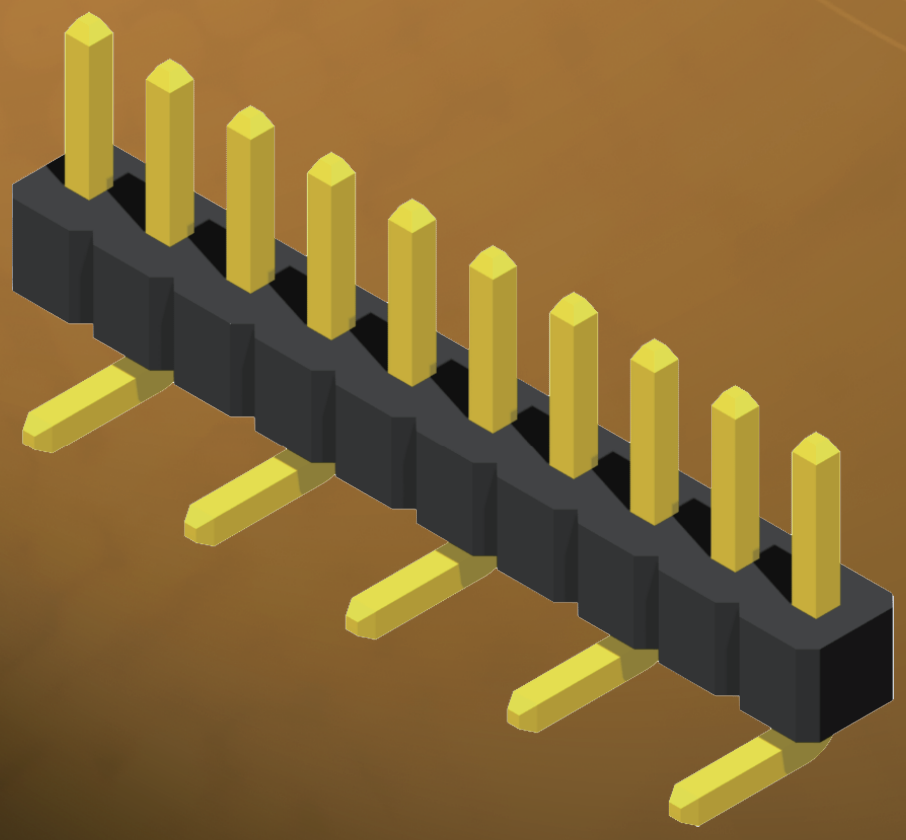
Header & Socket Connectors

2-5~2-11 • PCB Conn. 1.0mm

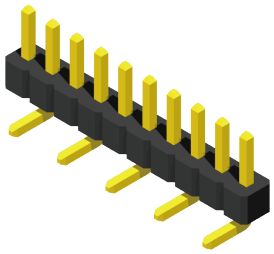


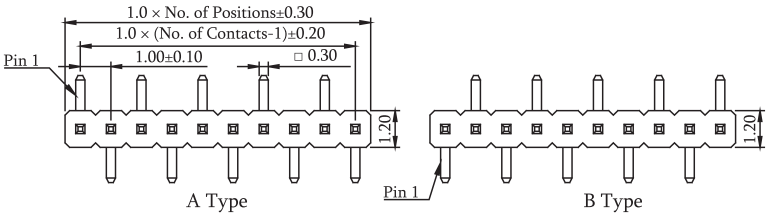
AMTEK Technology Co., Ltd

Pin Header 1.0mm 1 Row H=1.0mm SMT / Stack SMT Type

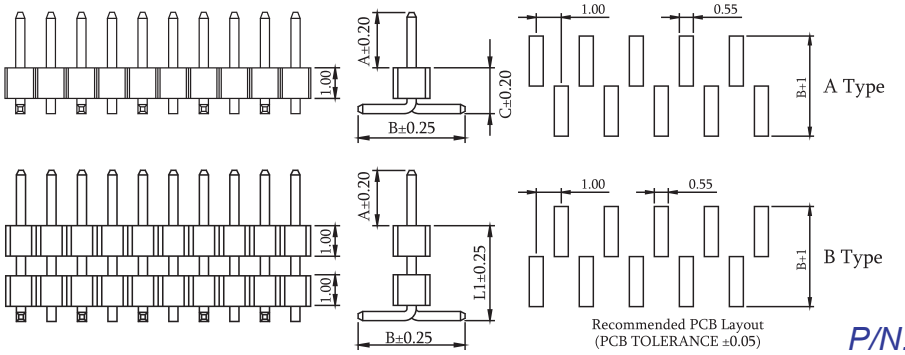
Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

