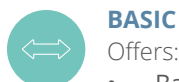


WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

PSBU – CORE SIGNAL CONNECTORS

CATEGORY / PITCH (MM)	0.80/1.00/1.20	1.25	1.50/1.80	2.00	2.50
 BASIC	OneBlade	PicoBlade	Pico-SPOX	Micro-Latch / Milli-Grid	Mini-SPOX
 ENHANCED	Pico-Clasp	Micro-Lock Plus	CLIK-Mate	Micro-Lock Plus / iGrid	Mini-Lock
 PRO	Zero-Hachi Pico-Lock Pico-EZmate Pico-EZmate Plus		Pico-Lock Pico-EZmate HC	Pico-Lock / Micro-One	



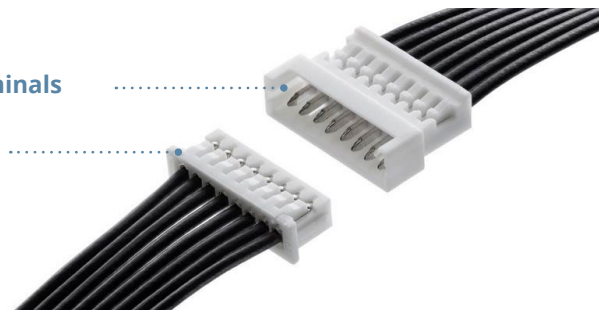
BASIC

Offers:

- Basic minimum necessary functions of connector
- Friction lock
- Unshrouded housings
- Tin-plated terminals

Tin-plated Terminals

Friction Lock



ENHANCED

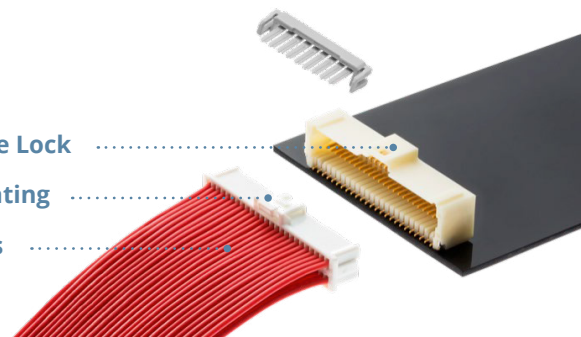
Offers:

- Additional values over Basic connector
- Positive locking
- Gold-plated available
- TPA options

High-retention Positive Lock

Click Feeling When Mating

Plating and Color Options



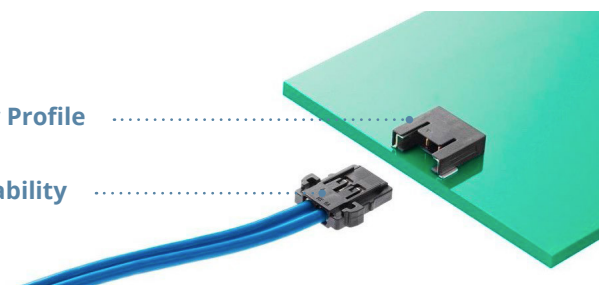
PRO

Offers:

- Lowest profile
- Higher current density
- Integrated ISL (Independent Secondary Lock)

