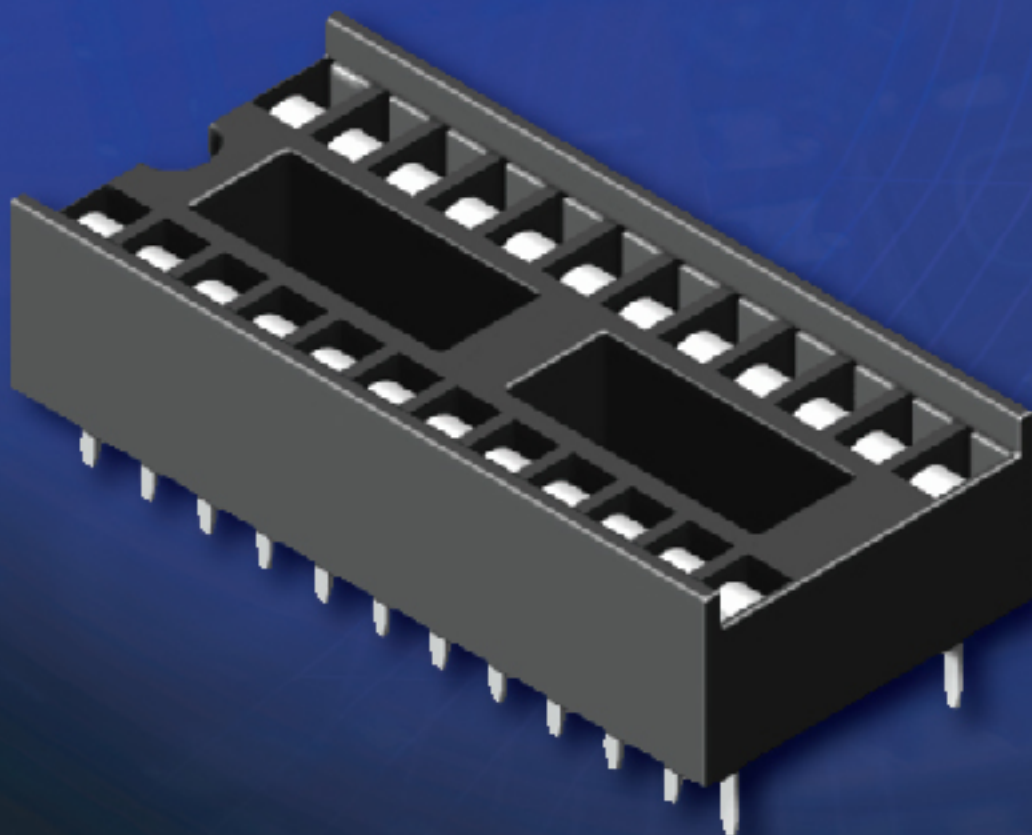


IC Carrier Connectors

7-1~7-2 • Cardedge Conn.

7-2~7-7 • PCI & Mini PCI

7-8~7-11 • DDR 4



AMTEK Technology Co., Ltd

Cardedge 2.54mm Vertical Type

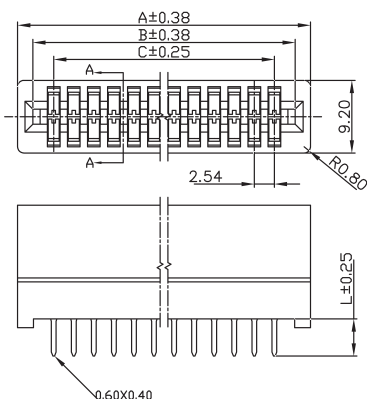
Specifications

Current Rating: 3 AMP
Insulation Resistance: 5000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 800V AC for one minute
Operation Temperature: -55°C to +105°C

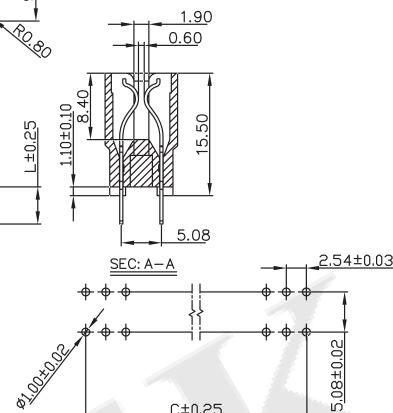
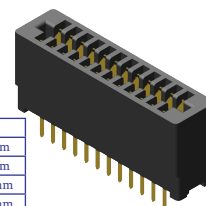
Material

Insulator: Nylon 6T or PBT, UL 94V-0
Contact Pin: Phosphor Bronze

No. of Contacts	Dimensions			No. of Contacts	Dimensions		
	A	B	C		A	B	C
2/4	11.68	7.82	2.54	19/38	54.86	51.00	45.72
3/6	14.22	10.36	5.08	20/40	57.40	53.54	48.26
4/8	16.76	12.90	7.62	22/44	62.48	58.62	53.34
5/10	19.30	15.44	10.16	24/48	67.56	63.70	58.42
6/12	21.84	17.98	12.70	25/50	70.10	66.24	60.96
7/14	24.38	20.52	15.24	30/60	82.80	78.94	73.66
8/16	26.92	23.06	17.78	31/62	85.34	81.48	76.20
9/18	29.46	25.60	20.32	32/64	87.88	84.02	78.74
10/20	32.00	28.14	22.86	35/70	95.50	91.64	86.36
11/22	34.54	30.68	25.40	36/72	98.04	94.18	88.90
12/24	37.08	33.22	27.94	40/80	108.20	104.34	99.06
13/26	39.62	35.76	30.48	43/86	115.82	111.96	106.68
14/28	42.16	38.30	33.02	49/98	138.68	134.82	129.54
15/30	44.70	40.84	35.56	50/100 (A1)	133.60	129.74	124.46
16/32	47.24	43.38	38.10	54/108 (A3)	143.76	139.90	134.62
17/34	49.78	45.92	40.64	60/120 (A2)	159.00	155.14	149.86
18/36	52.32	48.46	43.18				



Tail Length	L
A	4.70mm
B	6.10mm
C	14.10mm
D	21.80mm



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5ECN1S0BN-XXXXXXX-B1

Cardedge 2.54mm R/A Type

Specifications

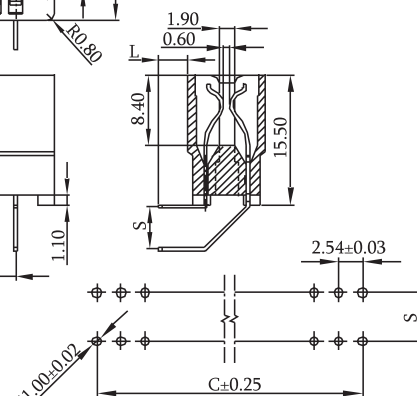
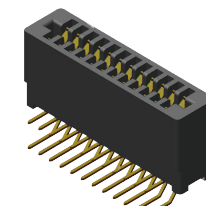
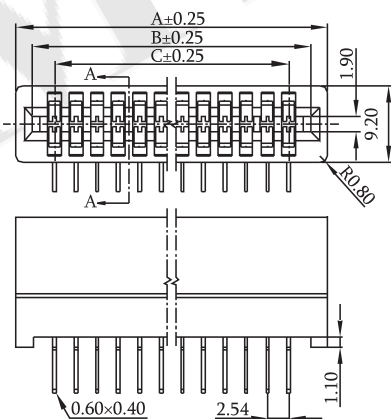
Current Rating: 3 AMP
Insulation Resistance: 5000MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 800V AC for one minute
Operation Temperature: -55°C to +105°C