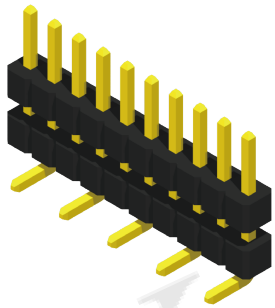
Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0, Black
Terminal: Copper Alloy
Standard Plating: Gold Flash





P/N.:5PH5MSX10-1XXU



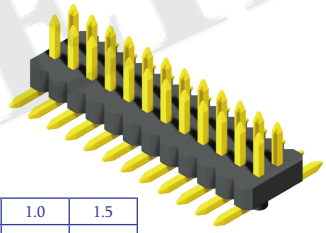


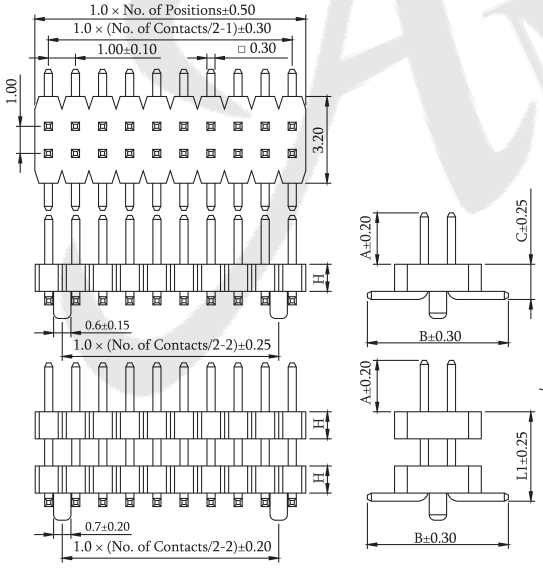
P/N.:5PH5DMX10-1XXU

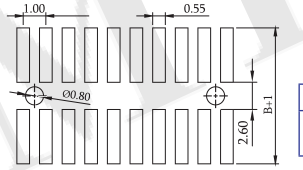
Pin Header 1.0mm 2 Row H=1.0/1.5mm SMT / Stack SMT Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -40°C to +105°C

Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0, Black
Terminal: Copper Alloy
Standard Plating: Gold Flash



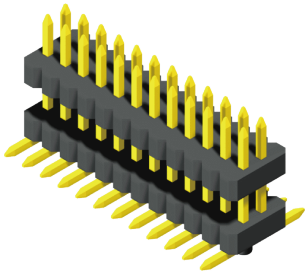


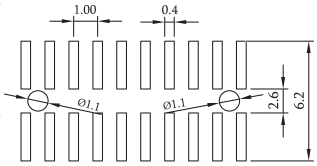


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

H	1.0	1.5
Plastic Height	1.0mm	1.5mm

P/N.:5PH5MSX10/15-2XXU





Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5PH5DMX10/15-2XXU

ORDER INFORMATION

5	P	H	5	X	X	X	X	X	-	X	X	X	X	X	X	X	X	U	-	A/L1/B / A/B/C

- X (1): MS:Single Plastic SMT; DM:Stack Plastic SMT
- X (2): Plastic Height — 10:H=1.0mm; 15:H=1.5mm
- X (3): 1:Single Row; 2:Dual Row
- X (4): No. of Contacts Per Row (02~40)
- X (5): N:W/O Peg; P:With Peg For Dual Row only
- X (6): G0:Gold Flash; GA:Au 5u"; GB:Au 10u"; GC:Au 20u"; GD:Au 30u"; T0:Tin Plated
- X (7): S0:Selective Au; SA:Selective Au 5u"; SB:Selective Au 10u"; SC:Selective Au 20u"; SD:Selective Au 30u"; TE:Tin 200u"
- X (8): N:Non Type; A:A Type; B:B Type
- X (9): T:Tube W/O Cap; C:Tube With Cap; H:T/R W/O Cap; R:T/R With Cap; X:Box; B:Bag
- U: U:RoHS + Hi-Temp
- A/L1/B / A/B/C: EX.:028046018; A:2.80(028); B/L1:4.60(046); C:1.80(018); A/B/C For 5PH5MSB/AXX-1/2; A/L1/B For 5PH5DMAXX-1/2

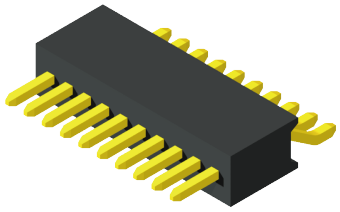
◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

