

G625 2.54mm Card Edge Connector including ISA

Versatile 1 piece Board-to-Board connector system.

Materials

Housing – 94V-0 thermoplastic
Contacts – P/B with 50µ" Ni

Electrical

Current – 3A
Voltage – 600 VAC/rms 60Hz

Durability

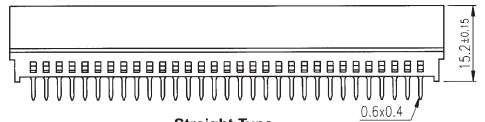
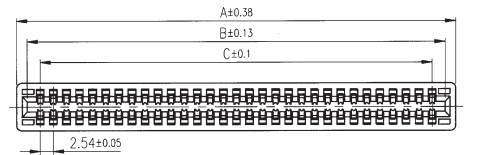
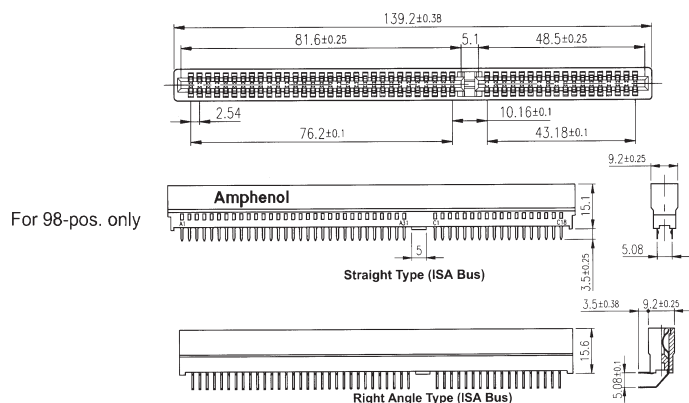
Gold Flash – 75 cycles
10µ" Gold – 125 cycles
15µ" Gold – 150 cycles
30µ" Gold – 250 cycles

Part Number System:

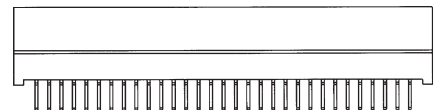
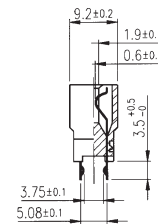
G625 XXX X X 0 X X	
Card Edge Connector 2.54mm Pitch, PCB Mount	VARIATION CODE Blank: Standard
NUMBER OF POSITIONS	CONTACT FINISH
006: 6 Position	0: Gold flash
010: 10 Position	1: 10µ" Gold
012: 12 Position	2: 15µ" Gold
018: 18 Position	3: 30µ" Gold
020: 20 Position	
024: 24 Position	CONTACT MATERIAL
026: 26 Position	0: Phosphor Bronze
028: 28 Position	
030: 30 Position	PC TAIL LENGTH
034: 34 Position	1: 3.5mm
036: 36 Position	2: 4mm
040: 40 Position	CONNECTOR STYLE
	0: Straight PCB Mount
	1: Right angle PCB mount

PNS-6257 Rev.A

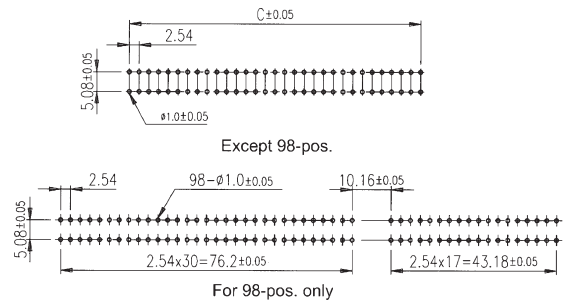
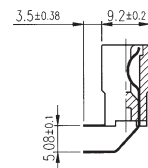
No. of Positions	Dimensions			
	A	B	C	D
6	14.22	10.16	5.08	9.80
10	19.30	15.24	10.16	14.88
12	21.84	17.78	12.70	17.42
18	29.46	25.40	23.32	25.04
20	32.00	27.94	22.86	27.58
24	37.08	33.02	27.94	32.66
26	39.62	35.56	30.48	35.20
28	42.16	38.10	33.02	37.74
30	44.70	40.64	35.56	40.28
34	49.78	45.72	40.64	45.36
36	52.32	48.26	43.18	47.90
40	57.40	53.34	48.26	52.98
44	62.48	58.42	53.34	58.06
50	70.10	66.04	60.96	65.68
60	82.80	78.74	73.66	78.38
62	85.34	81.28	76.20	80.92
72	98.04	93.98	88.90	93.62
80	108.20	104.14	99.06	103.78
86	115.82	111.76	106.68	111.40
98	See Diagram			
100	133.60	129.54	124.46	129.18
104	138.68	134.62	129.54	134.26
120	159.00	154.94	149.86	154.58