Material

Insulator: PBT, UL 94V-0
Contact Pin: Phosphor Bronze

Tail Length	L	Row To Row	S
A	2.54mm	A	3.50mm
B	3.00mm	B	6.00mm
D	3.81mm	C	10.80mm
E	5.08mm		

No. of Contacts	Dimensions			No. of Contacts	Dimensions		
	A	B	C		A	B	C
2/4	11.68	7.82	2.54	18/36	52.32	48.46	43.18
3/6	14.22	10.36	5.08	19/38	54.86	51.00	45.72
4/8	16.76	12.90	7.62	20/40	57.40	53.54	48.26
5/10	19.30	15.44	10.16	22/44	62.48	58.62	53.34
6/12	21.84	17.98	12.70	24/48	67.56	63.70	58.42
7/14	24.38	20.52	15.24	25/50	70.10	66.24	60.96
8/16	26.92	23.06	17.78	30/60	82.80	78.94	73.66
9/18	29.46	25.60	20.32	31/62	85.34	81.48	76.20
10/20	32.00	28.14	22.86	32/64	87.88	84.02	78.74
11/22	34.54	30.68	25.40	35/70	95.50	91.64	86.36
12/24	37.08	33.22	27.94	36/72	98.04	94.18	88.90
13/26	39.62	35.76	30.48	40/80	108.20	104.34	99.06
14/28	42.16	38.30	33.02	43/86	115.82	111.96	106.68
15/30	44.70	40.84	35.56	49/98	138.68	134.82	129.54
16/32	47.24	43.38	38.10	50/100	133.60	129.74	124.46
17/34	49.78	45.92	40.64	54/108	143.76	139.90	134.62



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5ECN1R0BX-XXS0XXL-B1

ORDER INFORMATION

5	E	C	N	1	X	X	B	X	-	X	X	X	X	X	X	-	B	1
				1:Pitch 2.54			B:B Type			No. of Contacts			S0:Selective Au			Tail Lenght		
				S:Vertical			For R/A			A1:100 A2:120 A3:108			SA:Selective Au 5u"			Vertical		
				R:R/A			Row To Row			See Table			SB:Selective Au 10u"			R/A		
				0:W/O Peg, W/O Ear			A:2.54						SF:Selective Au 15u"			A:4.7		
				1:With Peg, W/O Ear			B:3.00						SD:Selective Au 30u"			B:6.1		
							D:3.81						T0:Tin Plated			C:14.1		
							E:5.08									D:21.8		
																X:Box		
																A:Tray		
																L: RoHS + PBT		
																U: RoHS + Nylon 6T		

Old P/N: 5C1G XX

◎: Standard Recommended

Old P/N: EC1S-XX-L
EC1R-XX-L

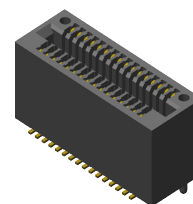
Cardedge 1.0mm SMT Type

Specifications

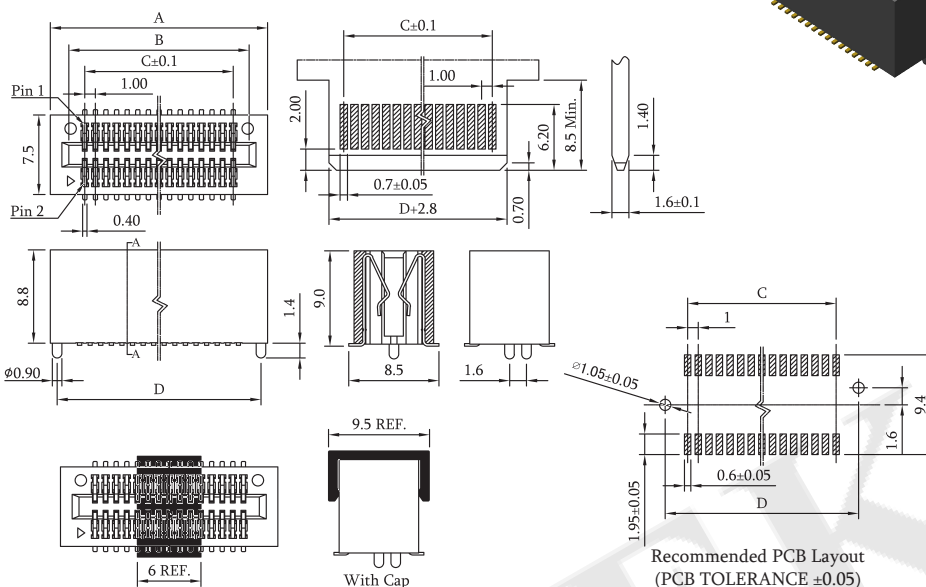
Current Rating: 1.1 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +105°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0, Black
Contact Pin: Copper Alloy



No. of Contacts	Dimensions			
	A	B	C	D
10	9.5	7.00	4.00	8.24
16	12.5	10.00	7.00	11.24
20	14.5	12.00	9.00	13.24
32	20.5	18.00	15.00	19.24
40	24.5	22.00	19.00	23.24
60	34.5	32.00	29.00	33.24
72	40.5	38.00	35.00	39.24
80	44.5	42.00	39.00	43.24
120	64.5	62.00	59.00	63.24
160	84.5	82.00	79.00	83.24



P/N.:5ECN5M1CN-XXXXNXU-B1

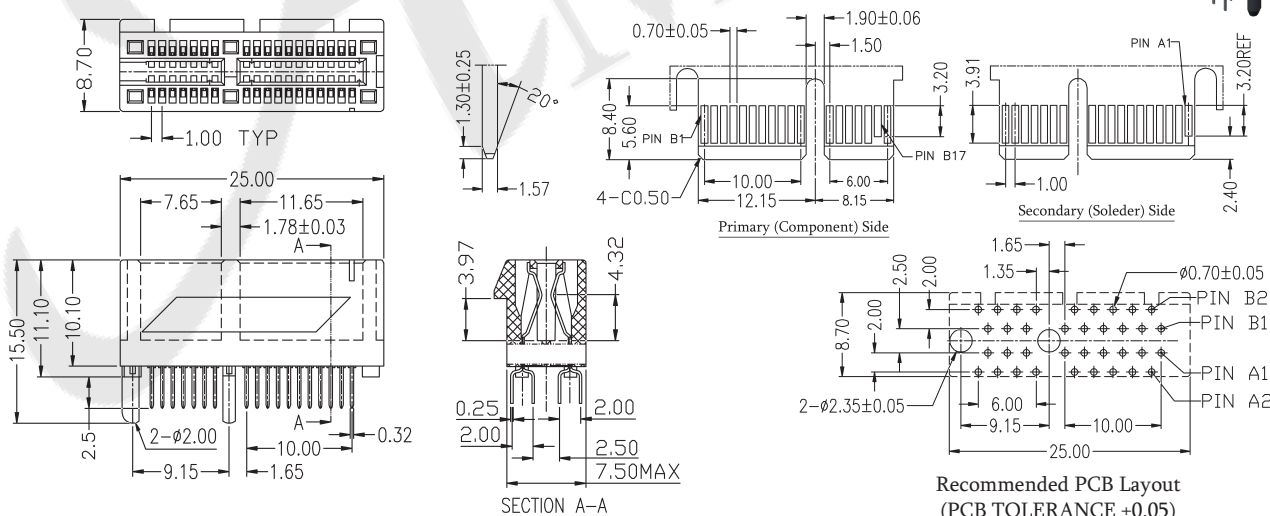
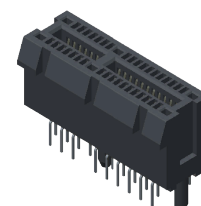
PCI 1.0mm Vertical Type

