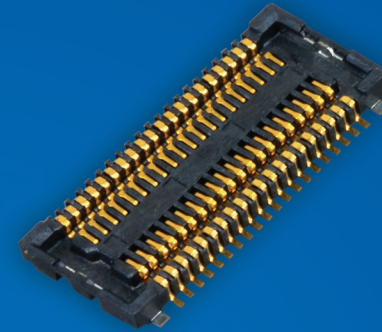


Panasonic

Panasonic

Two Riverfront Plaza, 7th Floor
Newark, NJ 07102
Toll Free 800-344-2112
na.industrial.panasonic.com
Industrial@us.panasonic.com



TOUGH CONTACT **CONNECTORS**

Narrow Pitch: Board to Board & FPC and Active Optical Connectors

 <http://www.pidtechinsights.com>

 <http://gplus.to/PIDSA>

 <http://www.twitter.com/panasonicelec>

 <http://linkd.in/1oJJw9s>

 <http://www.youtube.com/panasonicindustrial>

 <http://www.facebook.com/panasonicindustrial>

Design and specifications are subject to change without notice.
Please review technical specifications before purchase.
For any questions regarding these products, please contact your Panasonic sales representative.

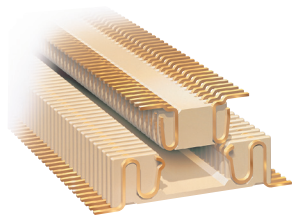
1-800-344-2112
na.industrial.panasonic.com



TOUGH CONTACT

For Tough Applications

- Withstands Physical Impact
- Resistant to Dust, Dirt & Flux
- 0.35 ~ 0.5mm Pitch
- Up to 160 Pin Count
- Slim & Space Saving
- Inspection Parts Available
- RoHS Compliant

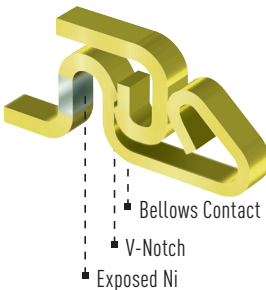


Tough Against Physical Impact

Bellows Contact Construction Gives Tough Contact Connectors Increased Tolerance to Twisting & Dropping.

Panasonic uses high precision metal processing to create a curved molding that provides the perfect amount of spring tension at the contacts. This gives an increased ability to withstand excessive shock when dropped.

Product Construction



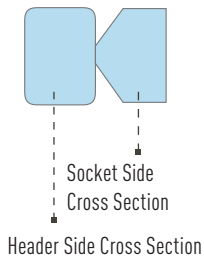
Tough Against Dust, Dirt & Flux

V-Notch Improves Contact Reliability Through Increased Resistance to Dust & Foreign Particles.

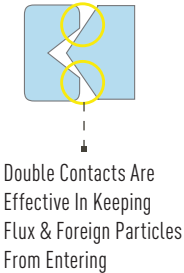
Contact pressure per unit area is increased by using the edge as the contact. Not only does this increase the ability to remove flux and foreign particles but can prevent their entry altogether.

- Two Point Contacting
- Surface Contact to Edge Contact

Typical Contact



V-Notch Contact



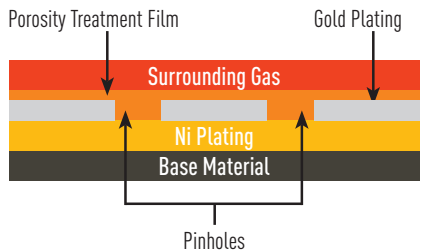
Tough Against Corrosive Gases

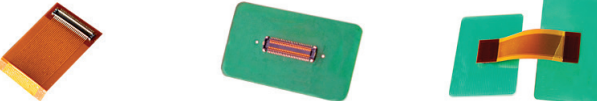
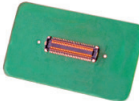
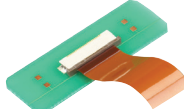
Panasonic's Porosity Treatment Improves Resistance to Corrosive Gasses.

This treatment coats the connector's surface with a very thin film to seal pinholes in the gold plating. Panasonic developed this technology to ensure the same contact reliability for thin gold plating as that of thick gold plating.

- Improved Corrosion Resistance
- Improved Insertion/Removal Durability
- Improved Contact Reliability for Digital Signals

Plating Technology



	Board to FPC							Board to FPC & Board to Board																Board to Board					FPC Connectors						ACTIVE OPTICAL CONNECTORS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Series	S35	A35US	A4F	A4US	A4S	F4S	B01	P35S	P4S			P4					P4 w/ Soldering Terminal					P5KF			P5K	P5KS										Series	Y3B	Y3BW	Y3BL	Y2B	Y5B	Y5BW	Series	V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Part Number (Socket)	AXG1*	AXG7**	AXE3**	AXE1**	AXE5**	AXT5**	AXF361500	AXT1**	AXT3**			AXK7**					AXK7**					AX5F**			AXK5**	AXK5S**										Part Number	AYF33**35	AYF33**65	AYF35**25	AYF21**35	AYF53**35	AYF53**65T	Part number (Integrated Cable and Plug)	AYG4V1**																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Part Number (Header)	AXG2*	AXG8**	AXE4**	AXE2**	AXE6**	AXT6**	AXF461500	AXT2**	AXT4**			AXK8**					AXK8**					AXK6F**			AXk6**	AXk6S**										Lock Structure	Back		Back	Back	Back	Back	Part Number (Receptacle)	AXK6S20447M*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Mated Height (mm)	0.6	0.8	0.6	0.8	0.8	1.0	1.0	1.5	1.5	2.0	2.5	3.0	3.5	4.0	1.5	2.0	2.5	3.0	3.5	4.0	1.5	2.0	2.5	3.0	3.5	4.0	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	Mounting Height (mm)	0.9	0.6	0.9	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Socket (W) (mm)	1.7	2.2	3.0	2	2.5	3.6	2.4mm	3.6	3.60			5.10					5.10					5.8			5.8	5.4										Contact Pitch (mm)	0.3	0.3	0.3	0.2	0.5	0.5	Transmission rate	20Mbps to 6Gbps																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Header (W) (mm)	1.5	1.8	2.4	1.8	2.0	2.6	1.80mm	2.35	2.35			3.96					3.96					3.3			4.6	5.0										Terminal Pitch (mm)	0.6	0.6		0.5	0.5	Transmission Sptecification	Bi-directional, 1channel																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Terminal Pitch (mm)	0.35	0.35	0.4	0.4	0.4	0.4	0.6mm	0.4	0.4			0.4					0.4					0.5			0.5	0.5										Dimension (W) (mm)	3.15	3.15	3.15	3.7	3.7	Electrical Static Discharge	2kV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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*Inspection Connectors Available @ 3000X :: Ambient Operating Temperature: -55 ~ +85°C