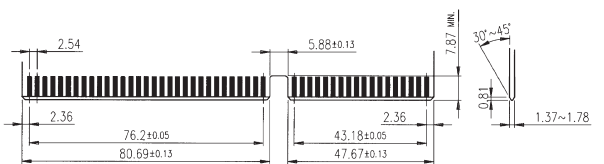
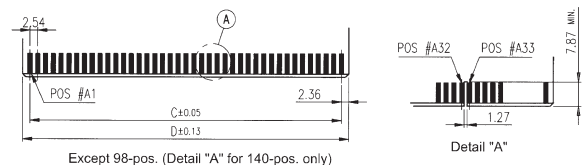
Straight Type



Right Angle Type



Recommended PCB Layouts



Recommended Mating PCB Edge Pattern

For further variations and information, consult representative

Amphenol AMEA

Specifications are subject to change without notice

All dimensions in mm. P/B – Phosphor Bronze. Ni – Nickel. µ" – Micro inches.

<http://www.amphenol.co.za> e-mail: amphenol_africa@csi.com

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AMTA

G627 1.27mm Card Edge Connector (VESA/PCI)

Versatile 1 piece Board to Board connector system.

Materials

Housing – 94V-0 thermoplastic
Contacts – P/B with 50µ" Ni

Electrical

Current – 3A
Voltage – 600 VAC/rms 60Hz

Durability

Gold Flash – 75 cycles
10µ" Gold – 125 cycles
15µ" Gold – 150 cycles
30µ" Gold – 250 cycles

Part Number System:

G627 XXX X X X X X

Card Edge Connector
1.27mm Pitch, PCB Mount

NUMBER OF POSITIONS
See table

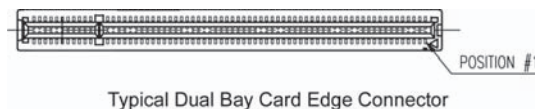
NUMBER OF BAYS
1: Single bay
2: Two bay
3: Three bay

CONTACT FINISH
0: Gold flash
1: 10µ" Gold
2: 15µ" Gold
3: 30µ" Gold

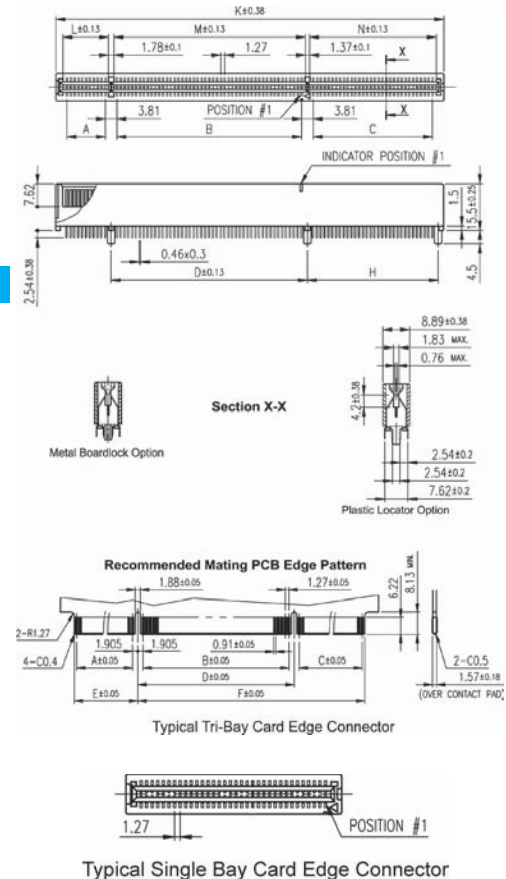
VARIATION CODE
Blank: Standard

BOARD MOUNT OPTION
1: Plastic locator
2: Metal board-lock

INSULATOR MATERIAL
1: PPS, Colour – Brown
2: PPS, Colour – Ivory (PCI)