Specifications

Current Rating: 1.1 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +105°C

Material

Insulator: Nylon 46, UL 94V-0, Black
Contact Pin: Brass



P/N.:5PCS5S1NB-36S0IXU-J1

ORDER INFORMATION

5	E	C	X	5	X	1	X	X	-	X	X	X	X	X	U	-	B	1
N:Card Edge no kink S:PCI Express				5:Pitch 1.0	S:Vertical M:SMT	1:With Peg, W/O Ear	C:C Type N:N Type	For SMT N:Non Type For PCI Express Plastic Height B: 11.0mm		No. of Contacts A1:100 A7:160 See Table		S0:Selective Au SG:Selective Au 15u" TM:Matte Tin		Tail Length For Vertical I:2.5mm For SMT N:Non Type	H:T/R W/O Cap M:T/R With Mylar R:T/R With Cap X:Box			

©:Standard Recommended

Old P/N:EC5M-XX-U

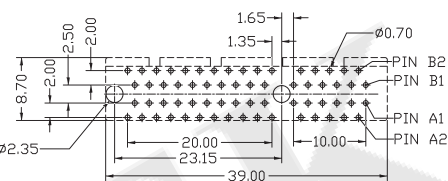
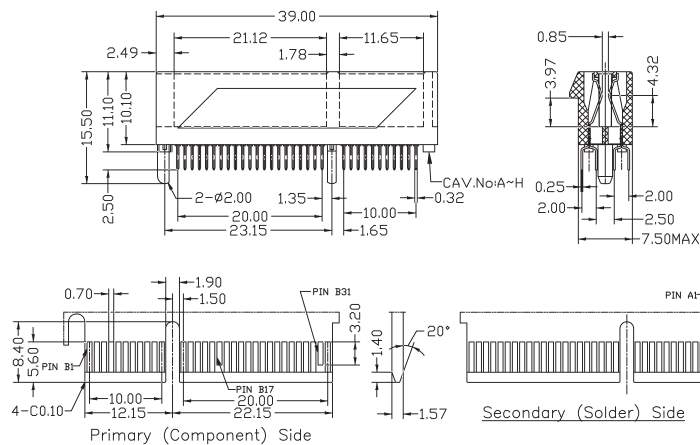
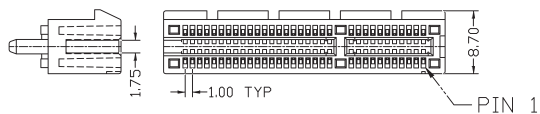
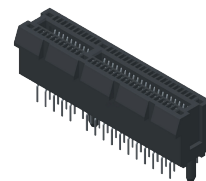
PCI 1.0mm Vertical Type

Specifications

Current Rating: 1.1 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +105°C

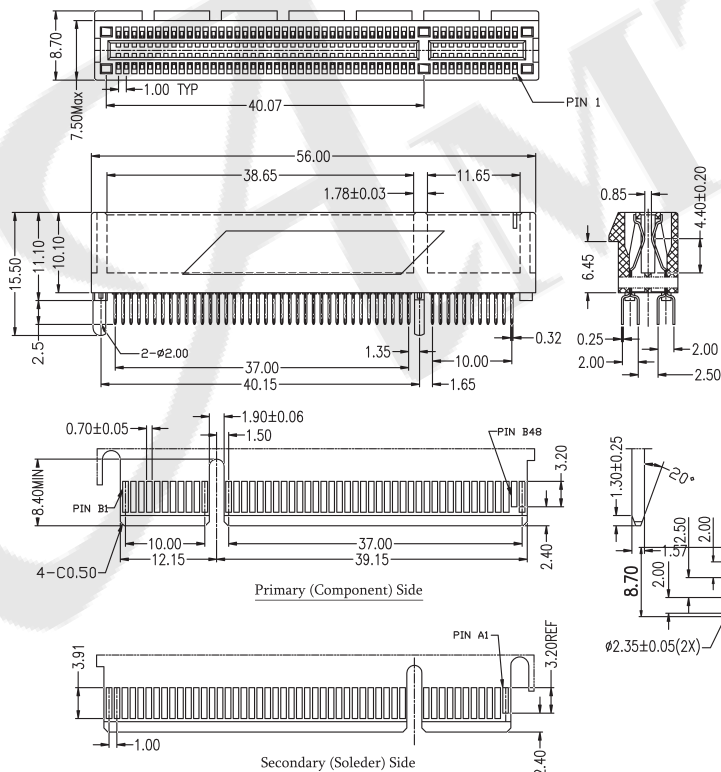
Material

Insulator: Nylon 46, UL 94V-0, Black
Contact Pin: Brass



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.: 5PCS5S1NB-64S0IXU-J1



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.: 5PCS5S1NB-98S0IXU-J1

ORDER INFORMATION

5	P	C	S	5	S	1	N	B	-	X	X	S	0	I	X	U	-	J	1
5:Pitch 1.0					S:Vertical	1:With Peg, W/O Ear			B: Plastic Height B: 11.0mm	No. of Contacts		S0:Selective Au		I:2.5mm	X:Box	U: RoHS + Nylon 46			

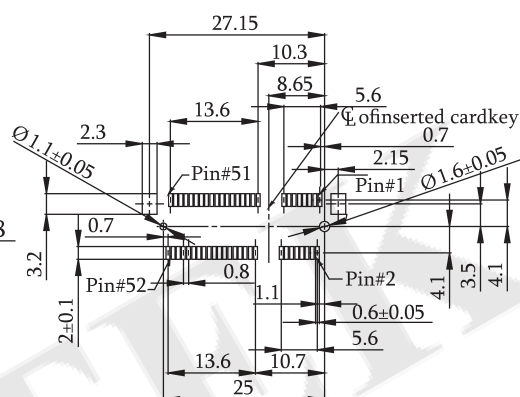
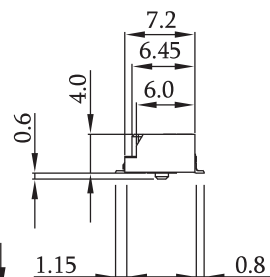
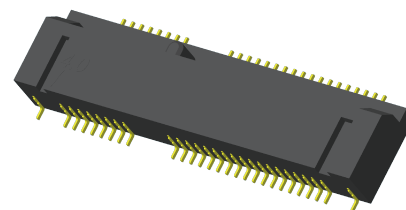
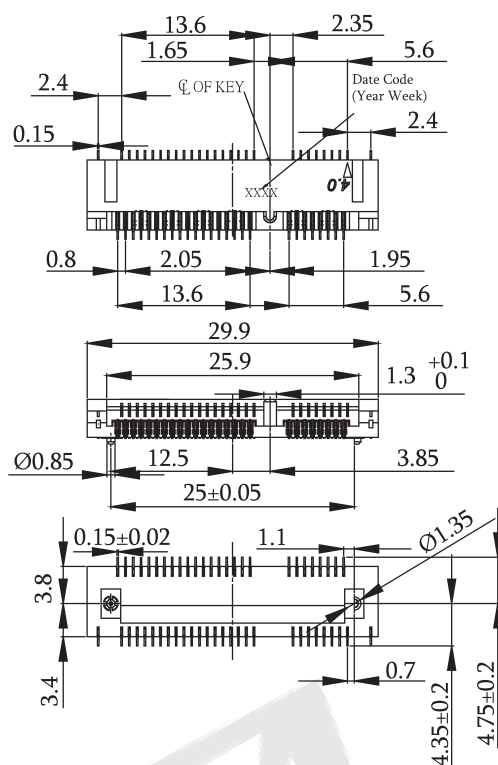
●: Standard Recommended

