
	Application	BTB
	No. of Positions	1
	Current Rating	6A
	Voltage Rating	600 VAC
	Operating Temp.	-40 +125°C
	Certifications	UL1977 ROHS

2-PIECE CONNECTORS

Horizontal Plug 10-9159-100		
	Application	Linear BTB
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Vertical Plug 13-9159-100		
	Application	Perpendicular BTB
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Horizontal Socket 20-9159-100		
	Application	Linear BTB
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Top Load Socket 22-9159-100		
	Application	Linear BTB
	No. of Positions	2 to 6
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Shorting Socket 58-9259-002-000-006		
	Application	Shorting Socket
	No. of Positions	2
	Current Rating	5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Linking Contact System 9159-300		
	Application	Linear BTB
	No. of Positions	1
	Current Rating	Up to 20A/Contact
	Voltage Rating	600 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Single 2-Piece Contacts 9159-400		
	Application	Linear BTB
	No. of Positions	1
	Current Rating	5A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

CARD EDGE TECHNOLOGY

Standard 9159-000		
	Application	Linear BTB
	No. of Positions	2 to 5
	Current Rating	3A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Open-Ended 9159-060		
	Application	Linear BTB
	No. of Positions	4, 6, 8, 10
	Current Rating	3.0 Amps 4p / 6p, 2.5 Amps 8p / 10p
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Inverted Thru Board 9159-500		
	Application	Perpendicular BTB
	No. of Positions	2 to 6
	Current Rating	2A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +120°C
	Certifications	UL 1977 ROHS

Vertical Top Entry 9159-550		
	Application	Perpendicular BTB
	No. of Positions	2 to 6
	Current Rating	2A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Dual Row Inverted Thru Board 9159-600		
	Application	Perpendicular BTB
	No. of Positions	4, 6, 8, 10, 12
	Current Rating	Up to 2A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Vertical Dual Row Top Entry 9159-650		
	Application	Perpendicular BTB
	No. of Positions	4, 6, 8, 10, 12
	Current Rating	Up to 2A/Contact
	Voltage Rating	300 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	UL 1977 ROHS

Linear Card Edge with Springs 9159-7X0		
	Application	Linear BTB
	No. of Positions	4, 6, 8, 10, 12
	Current Rating	Up to 2A/Contact
	Voltage Rating	150 VAC
	Operating Temp.	-40°C to +130°C
	Certifications	UL 1977 ROHS

Dual Entry Vertical 9159-800		
	Application	Perpendicular BTB
	No. of Positions	4 to 20
	Current Rating	Up to 2A
	Voltage Rating	150 VAC
	Operating Temp.	-40 to +125°C
	Certifications	UL1977 ROHS

PCIe M.2 6411 Series		
	Type	H2.3 H3.2
	Pitch	0.5mm
	No. of Positions	67
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 300 Vrms

*Compatible with the PCI-SIG, PCI Express® M.2 specifications

FINE PITCH TECHNOLOGY

*FloXY® is a product brand of Kyocera AVX's Floating Board to Board Connector series

0.5mm Pitch 5652 Series		
	Stacking Height	15 to 20mm
	No. of Positions	20 to 100
	Current Rating	DC 0.6A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 500 Vrms
	Floating	XY ± 0.85mm

0.5mm Pitch 5656 Series		
	Stacking Height	17 to 20mm
	No. of Positions	20 to 80
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 250 Vrms
	Floating	XY ± 1.0mm

0.5mm Pitch 5655 Series		
	Stacking Height	4.0 to 7.0mm
	No. of Positions	30 to 80
	Current Rating	DC 0.7A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 500 Vrms
	Floating	XY ± 0.5mm

0.4mm Pitch 8152 Series		
	Stacking Height	3.5mm
	No. of Positions	30
	Current Rating	DC 0.3A
	Voltage Rating	DC 30V
	D.W. Voltage	AC 250 Vrms
	Floating	XY ± 0.4mm