Ultra-Low Profile

Higher-Current Capability



WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
0.80	Zero-Hachi	 214720	 214719	N/A	 214721 (SMT)	Tin Au 0.1µm	Friction	2,3,4,5,6,7 8,9,10,11, 12,13,14, 15,16,17, 18,19,20	28 to 32	2.5A	30V	 Pro
1.00	OneBlade	 214093	 214092	 214094 (SMT)	 214097 (SMT)	Tin	Friction	2,3,4,5 6,7,8	28 to 32	2.5A	100V	 Basic
	Pico-Lock 1.0	 503765	 503764	N/A	 503763 (SMT)	Gold flash	Side Positive	2,3,4,5,6	28 to 30	2.5A	150V	 Pro
	Pico-Clasp 1.0	 5013340000	 2,3,4,5 circuits	 501331 (SMT)	 501568 (SMT)	Tin	Friction 2,3,4,5	Inner Positive 6,7,8,9,10, 11,12,13, 14,15	28 to 32	2.0A	100V	 Enhanced
		 5011937000	 6,7,8,9,10, 11,12,13, 14,15 circuits	 504449 (SMT)	 202396 (SMT)	Gold flash						
		 5011938000	 501330	 203556 (SMT)	 203558 (SMT)	Gold 0.38µm						
		 5011939000	 501330	 203557 (SMT)	 203559 (SMT)	Gold 0.76µm	Outer Positive	3,4,5	28 to 32	1.5A	100V	
		 5013340000	 501330	 501940 (SMT)	 501953 (SMT)	Tin						
		 5011937000	 501330	 501940 (SMT)	 501953 (SMT)	Gold flash						
		 5011938000	 501939	 203560 (SMT)	 203562 (SMT)	Gold 0.38µm						

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

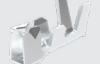
Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
1.00	Pico-Clasp 1.0	 5011939000	 501939	 203561 (SMT)	 203563 (SMT)	Gold 0.76µm	Outer Positive	3,4,5		1.5A	100V	 Enhanced
		 5011937000		 501190 (Dual, SMT)	 501571 (Dual, SMT)	Gold flash	Inner Positive	20,30,40	28 to 32	1.0A		
		 5011938000	 501189 (Dual, SMT)	 203564 (Dual, SMT)	 203566 (Dual, SMT)	Gold 0.38µm						
		 5011939000		 203565 (Dual, SMT)	 203567 (Dual, SMT)	Gold 0.76µm						

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique	
1.00	Pico-EZmate Plus 1.0	 204017	 212132	 212134 (SMT)	N/A	Gold 0.1µm	Friction	2,3,4,5,6	28 to 30	2.8A	50V	 Pro	
1.20	Pico-EZmate 1.2	 78172	 78172	 78171 (SMT)	N/A	Gold 0.1µm				2.5A			
1.25	PicoBlade	 50058/50079	 51021	 53398 (SMT)	 53261 (SMT)	Tin Gold flash Gold	Friction	2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15	28 to 32 (50058) 26 to 28 (50079)	2.5A	125V	 Basic	
		 50125/50133 (Plug terminal)	 51047 (Plug HSG)	N/A	N/A	Tin							2,3,4,5,6, 7,8,9,10
		Micro-Lock Plus 1.25	 505431	 505565 (Single)	 505568 (Single, SMT)	 505567 (Single, SMT)	Tin Gold 0.10µm Gold 0.38µm Gold 0.76µm	Outer Positive	2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15,16 (Single Row)	3.6A	50V	 Enhanced	
	 204532 (Single, LH)			 205957 (Single, Potting, LH)	N/A	Tin	 Enhanced for Potting						
	 214524			 505432 (Dual)	 505433 (Dual, SMT)	 505448 (Dual, SMT)	Tin Gold 0.1µm Gold 0.38µm Gold 0.76µm	Inner Positive	8,10,12,14, 16,18,20,22, 24,26,28,30, 32,34,36, 38,40,42 (Dual Row)	26 to 30	2.5A	 Enhanced	
				 204523 (Dual)	 207760 (Dual, LH)	N/A	Gold 0.1µm						4,6,8,10, 12,14
			N/A	 214525 (Single, Plug)	N/A	2, 3, 4, 5 6, 7, 8, 9							