Mini PCI Express 52P H=4.0

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

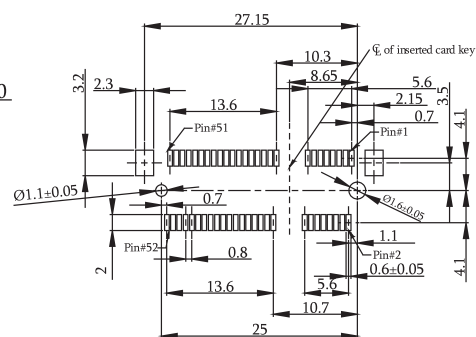
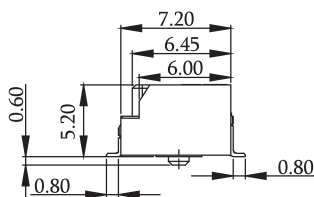
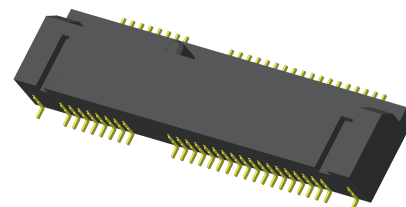
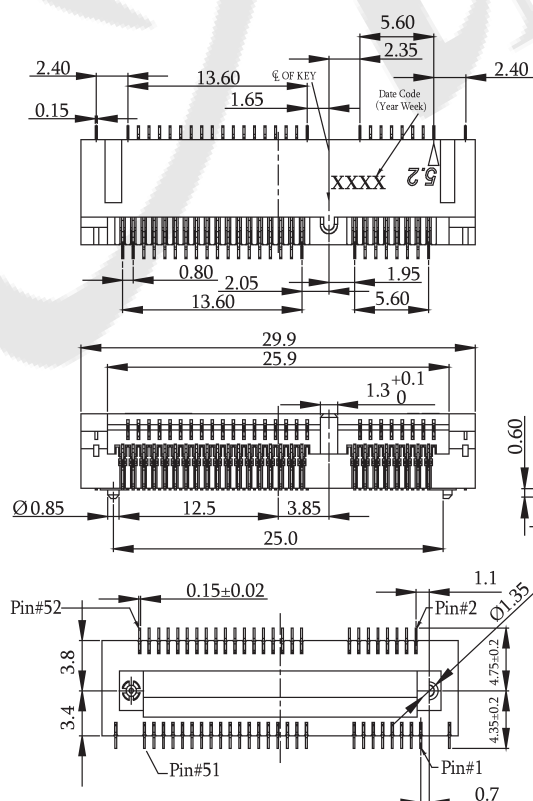
P/N.:5PCM6MSN4-52G0NHU-F1

Mini PCI Express 52P H=5.2

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

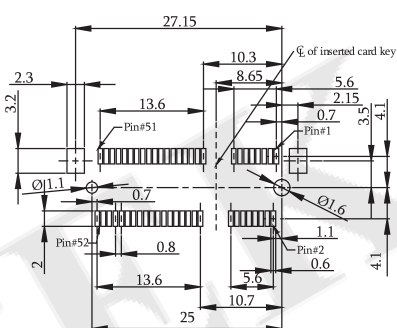
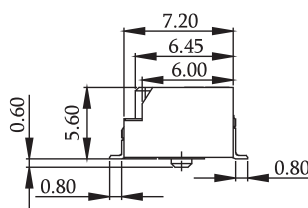
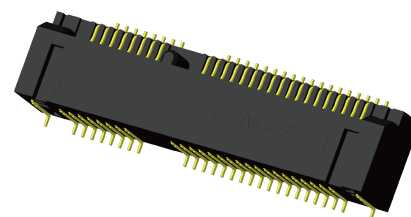
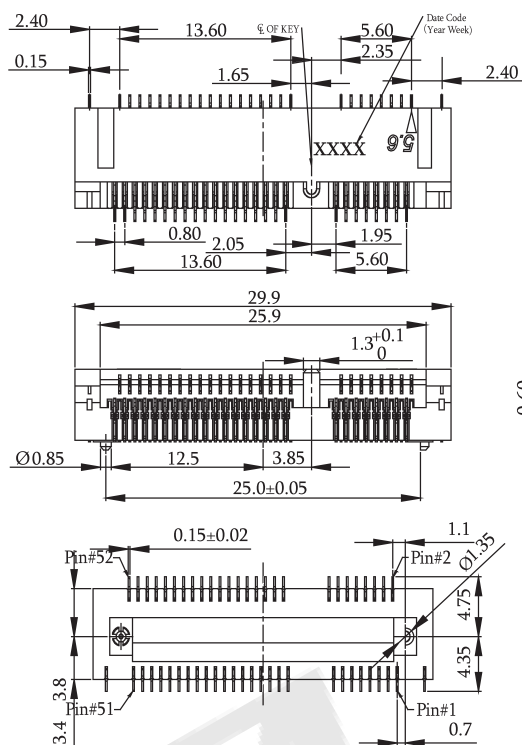
P/N.:5PCM6MSN5-52G0NHU-F1

Mini PCI Express 52P H=5.6

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

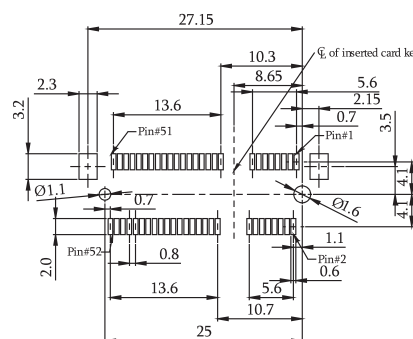
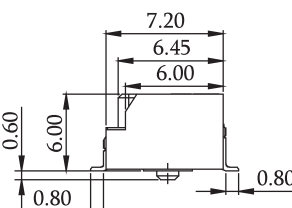
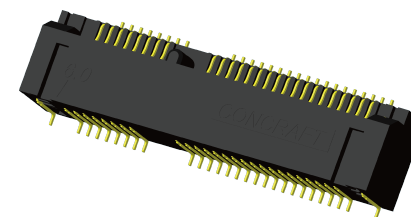
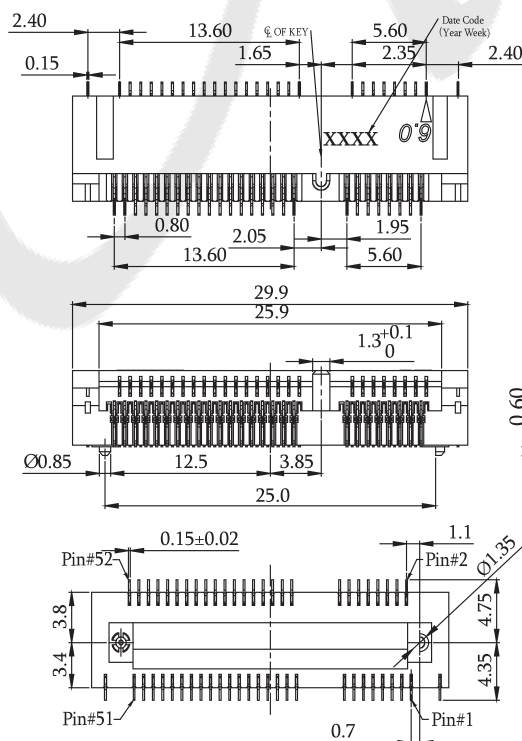
P/N.:5PCM6MSN6-52G0NHU-F1