0.5mm Pitch 5046 Series		
	Stacking Height	3.0 / 3.5 / 4.0 / 4.5mm
	No. of Positions	20 to 120
	Current Rating	AC/DC 0.4A
	Voltage Rating	AC/DC 50V
	D.W. Voltage	AC 500 Vrms

0.5mm Pitch 5047 Series		
	Stacking Height	5.0 / 7.0mm
	No. of Positions	20 to 100
	Current Rating	AC/DC 0.4A
	Voltage Rating	AC/DC 50V
	D.W. Voltage	AC 500 Vrms

0.4mm Pitch 5846 Series		
	Stacking Height	3.0mm
	No. of Positions	20 to 80
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 250 Vrms

0.4mm Pitch 5908 Series		
	Stacking Height	2.0mm
	Width	4.2mm
	No. of Positions	20 to 50
	Current Rating	DC 0.5A
	Voltage Rating	DC 30V
	D.W. Voltage	AC 250 Vrms

0.4mm Pitch 5804 Series		
	Stacking Height	0.9 / 1.5 / 2.0mm
	Width	2.4mm
	No. of Positions	10 to 70
	Current Rating	DC 0.3A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 250 Vrms

0.35mm Pitch 5843 Series		
	Stacking Height	0.8mm
	Width	2.4mm
	No. of Positions	12 to 48
	Current Rating	DC 0.3A
	Voltage Rating	DC 60V
	D.W. Voltage	AC 250 Vrms

0.35mm Pitch 5861 Series		
	Stacking Height	0.6mm
	Width	1.95mm
	No. of Positions	6 to 60
	Current Rating	DC 0.5A (~40 Pin) DC 0.3A (42 Pin~) DC 5.0A (Metal Tab)
	Voltage Rating	DC 60V
	D.W. Voltage	AC 250 Vrms

0.35mm Pitch 5863 Series		
	Stacking Height	0.8mm
	Width	2.3mm
	No. of Positions	50 to 60
	Current Rating	DC 0.3A DC 5.0A (Metal Tab)
	Voltage Rating	DC 60V
	D.W. Voltage	AC 250 Vrms

0.35mm Pitch 7129 Series		
	Stacking Height	0.7mm
	Width	2.2mm
	No. of Positions	2/4 (Signal) 4 (Power)
	Current Rating	DC 0.4A (Signal) DC 10A (2Power Cont.)
	Voltage Rating	DC 30V
	D.W. Voltage	250 Vrms

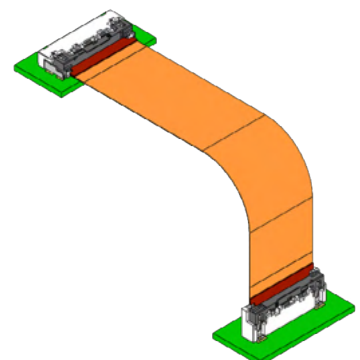
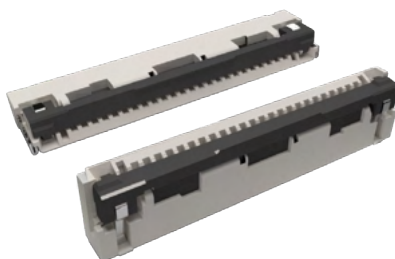
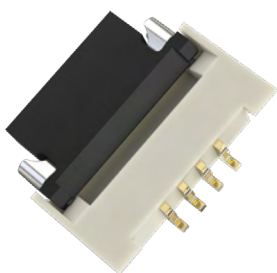
0.35mm Pitch 5897 Series		
	Stacking Height	0.8mm
	Width	2.3mm
	No. of Positions	78
	Current Rating	DC 0.3A DC 3.0A (Metal Tab)
	Voltage Rating	DC 50V
	D.W. Voltage	AC 250 Vrms

0.3mm Pitch 5814 Series		
	Stacking Height	0.6mm
	Width	1.5mm
	No. of Positions	10 to 50
	Current Rating	DC 0.5A DC 5.0A (Metal Tab)
	Voltage Rating	DC 50V
	D.W. Voltage	AC 250 Vrms

5

FPC/FFC APPLICATIONS

Our FPC/FFC connectors are contributing to space-saving design with high-speed data transmission for variety types of application. Wide range of product type featuring One-Action locking, ZIF, Non-ZIF/LIF and etc. are provided for achieving customers' requests.