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique				
1.50	Pico-Lock 1.5	 504052	 504051	N/A	 504050 (SMT)	Gold flash	Side Positive	2,3,4,5,6, 7,8,9,10, 11,12	24 to 32	3.5A	150V	 Pro				
	Pico-SPOX 1.5	 87421-0000/0100	 87439	 87437 (SMT)	 87438 (SMT)	Tin	Friction	2,3,4,5,6, 7,8, 9,10, 11,12,13, 14,15	24 to 26 (87421-0000) 26 to 30 (87421-0100)	3.5A	250V	 Basic				
		 87421-0102/0002		 202705 (SMT)	 202706 (SMT)	Gold flash		2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15	24 to 26 (87421-0002) 26-30 (87421-0102)							
	CLIK-Mate 1.5	 502578 (Single)	 503159 (T/H)	 502584 (SMT)	 502585 (SMT)	Tin	Inner Positive	2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15	24 to 28 (502579) 26 to 30 (503429)	3.0A	100V	 Enhanced				
				 503159 (T/H)	 503175 (T/H)			3,4,6,7, 8,10								
				 503395 (Bottom entry, SMT)	N/A											
				 503149 (Dual)	 503154 (Dual, SMT)	 503148 (Dual, SMT)										
		 502579, 503429	 502578 (Single)	 213225 (SMT)	 213226 (SMT)	Gold 0.1µm Gold 0.38µm		2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15	24 to 26 (213028) 26 to 28 (213029)	3.0A						
				 213227 (Dual, SMT)	 213228 (Dual, SMT)	Gold 0.76µm		8,10,12, 14,16,18, 20,22,24, 26,28,30, 32,34								
		 213028, 213029	 503149 (Dual)	 213227 (Dual, SMT)	 213228 (Dual, SMT)											

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WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique			
1.50	Spot-On 1.5					Tin	Inner Positive	2,3,4,5,6, 7,8,9,10, 11,12,13, 14,15,16 (Single) 10,12,14, 16,18,20, 22,24,26, 28,30,32, 34,36, 38,40 (Dual)	24 to 28	4.0A	100V	Unique			
										2.5A					
															
1.80	Pico-EZmate HC				N/A	Tin	Friction	2,3,4,5	22 to 24	5.0A	250V	 Pro			
2.00	Micro-Lock Plus 2.0					Tin Gold 0.1um, Gold 0.38um, Gold 0.76um	Outer Positive	2,3,4,5, 6,7,8,9, 10,11,12, 13,14, 15,16	22 to 26	4.7A	250V	 Enhanced			
			N/A		N/A	Tin	Outer Positive	2,3,4,5 6,7,8,9	22 to 26	3.4A		 Enhanced			
	Pico-Lock 2.0			N/A		Gold Flash	Side Positive	2,3,4,5,6	20 to 26	6.5A		 Pro			

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WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
2.00	Milli-Grid 2.0					Gold / Tin	Outer Positive	2,3,4,5,6, 7,8,9,10	24 to 30	3.6A	125V	 Basic
												
							Friction	4,6,8,10, 12, 14,16, 18,20, 22, 24,26,28, 30,32,34, 36,38,40, 42,44,46, 48,50		4.5A	125V	
												
												
					N/A							
	Milli-Grid BMI 2.0				N/A	Gold	N/A	6,8,10, 12,14,16, 18,20				
	iGrid 2.0					Tin	Inner Positive	10,12,14, 16,18,20, 22,24,26, 28,30,32, 34,36, 38,40	22 to 26 (501647) 26 to 28 (501648)	3.0A	250V	 Enhanced
												
						Gold flash			22 to 24 26 to 28 (503095)			

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
2.00	Spot-On 2.0	 201195	 201200	 201201 (SMT)	 201196 (Retainer)	Tin	Inner Positive	Single 2,3,4,5, 6,7,8,9, 10,11,12, 13,14, 15,16 Dual 10,12,14, 16,18,20, 22,24,26, 28,30,32, 34,36, 38,40	22 to 26	3.0A	250V	Unique
		 201196 (Dual)	 201197 (Dual, SMT)	2.5A								
	Micro-Latch 2.0	 50212, 50372	 51065	 53253 (T/H)	 53254 (T/H)	Tin	Friction	2,3,4, 5,6,7,8, 9,10,11, 12,13, 14,15	24 to 30 (50212) 22 to 26 (50372)	4.5A		 Basic
		 59354		 502603 (T/H)	N/A					Gold 0.1µm		