Mini PCI Express 52P H=6.0

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

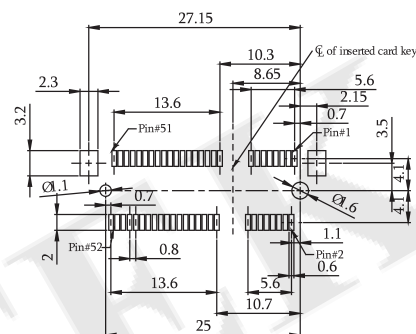
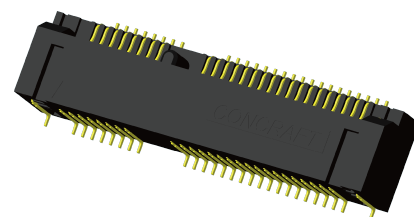
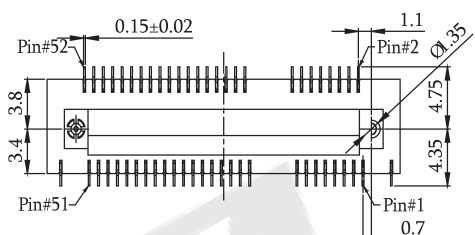
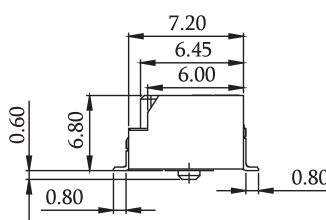
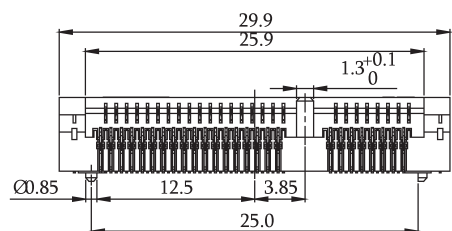
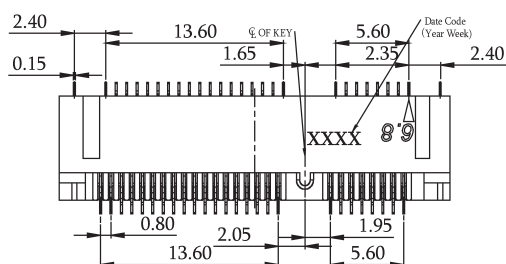
P/N.:5PCM6MSND-52G0NHU-F1

Mini PCI Express 52P H=6.8

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

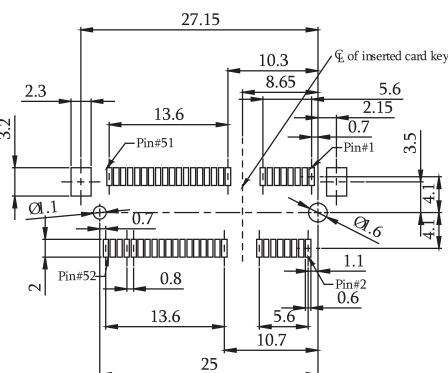
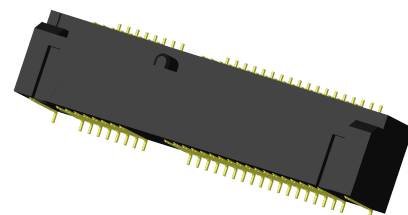
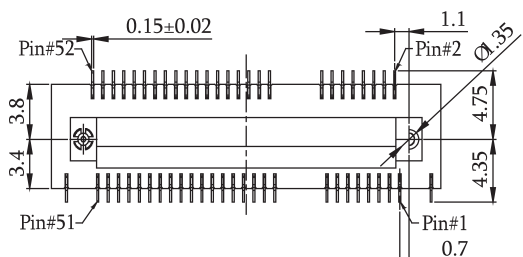
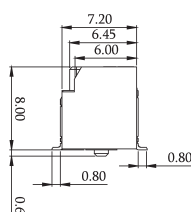
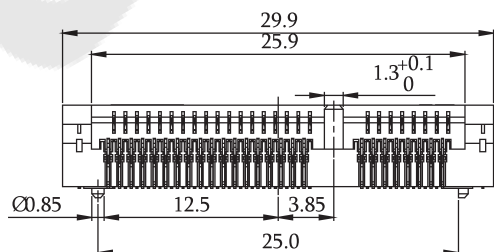
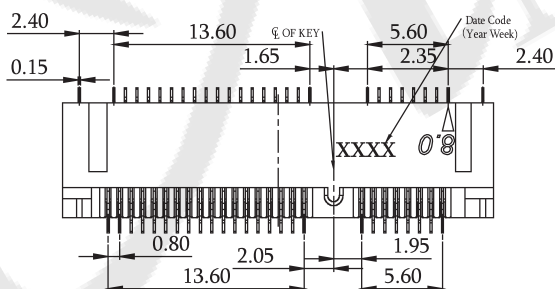
P/N.:5PCM6MSNK-52G0NHU-F1

Mini PCI Express 52P H=8.0

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5PCM6MSN8-52G0NHU-F1

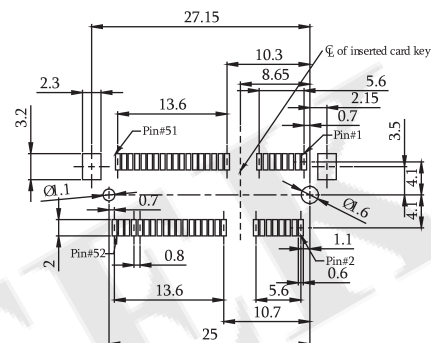
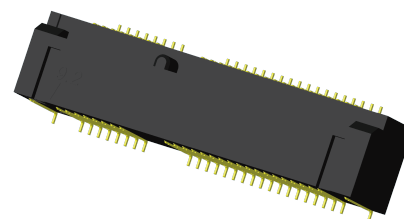
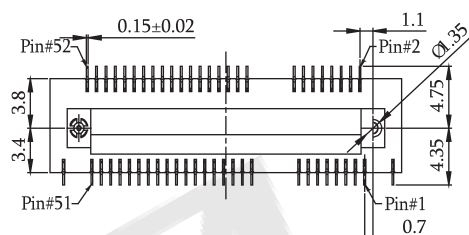
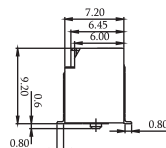
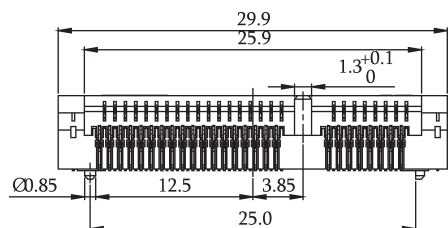
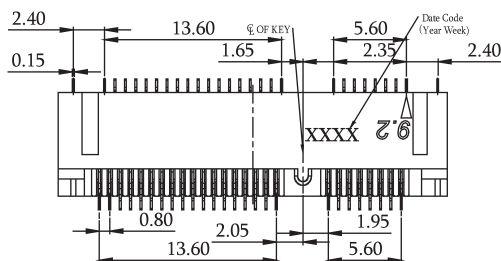