1.0mm Pitch 6232 Series (SMT)		
	Profile Height	3.0mm (Right Angle) 5.1mm (Vertical)
	No. of Positions	3 to 30
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 500 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Top, Bottom

1.0mm Pitch 6232 Series (DIP)		
	Profile Height	3.0mm (Right Angle) 5.5mm (Vertical)
	No. of Positions	3 to 30
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 500 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Single

0.5mm Pitch 6284 Series		
	Profile Height	1.5mm
	No. of Positions	5 to 30
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Dual

0.5mm Pitch 6244 Series		
	Profile Height	4.1mm
	No. of Positions	6 to 30
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Single

0.5mm Pitch 6277 Series		
	Profile Height	0.9mm
	No. of Positions	3 to 6
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Dual

0.5mm Pitch 6298 Series		
	Profile Height	0.9mm
	No. of Positions	3 to 9
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Bottom

0.5mm Pitch 6809 Series		
	Profile Height	0.93mm
	No. of Positions	4 to 40
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6811 Series		
	Profile Height	1.28mm
	No. of Positions	4 to 16
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6806 Series		
	Profile Height	1.75mm
	No. of Positions	8 to 80
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6815 Series		
	Profile Height	1.9mm
	No. of Positions	96 to 100
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6892 Series		
	Profile Height	2.2mm
	No. of Positions	30 to 68
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm (Signal) 0.5mm (Sound)
	Contact	Bottom

0.5mm Pitch 6288 Series		
	Profile Height	2.0mm
	No. of Positions	8 to 80
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6801 Series		
	Profile Height	5.5mm
	No. of Positions	20 to 50
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm (Compatible with 6288)
	Contact	Single

0.5mm Pitch 6251 Series		
	Profile Height	5.45mm
	No. of Positions	10 to 64
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm (Compatible with 6288)
	Contact	Single

0.5mm One-Action Locking 6817 Series		
	Profile Height	2.6mm (Right Angle) 5.32mm (Vertical)
	No. of Positions	10 to 50
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm (Signal) 0.5mm (Ground)
	Contact	Bottom (Right Angle) Single (Vertical)

0.5mm One-Action Locking 6810 Series		
	Profile Height	4.1mm (Right Angle) 6.0mm (Vertical)
	No. of Positions	10 to 60
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm (Signal) 0.5mm (Ground)
	Contact	Bottom (Right Angle) Single (Vertical)

0.5mm Pitch One Action Locking 6893 Series		
	Profile Height	2.8mm
	No. of Positions	10 to 60
	Current Rating	DC 0.5A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.5mm Pitch 6882 Series		
	Profile Height	2.1mm
	No. of Positions	10 to 61
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Dual

0.4mm Pitch 6824 Series		
	Profile Height	0.93mm
	No. of Positions	4 to 22
	Current Rating	DC 0.4A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Dual

0.4mm Pitch 6287 Series		
	Profile Height	1.2mm
	No. of Positions	14 to 76
	Current Rating	DC 0.4A
	Voltage Rating	DC 40V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.3mm
	Contact	Bottom

0.3mm Pitch 6841 Series		
	Profile Height	3.6mm
	No. of Positions	15 to 51
	Current Rating	DC 0.2A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Single

0.3mm Pitch 6293 Series		
	Profile Height	0.9mm
	No. of Positions	9 to 39
	Current Rating	DC 0.2A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Dual