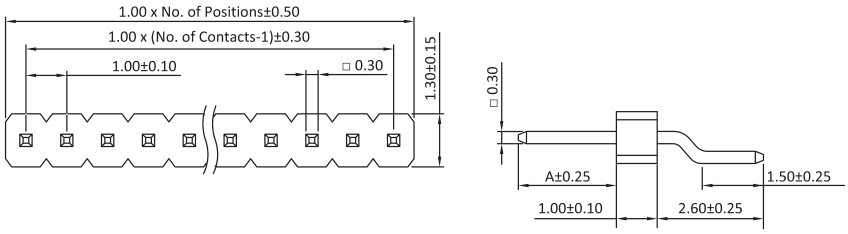
Old P/N:PH5M10-1/2
PH5DM10/15-1/2

Pin Header 1.0mm 1 Row H=1.0mm SMT R/A Type

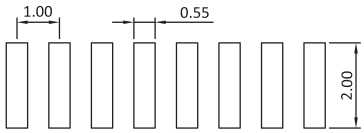
Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash





P/N.:5PH5MRX10-1XXU

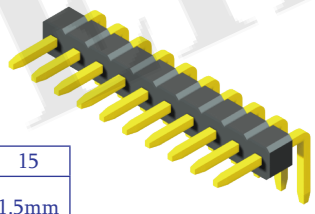


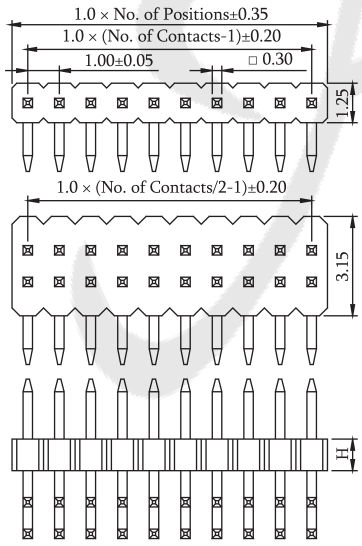
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

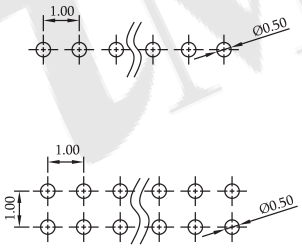
Pin Header 1.0mm 1 & 2 Row H=1.0/1.5mm Right Angle Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

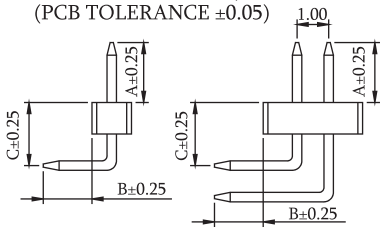
Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash





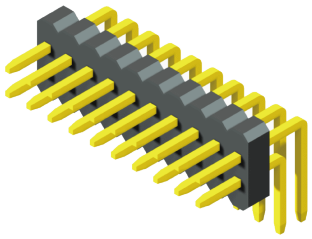


Recommended PCB Layout
(PCB TOLERANCE ±0.05)



H	10	15
Plastic Height	1.0mm	1.5mm

P/N.:5PH5RDX10/15-1XXU



P/N.:5PH5RDX10/15-2XXU

ORDER INFORMATION

5	P	H	5	X	X	X	X	X	-	X	X	X	X	X	N	N	X	U	-	A
																				A/B/C

- MR:R/A SMT; RD:R/A DIP
- Plastic Height: 10:H=1.0mm; 15:H=1.5mm
- 1:Single Row; 2:Dual Row
- No. of Contacts: H:1.0mm Per Row (02~50); H:1.5mm Per Row (02~40)
- N:W/O Peg
- T:Tube W/O Cap; C:Tube With Cap For 5PH5MR; X:Box For 5PH5RD
- U:RoHS + Hi-Temp
- EX.:019020020; A:1.90(019); B:2.00(020); C:2.00(020)

G0:Gold Flash	S0:Selective Au
GA:Au 5u"	SA:Selective Au 5u"
GB:Au 10u"	SB:Selective Au 10u"
GC:Au 20u"	SC:Selective Au 20u"
GD:Au 30u"	SD:Selective Au 30u"
T0:Tin Plated	TE:Tin 200u"

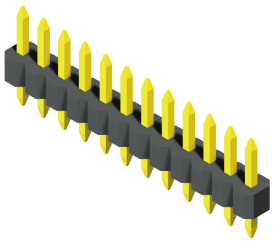
◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

Old P/N:PH5MR10-1
PH5R10/15-1/2

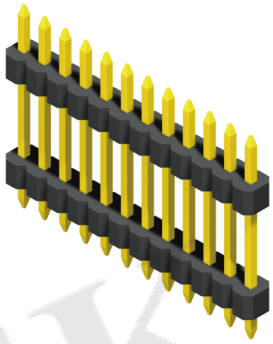
Pin Header 1.0mm 1 Row H=1.0mm Straight / Stack Straight Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