Mini PCI Express 52P H=9.2

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

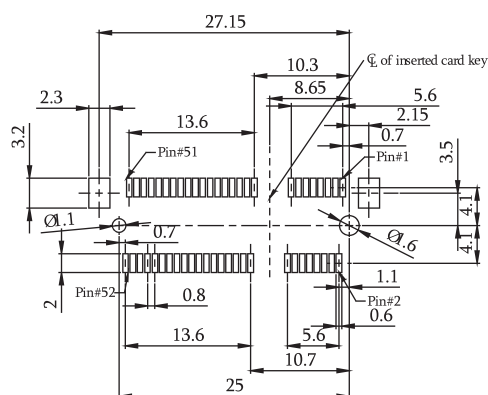
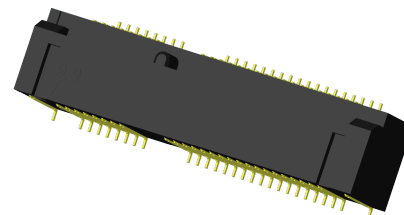
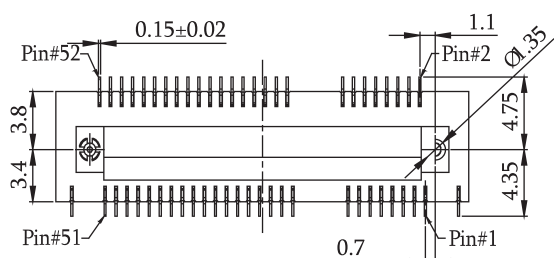
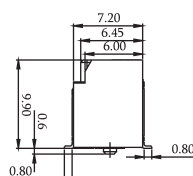
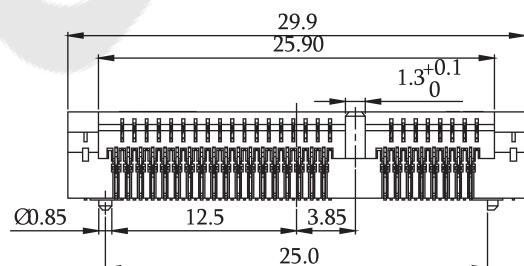
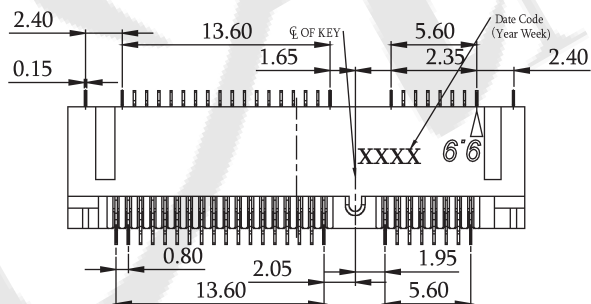
P/N.:5PCM6MSN9-52G0NHU-F1

Mini PCI Express 52P H=9.9

Material

Insulator: LCP, UL 94V-0, Black

Terminal: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5PCM6MSNM-52G0NHU-F1

Mini PCI Express Conn.

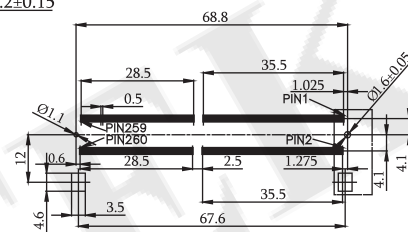
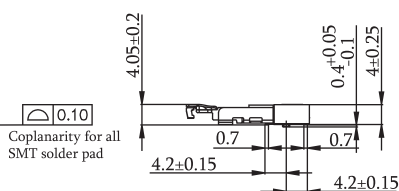
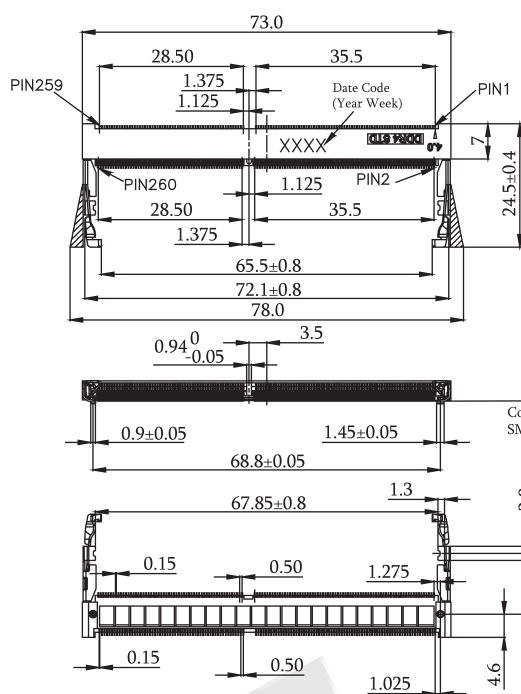
ROHS

DDR 4 Dimm 260P Standard Type H=4.0

Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

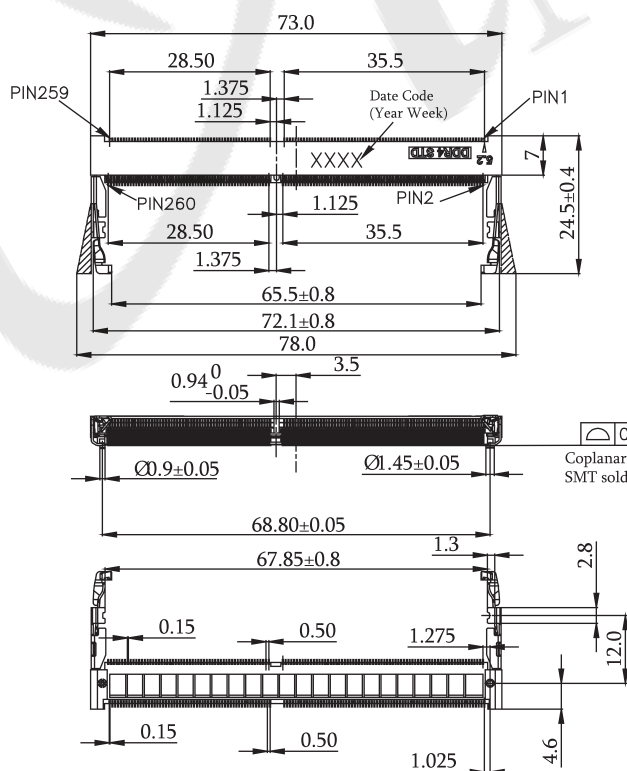
P/N.:5SD45HS34-A3G0BHU-A1

DDR 4 Dimm 260P Standard Type H=5.2

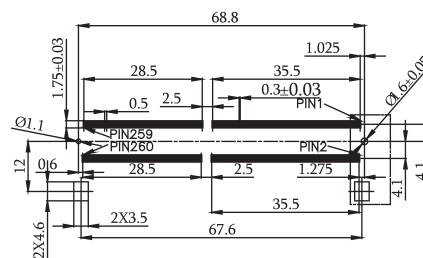
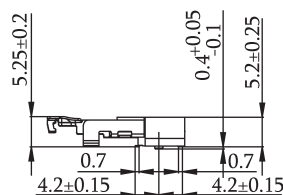
Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