Typical Dual Bay Card Edge Connector



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No. of Positions	Contact Pair			Dimensions											Remarks
	Bay A	Bay B	Bay C	A	B	C	D	E	F	H	K	L	M	N	
020	10			11.43			15.24	13.72			18.80	13.97			
026	13			15.24			19.05	17.53			22.61	17.78			
030	15			17.78			21.59	20.07			25.15	20.32			
040	11	9		12.70	10.16		13.97	15.49	12.95		34.04	14.99	12.45		MCA
046	11	12		12.70	13.97		17.78	15.49	16.76		37.85	14.99	16.26		MCA
050	25			30.48			34.29	32.77			37.85	33.02			
060	30			36.83			40.64	39.12			44.20	39.37			
060	11	19		12.70	22.86	26.67	15.49	25.65			46.74	14.99	25.15		MCA
068	34			41.91			45.72	44.20			49.28	44.45			
080	11	29		12.70	35.56		39.37	15.49	38.35		59.44	14.99	37.85		MCA
090	11	34		12.70	41.91		45.72	15.49	44.70		65.79	14.99	44.20		MCA
100	11	39		12.70	48.26		52.07	15.49	51.05		72.14	14.99	50.55		MCA
104	11	14		12.70	50.80		54.61	15.49	53.59		74.68	14.99	53.09		MCA
112	11	45		12.70	55.88		59.69	15.49	58.67		79.76	14.99	58.17		VESA
116	58			72.39			76.20	74.68			79.76	74.93			
118	59			73.66			77.47	75.95			81.03	76.20			
120	11	49		12.70	60.96		64.77	15.49	63.75		84.84	14.99	63.25		PCI
132	11	45	10	12.70	55.88	11.43	59.69	15.49	73.91		95.00	14.99	58.12	13.91	MCA
140	11	45	14	12.70	55.88	16.51	59.69	15.49	78.99		100.08	14.99	58.12	18.99	MCA
150	37	38		45.72	46.99		50.80	48.51	49.78		103.89	48.01	49.28		MCA
156	37	41		45.72	50.80		54.61	48.51	53.59		107.70	48.01	53.09		MCA
160	38	42		46.99	52.07		55.88	49.78	54.86		110.24	49.28	54.36		MCA
164	42	40		52.07	49.53		53.34	54.86	52.32		112.78	54.36	51.82		MCA
170	40	45		49.53	55.88		59.69	52.32	58.67		116.59	51.82	58.17		MCA
182	42	49		52.07	60.96		64.77	54.86	63.75		124.21	54.36	63.25		MCA
184A	11	49	32	12.70	60.96	39.37	64.77	15.49	106.93	43.18	128.02	14.99	63.20	41.85	PCI 3.3V
184B	32	11	49	39.37	12.70	60.96	16.51	42.16	80.26	64.77	128.02	41.66	14.94	63.44	PCI 5V
194	42	45	10	52.07	55.88	11.43	59.69	54.86	73.91		134.37	54.36	58.12	13.91	MCA
202	42	49	10	52.07	60.96	11.43	64.77	54.86	78.99		139.45	54.36	63.20	13.91	MCA
204	42	49	11	52.07	60.96	12.70	64.77	54.86	80.26		140.72	54.36	63.20	15.18	MCA
210	50	55		63.23	68.58		72.39	65.02	71.37		141.99	64.52	70.87		MCA
212	40	40	26	49.53	49.53	31.75	53.34	52.32	87.88	88.90	145.80	51.82	51.77	34.23	MCA
220	42	40	28	52.07	49.53	34.29	53.34	54.86	90.42		150.88	54.36	51.77	36.77	MCA
240A	42	45	33	52.07	55.88	40.64	59.69	54.86	103.12		163.58	54.36	58.12	43.12	MCA
240B	11	45	64	12.70	55.88	80.01	59.69	15.49	142.29		163.58	14.99	58.12	82.49	MCA
260	42	45	43	52.07	55.88	53.34	59.69	54.86	115.82		176.28	54.36	58.12	55.82	MCA
300	42	49	59	52.07	60.96	73.66	64.77	54.86	141.22	77.47	201.68	54.36	63.20	76.14	MCA

For further variations and information, consult representative

Versatile 1 piece Board to Board connector system.