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WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right -Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
2.00	Board-in 2.0	 50034	 51015 (Straight)	N/A	N/A	Tin	N/A	2,3,4,5, 6,7,8,9,10	26 to 30	2.0A	125V	Unique
		 35021	 35023 (Right Angle)	N/A	N/A				24 to 30	2.5A	125V	
	Micro-One	 205979	 205971 for non GW	 217063 for potting/ GW	 205972 for non GW	Tin	Inner Positive	2,3,4,5,6,7,8	22 to 24 26 to 28 (56134)	4.0A	250V	 Pro
		 56134	 212724	 220029 (T/H)	 220030 (T/H)	Tin, Gold or N/A						
2.50	Mini-Lock 2.5	 51163	 53375 (H=11.5, T/H)	 53517 (H=17.5, T/H)	 53426 (T/H)	Tin	Outer Positive	2,3,4,5,6,7,8, 9,10,11,12,13, 14,15	20 to 26	5.0A	250V	 Enhanced
			 51164	 215931 (SMT)	 215932 (SMT)							
			 50752									
	CP-2.5 Mini	 50397	 500592	N/A	 500593 (Plug Housing)	Tin	Inner Positive	2,3,4,5,6,7,8	22 to 28	3.0A	250V	Unique
		 50398	N/A	 500817 (Retainer)								
	Mini-SPOX 2.5	 5263	 5264	 5267	 5268		Friction	2,3,4,5,6, 7,8,9,10,11, 12,13,14,15	22 to 28	4.0A		 Basic

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS

0.80 to 2.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
2.50	Board-in 2.5	 50097	 51035 (Straight)	N/A	N/A	Tin	N/A	2,3,4,5, 6,7,8,9,10, 11,12	20 to 24	4.0A	250V	Unique
		 35021	 35022 (Right Angle)	N/A	N/A			2,3,4,5,6, 7,8,9,10,11, 12,14,15	22 to 28	3.0A	125V	
	MUO	 56134 59370 505597	 505596	N/A	 505594		N/A	2,4,6	22 to 28 (56134/ 59370) 20 (505597)	6.0A	250V	Unique

WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

3.00 to 6.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
3.30	CP-3.3 WTW	 50397, 505607	 504693	N/A		Tin	Inner Positive	2,3,4,6	18 to 20 (505607) 22 to 28 (50397)	7.5A	500V	Unique
		 50398, 505608	N/A	 504694 (Plug Housing)					18 to 20 (505608) 22 to 28 (50398)			
		 50397, 505607	 505605 (Dual)	N/A				4,6,8,10,12	18 to 20 (505607) 22 to 28 (50397)	7.0A		
		 50398, 505608	N/A	 505606 (Dual)					18 to 20 (505608) 22 to 28 (50398)			
	CP-3.3 WTB	 50397, 505607	 212209	 212210	 212213 (Retainer)			18 to 20 (505607) 22 to 28 (50397)	8.5A			
	4.50	CP-4.5 WTB	 206999, 207000	 206997	N/A				2,4,6	16 to 20 (206999) 22 to 26 (207000)	10.0A	
N/A			 206996 (Plug Housing)	206998								
6.50	CP-6.5 WTW	 50597, 50598	 151049, 151207	N/A				16 to 20 (50397) 22-24 (50398)	12.5A	600V		
		 205032, 205033	N/A	 203438 (Plug Housing)				51143 (Retainer)			16 to 20 (205033) 22 to 24 (205033)	

* When using minimum circuit size and maximum wire gauge. Current (max.) *is for reference only.

WIRE-TO-BOARD SIGNAL CORE PRODUCTS >

3.00 to 6.50mm-Pitch Connectors

ORDERING INFORMATION

Pitch (mm)	Product Family	Terminal	Housing	Vertical Header	Right-Angle Header or TPA Retainer	Plating	Lock Type	Circuit Sizes	Wire Gauge (AWG)	Current (max.)*	Voltage (max.)	Basic, Enhanced, Pro, Unique
6.5	CP-6.5 WTB	 50597, 50598	 151049, 151207	 151048	 2035551xxx (Through)	Tin	Inner Positive	2,4,6	16 to 20 (50397) 22 to 24 (50398)	12.5A	600V	Unique
				N/A	 2035552xxx (SMT)							

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www.molex.com/link/wtb_signal.html