Coplanarity for all
SMT solder pad



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

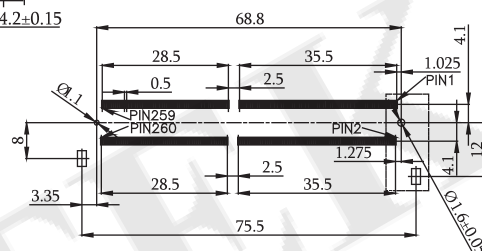
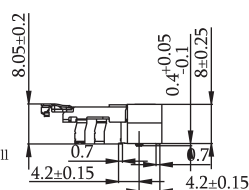
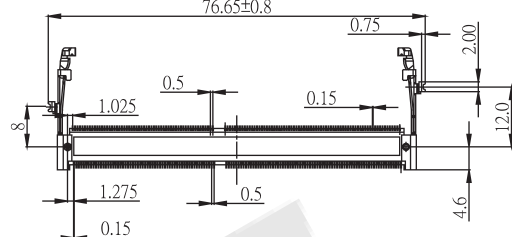
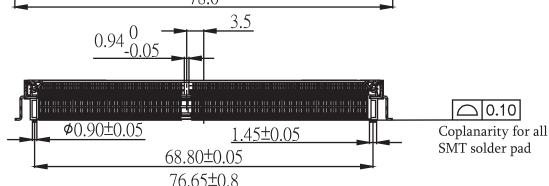
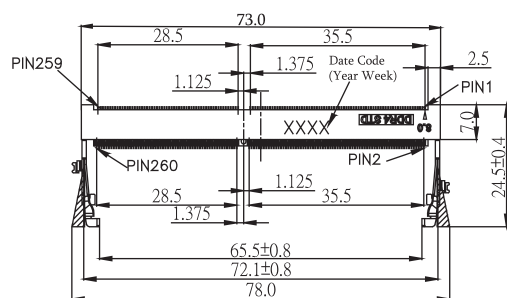
P/N.:5SD45HS35-A3G0BHU-A1

DDR 4 Dimm 260P Standard Type H=8.0

Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

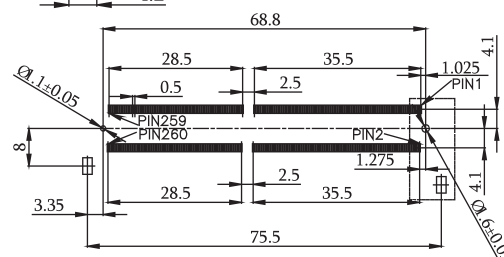
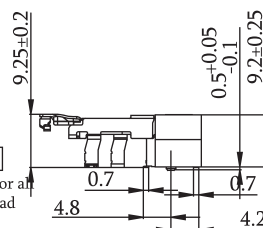
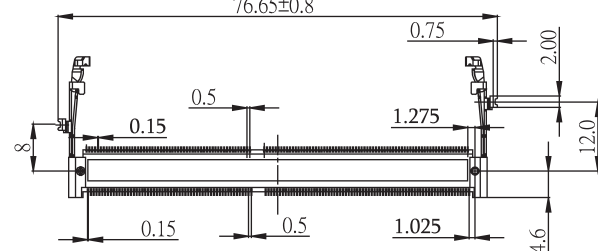
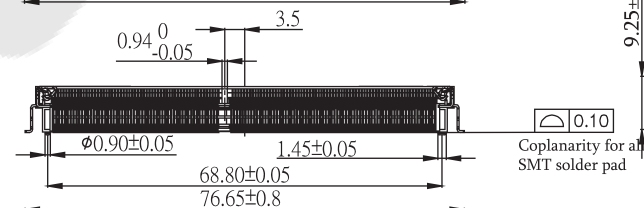
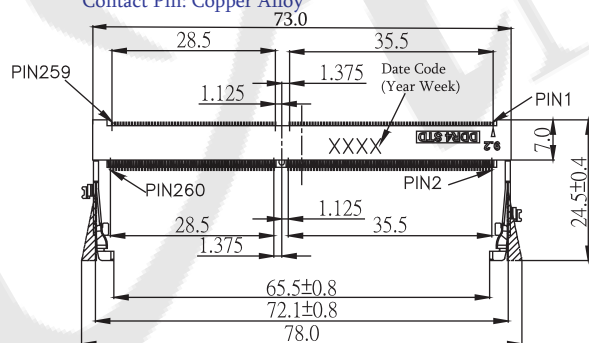
P/N.:5SD45HS38-A3G0BHU-A1

DDR 4 Dimm 260P Standard Type H=9.2

Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

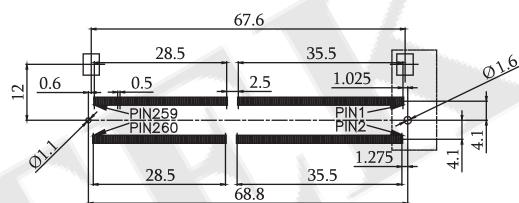
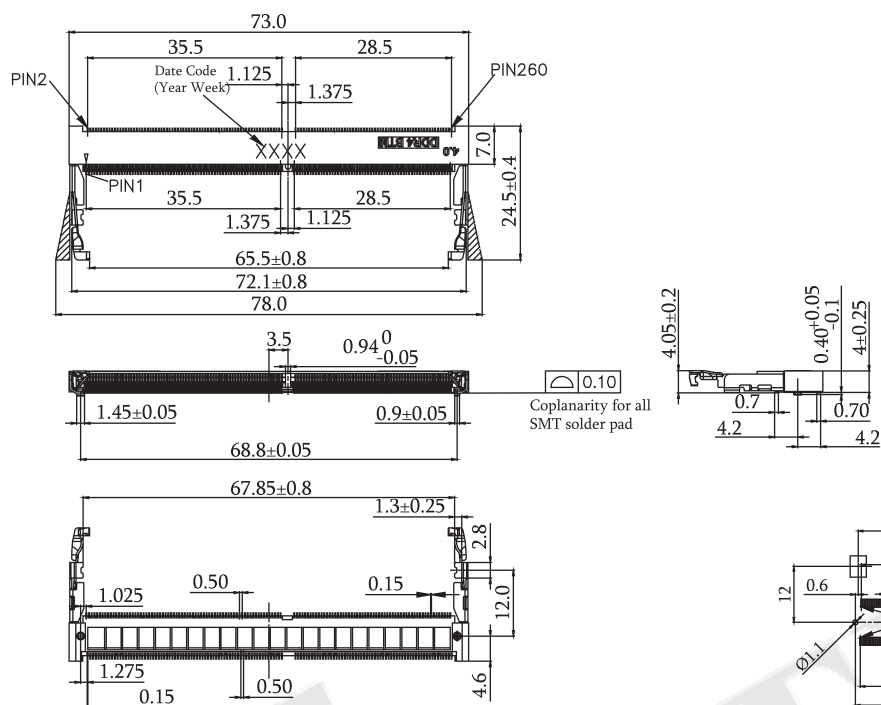
P/N.:5SD45HS39-A3G0BHU-A1