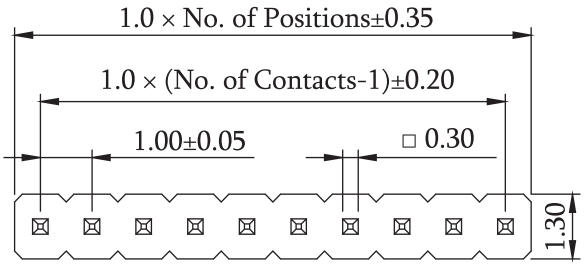
Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash

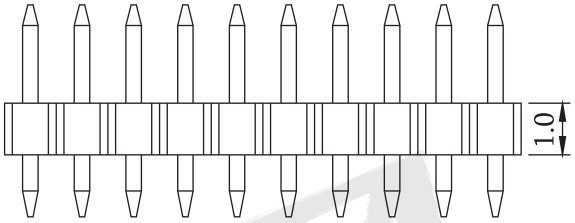


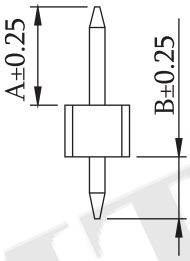
P/N.:5PH5SDX10-1XXU

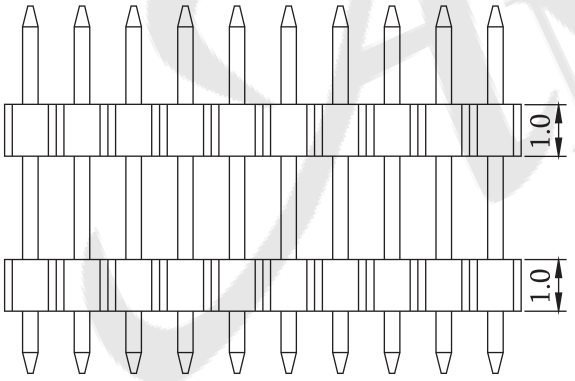


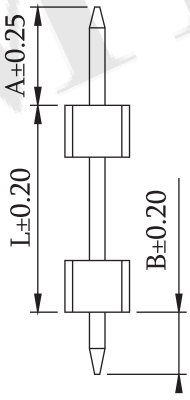
P/N.:5PH5DDX10-1XXU

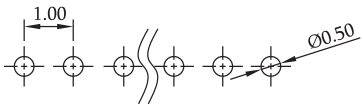












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

ORDER INFORMATION

5	P	H	X	X	X	X	X	X	-	1	1	0	X	X	N	N	X	U	-	A/B
			SD:Single Plastic DIP DD:Dual Plastic DIP				Plastic Height 10:H=1.0mm			1:Single Row	No. of Contacts Per Row (02~50)				N:W/O Peg		X:Box	U:RoHS + Hi-Temp		EX.:060033000 A:6.00(060) B:3.30(033)
																				A:6.00(060) B:5.00(050) L1:3.30(033)

G0:Gold Flash	S0:Selective Au
GA:Au 5u"	SA:Selective Au 5u"
GB:Au 10u"	SB:Selective Au 10u"
GC:Au 20u"	SC:Selective Au 20u"
GD:Au 30u"	SD:Selective Au 30u"
T0:Tin Plated	TE:Tin 200u"

◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

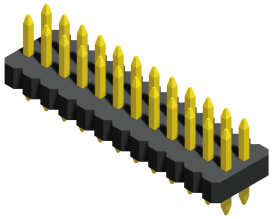
Old P/N:PH5S/D10/15-1

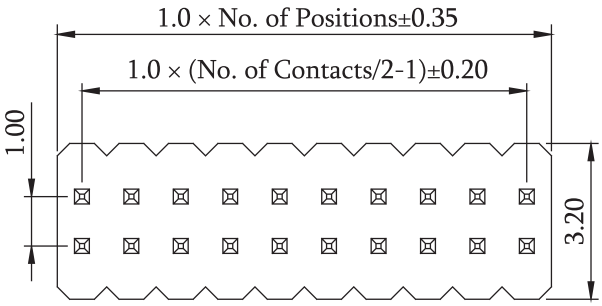
RoHS

Pin Header 1.0mm 2 Row H=1.0/1.5mm Straight / Stack Straight Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

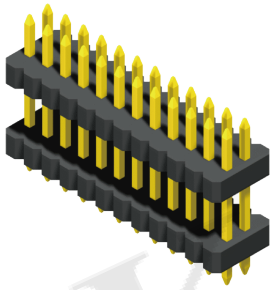
Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash