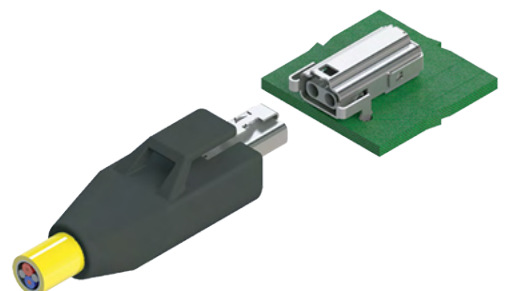
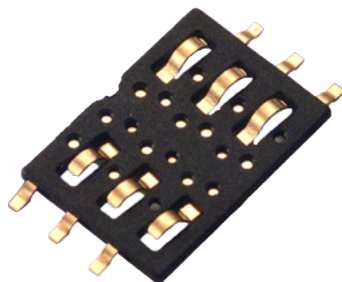
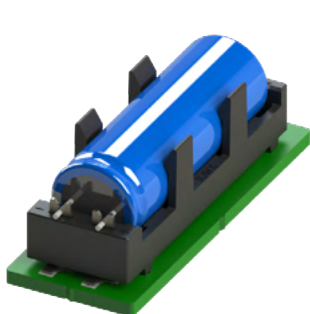
0.3mm Pitch 6844 Series		
	Profile Height	0.95mm
	No. of Positions	11 to 61
	Current Rating	DC 0.2A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Bottom

0.2mm Pitch 6866 Series		
	Profile Height	0.95mm
	No. of Positions	21 to 71
	Current Rating	DC 0.2A
	Voltage Rating	DC 50V
	D.W. Voltage	AC 200 Vrms
	FPC/FFC Thickness	0.2mm
	Contact	Bottom

6

SPECIALTY APPLICATIONS

Specialty connectors are advanced interconnect solutions designed for specific applications that require enhanced performance, durability, or unique configurations. These connectors are used in industries such as aerospace, medical, automotive, and industrial automation, where standard connectors may not meet stringent requirements.



SINGLE PAIR ETHERNET

SPE IP20 Jack 20-6780-000		
	Application	Automation / Industrial
	No. of Positions	2
	Current Rating	4A/Contact
	Voltage Rating	60VDC
	Operating Temp.	-40°C to +85°C
	Certifications	ROHS

SPE IP20 Cable Assembly 10-6780-000		
	Application	Automation / Industrial
	No. of Positions	2
	Current Rating	4A/Contact
	Voltage Rating	60VDC
	Operating Temp.	-40°C to +85°C
	Certifications	ROHS

CAPACITOR HOLDER

SMT Capacitor Holder 9115-000		
	Application	Capacitor Holder
	No. of Positions	2
	Current Rating	Up to 8A
	Voltage Rating	500 VAC
	Operating Temp.	-40°C to +125°C (Dependent on Cap)
	Certifications	ROHS

INPUT/OUTPUT PRODUCTS

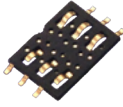
Standard I/O 15P 9157-015		
	Application	Portable Devices: Industrial/Medical
	No. of Positions	15
	Current Rating	Up to 1.5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-55°C to +125°C
	Certifications	ROHS

Reduced Size 9257-000		
	Application	Portable Devices: Industrial/Medical
	No. of Positions	16
	Current Rating	Up to 1A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-55°C to +85°C
	Certifications	ROHS

Standard I/O 19P 9157-019		
	Application	Portable Devices: Industrial/Medical
	No. of Positions	19
	Current Rating	Up to 1.5A/Contact
	Voltage Rating	125 VAC
	Operating Temp.	-55°C to +125°C
	Certifications	ROHS

Mini 9257-100		
	Application	Portable Devices: Industrial/Medical
	No. of Positions	12
	Current Rating	Up to 0.5A/Contact
	Voltage Rating	50 VAC
	Operating Temp.	-25°C to +85°C
	Certifications	ROHS