DDR 4 Dimm 260P Reverse Type H=4.0

Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

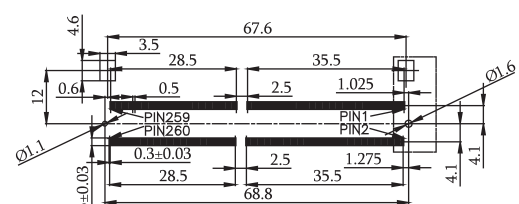
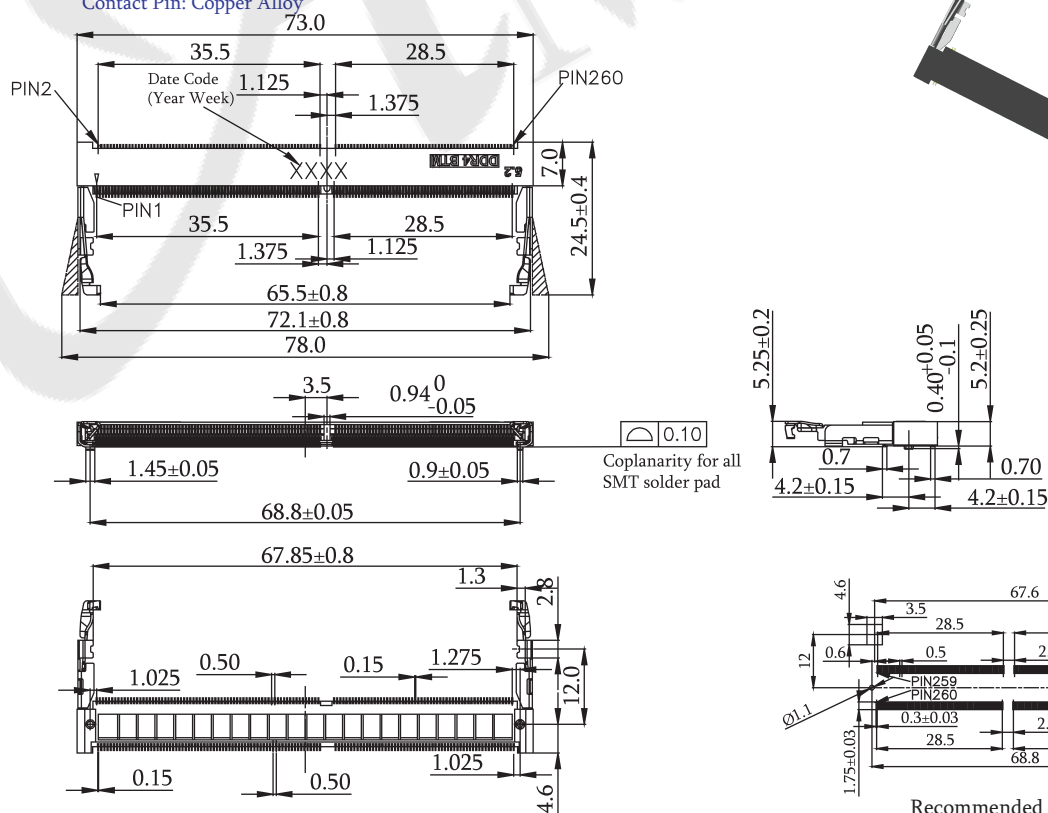
P/N: 5SD45HR34-A3G0BHU-A1

DDR 4 Dimm 260P Reverse Type H=5.2

Material

Insulator: LCP, UL 94V-0, Black

Contact Pin: Copper Alloy



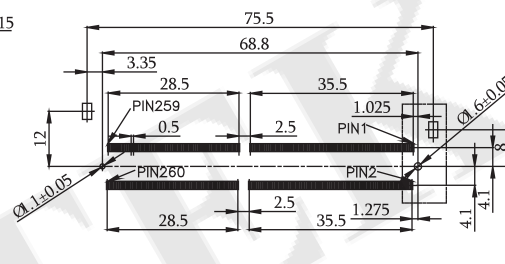
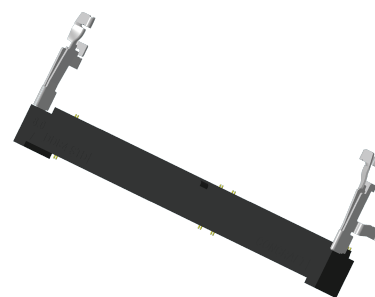
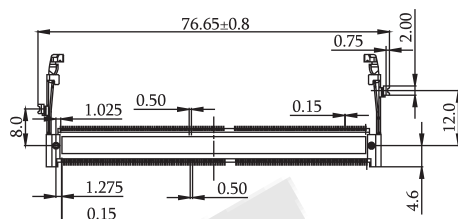
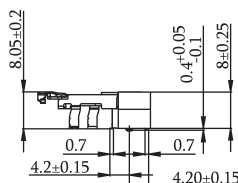
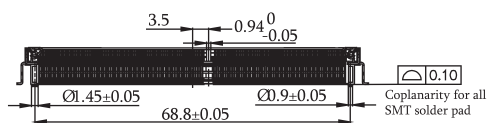
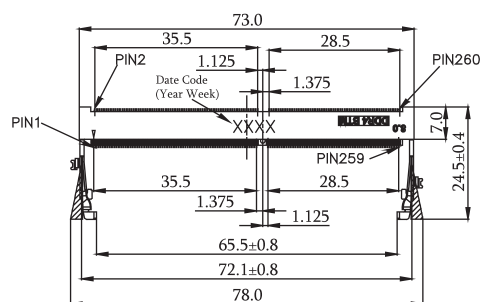
Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

P/N: 5SD45HR35-A3G0BHU-A1

DDR 4 Dimm 260P Reverse Type H=8.0

Material

Insulator: LCP, UL 94V-0, Black
Contact Pin: Copper Alloy



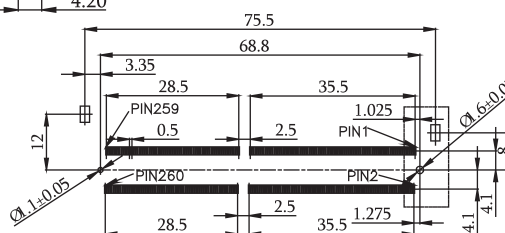
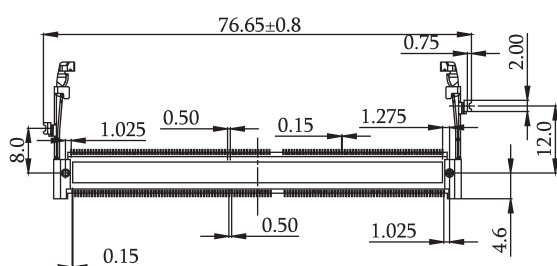
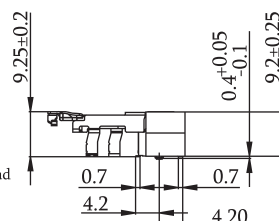
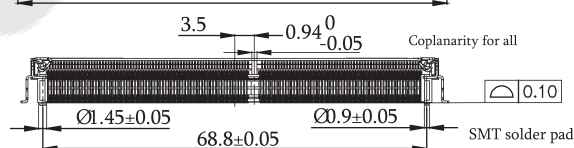
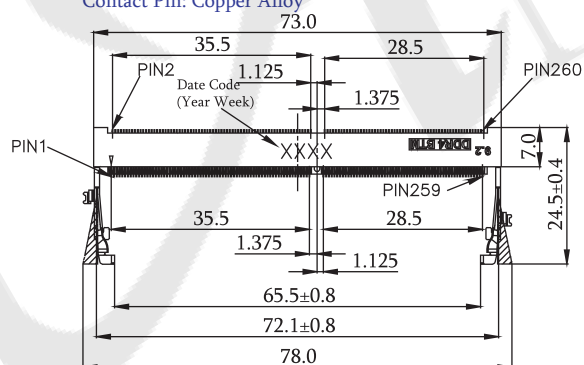
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5SD45HR38-A3G0BHU-A1

DDR 4 Dimm 260P Reverse Type H=9.2

Material

Insulator: LCP, UL 94V-0, Black
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5SD45HR39-A3G0BHU-A1