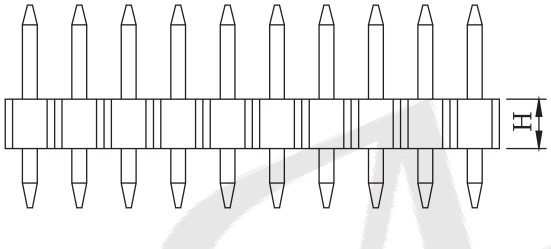




P/N.:5PH5SDX10/15-2XXU

H	10	15
Plastic Height	1.0mm	1.5mm





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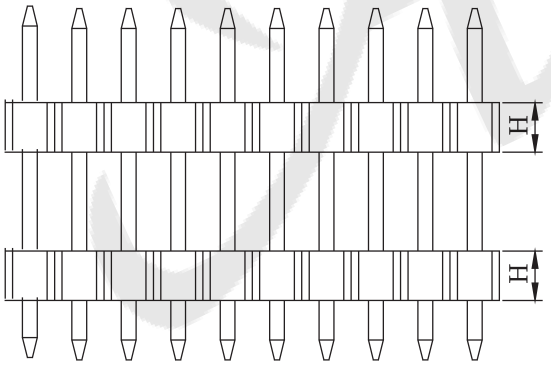
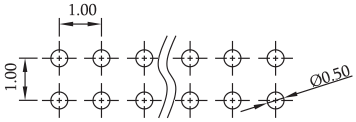




Recommended PCB Layout
(PCB TOLERANCE ±0.05)

ORDER INFORMATION

5	P	H	X	X	X	X	X	X	-	2	X	X	X	X	N	N	X	U	-	A/B
			SD:Single Plastic DIP DD:Dual Plastic DIP				Plastic Height 10:H=1.0mm 15:H=1.5mm			2:Dual Row	No. of Contacts H:1.0mm Per Row (02~50) H:1.5mm Per Row (02~40)		G0:Gold Flash GA:Au 5u" GB:Au 10u" GC:Au 20u" GD:Au 30u" T0:Tin Plated	S0:Selective Au SA:Selective Au 5u" SB:Selective Au 10u" SC:Selective Au 20u" SD:Selective Au 30u" TE:Tin 200u"	N:W/O Peg		X:Box		U:RoHS + Hi-Temp		A/L1/B EX.:060033000 A:6.00(060) B:3.30(033) A:6.00(060) B:5.00(050) L1:3.30(033)

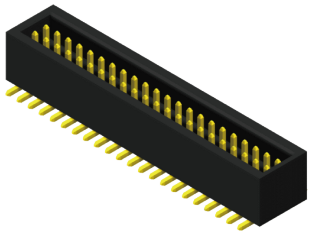
©:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

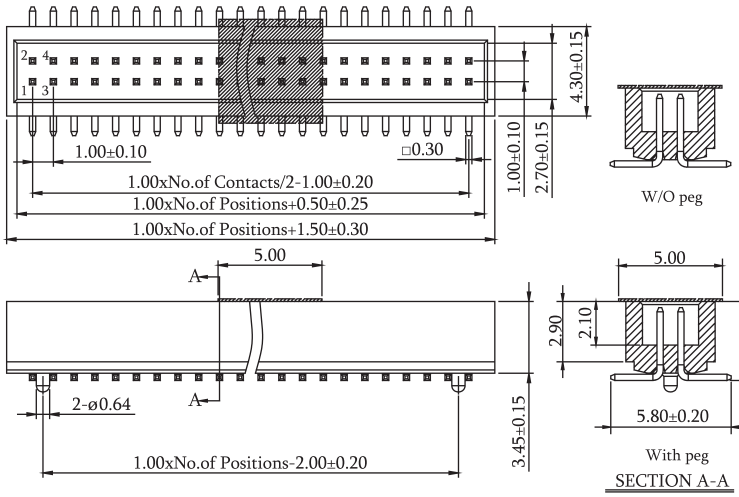
Old P/N:PH5S/D10/15-2

Box Header 1.0mm H=3.45mm SMT Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash