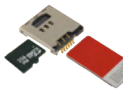
MEMORY PRODUCTS

SIM Block 9162-000		
	Application	Cellular Phones / Radios
	No. of Positions	6
	Current Rating	Up to 0.5A/Contact
	Voltage Rating	50 VAC
	Operating Temp.	-40°C to +80°C
	Certifications	ROHS

Slide-In SIM 9162-200		
	Application	Cellular Phones / Radios
	No. of Positions	6
	Current Rating	Up to 0.5A/Contact
	Voltage Rating	50 VAC
	Operating Temp.	-40°C to +105°C
	Certifications	ROHS

Locking SIM 9162-300		
	Application	Cellular Phones / Radios
	No. of Positions	6
	Current Rating	Up to 0.3A/Contact
	Voltage Rating	30 VAC
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS

Slide-In Low Profile SIM 9162-400		
	Application	Cellular Phones / Radios
	No. of Positions	6
	Current Rating	Up to 0.3A/Contact
	Voltage Rating	15 VAC
	Operating Temp.	-25°C to +70°C
	Certifications	ROHS

SIM/Micro SD Combination 9162-500		
	Application	Cellular Phones / Radios
	No. of Positions	6
	Current Rating	Up to 0.3A/Contact
	Voltage Rating	15 VAC
	Operating Temp.	-25°C to +70°C
	Certifications	ROHS

MicroSD 5138 Series		
	Application	SD Memory Cards
	No. of Positions	8
	Current Rating	DC 0.5A
	Voltage Rating	DC 5V
	D.W. Voltage	AC 500 Vrms
	Operating Life	10,000

POWER TERMINALS

9069 Series		
	No. of Positions	6 / 8 / 10
	Pitch	3.18mm (6pos.) 2.54mm (8, 10pos.)
	Current Rating	AC/DC 18A (6pos.) AC/DC 24A (8pos.) AC/DC 30A (10pos.)
	Application Screw	M4

SHIELD LOCKS

8069 Series		
	Stacking Height	1.8 / 3.0mm
	Current Rating	AC/DC 0.5A
	Voltage Rating	AC/DC 5V
	Thickness	0.2mm

BRANCH CONNECTORS

IDC Splice Connector 9179-000		
 	Current Rating	Up to 13A
	Voltage Rating	600 VAC
	Wire Size	18 - 24 AWG
	Operating Temp.	-40°C to +125°C
	Certifications	ROHS and UL1977

Branch Connector 9715 Series		
 	Current	Aluminum Wire: AC/DC 8.0A (0.5sq) AC/DC 9.0A (0.75sq) Copper Wire: AC/DC 9.0A (0.5sq)
	Voltage	AC/DC 125V
	D.W. Voltage	AC 1,000 Vrms
	Wire Size	Aluminum Wire: 0.5/0.75sq Copper Wire: 0.5sq

Branch Connector 9215 Series		
 	Current	Aluminum Wire: AC/DC 9.0A Copper Wire: AC/DC 3.0A (0.13sq) AC/DC 8.0A (0.3sq) AC/DC 10.0A (0.5/0.85sq)
	Voltage	AC/DC 125V
	D.W. Voltage	AC 1,000 Vrms
	Wire Size	Aluminum Wire: 0.5/0.75sq Copper Wire: 0.13/0.3/0.5/0.85sq

STAY CONNECTED!

Tools Available Online:



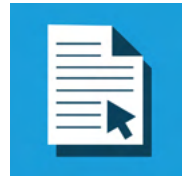
**DATASHEETS
& CATALOGS**



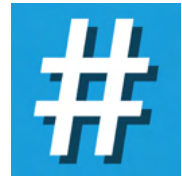
3D MODELS



VIDEOS



**APPLICATION
& PRODUCT
GUIDE**



**PART
NUMBER
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