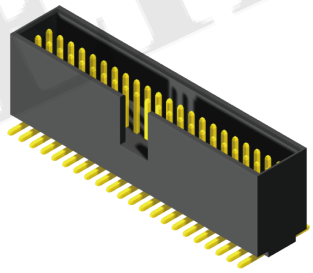


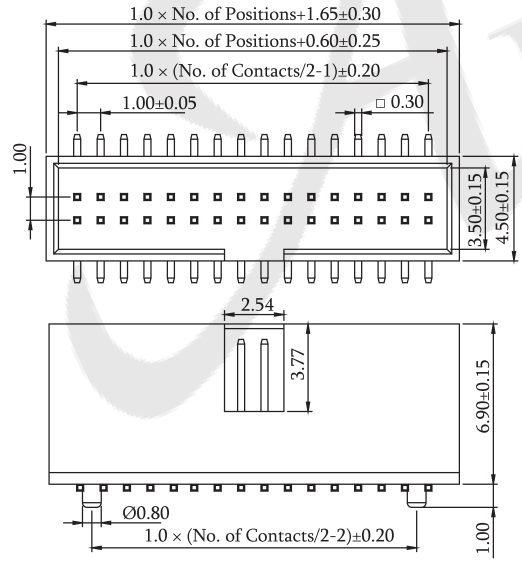
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Box Header 1.0mm H=6.9mm SMT Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash





Recommended PCB Layout
(PCB TOLERANCE ±0.05)

ORDER INFORMATION

5	B	H	5	M	S	X		X	X	-		X	X		X	X		X		X		U
				MS:SMT Straight				Plastic Height 34:H=3.45mm 69:H=6.9mm				No. of Contacts (20~120)			5:W/O Peg;W/O Ejector 6:With Peg;W/O Ejector			T:Tube W/O Cap C:Tube With Cap H:T/R W/O Cap R:T/R With Cap			U:RoHS + Hi-Temp	

G0:Gold Flash	S0:Selective Au
GA:Au 5u"	SA:Selective Au 5u"
GB:Au 10u"	SB:Selective Au 10u"
GC:Au 20u"	SC:Selective Au 20u"
GD:Au 30u"	SD:Selective Au 30u"
T0:Tin Plated	TE:Tin 200u"

◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

Old P/N:BH5M34
BH5M69

RoHS

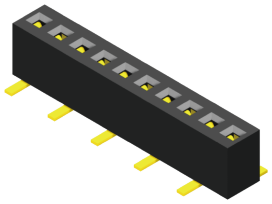
Female Header 1.0mm 1 Row H=2.1mm SMT Type

Specifications

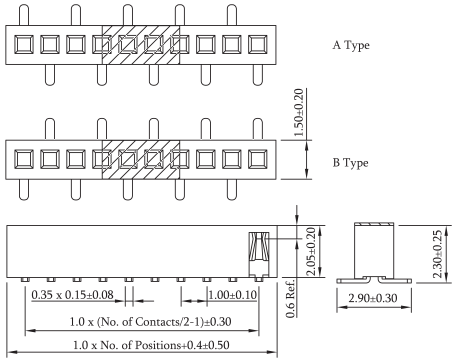
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

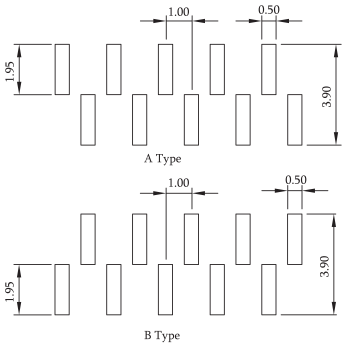
Material

Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash



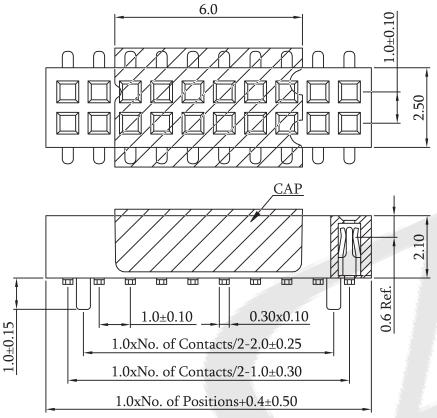
P/N.:5PS5MSF21-1XXU

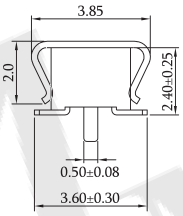


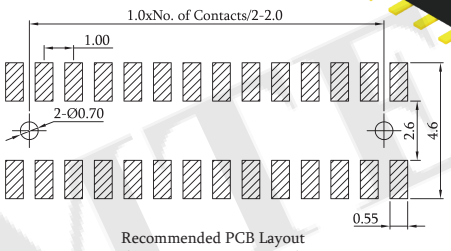


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

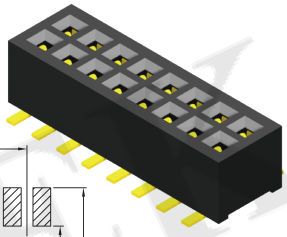
Female Header 1.0mm 2 Row H=2.0mm SMT Type





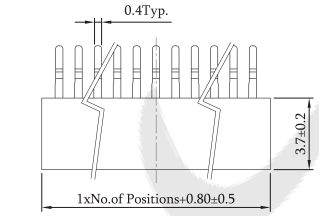


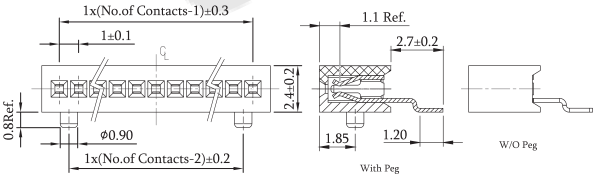
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

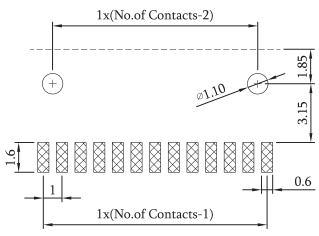


P/N.:5PS5MSA21-2XXU

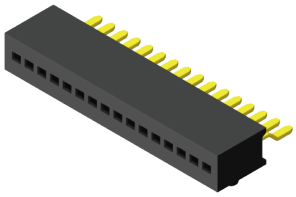
Female Header 1.0mm 1 Row H=3.7mm SMT R/A Type







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



P/N.:5PS5MRA37-1XXU

ORDER INFORMATION

5	P	S	5	X	X	X	X	X	-	X	X	X	X	X	N	X	X	X	X	U

- 5PS5XXX: MS:SMT Straight / MR:R/A SMT
- XX: Plastic Height — 21:H=2.1mm; 21:H=2.0mm Only For 5PS5MSX21-2; 37:H=3.7mm Only For 5PS5MRX37-1
- X: 1:Single Row / 2:Dual Row
- XX: No. of Contacts Per Row (02~50),For MS Per Row (02~40),For MR
- XX: G0:Gold Flash; GA:Au 5u"; GB:Au 10u"; GC:Au 20u"; GD:Au 30u"; T0:Tin Plated / S0:Selective Au; SA:Selective Au 5u"; SB:Selective Au 10u"; SC:Selective Au 20u"; SD:Selective Au 30u"; TE:Tin 200u"
- N: N:W/O Bump
- X: N:W/O Peg / P:With Peg
- X: A:A Type; B:B Type For 5PS5MSX21-1 Only; N:Non Type
- X: T:Tube W/O Cap; C:Tube With Cap; H:T/R W/O Cap; R:T/R With Cap; M:T/R With Mylar; X:Box; B:Bag
- U: U:RoHS + Hi-Temp

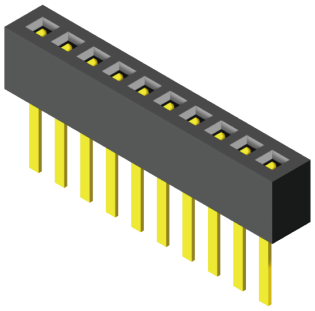
◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

Old P/N:PS5M21-1/2
PS5MR37-1

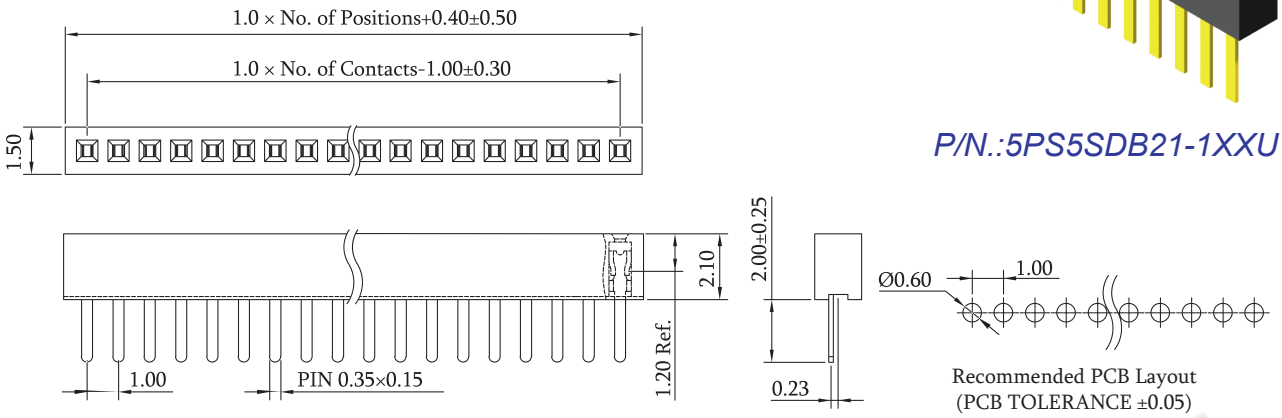
Female Header 1.0mm 1 Row H=2.1mm Straight Type

Specifications
Current Rating: 0.75 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute

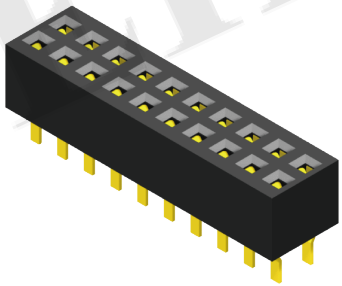
Material
Insulator: Hi-Temp.Thermoplastic, UL 94V-0
Terminal: Copper Alloy
Standard Plating: Gold Flash



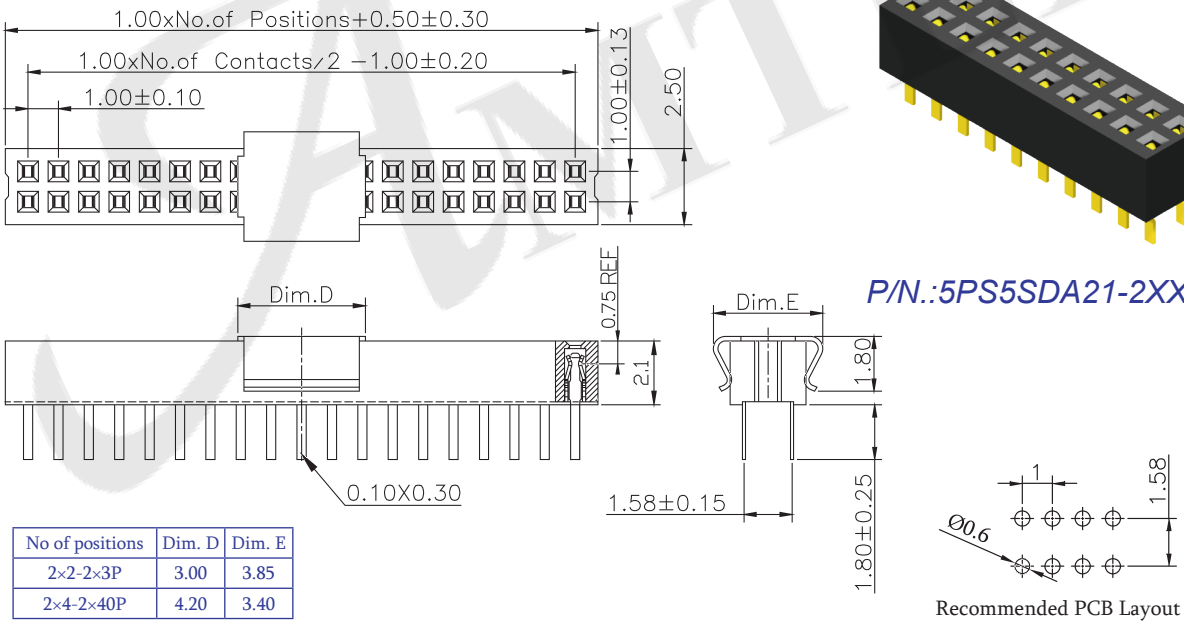
P/N.:5PS5SDB21-1XXU



Female Header 1.0mm 2 Row H=2.05mm Straight Type



P/N.:5PS5SDA21-2XXU



No of positions	Dim. D	Dim. E
2×2-2×3P	3.00	3.85
2×4-2×40P	4.20	3.40

ORDER INFORMATION

5	P	S	5	S	D	X	2	1	-	X	X	X	X	X	N	N	N	X	U

- SD:Straight DIP
- Plastic Height 21:H=2.1mm
- 1:Single Row, 2:Dual Row
- No. of Contacts Per Row (02~40)
- G0:Gold Flash, GA:Au 5u", GB:Au 10u", GC:Au 20u", GD:Au 30u", T0:Tin Plated
- S0:Selective Au, SA:Selective Au 5u", SB:Selective Au 10u", SC:Selective Au 20u", SD:Selective Au 30u", TE:Tin 200u"
- N:W/O Bump
- N:W/O Peg
- N:Non Type
- T:Tube W/O Cap, C:Tube With Cap, H:T/R W/O Cap, R:T/R With Cap, X:Box
- U:RoHS + Hi-Temp

◎:Standard Recommended
Tube package is not available for under 1*5 & 2*5 pin counts
The option in the catalog for reference only, please contact with Amtek for more details.

Old P/N:PS5S21-1/2