Housing	– 94V-0 thermoplastic
Contacts	– P/B with 50μ" Ni

Current – 0.5A
Voltage – 125 VAC/rms 60Hz

Gold Flash	– 75 cycles
10μ" Gold	– 125 cycles
15μ" Gold	– 150 cycles
30μ" Gold	– 250 cycles

G627S XXX X X X X X

1.27mm Pitch, Surface Mount

Single Bay

010	030	080
012	040	100
020	050	120(PCI)
026	060	

040	080	120(PCI)
050	100	182
060	112(VESA)	

132
184A (PCI 3.3V)
184B (PCI 5.0V)

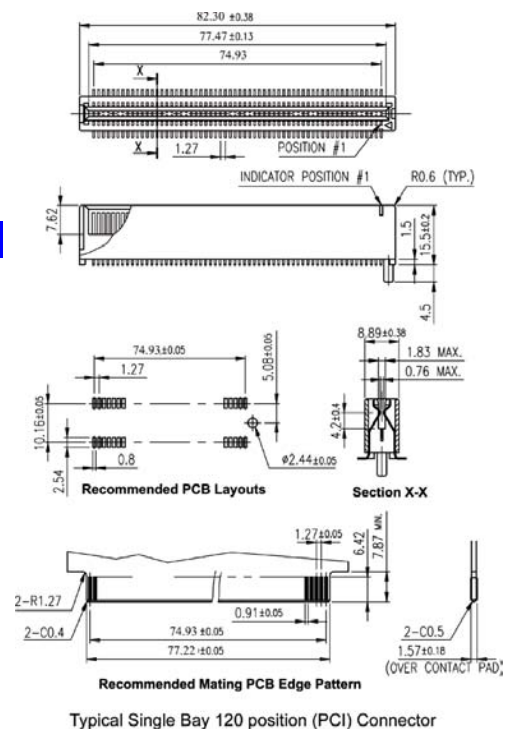
Blank: Standard

1: Plastic locator

1: PPS, Colour – Brown
2: PPS, Colour – Ivory (PCI)

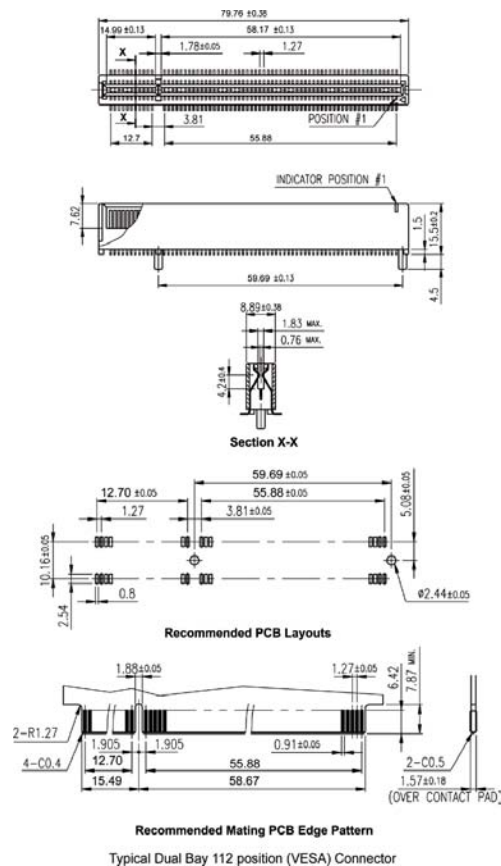
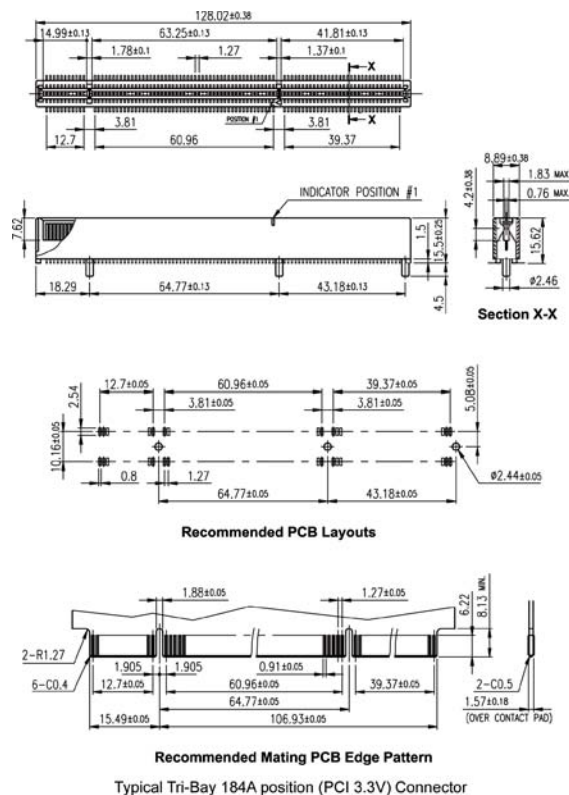
0: Gold flash
1: 10 μ " Gold
2: 15 μ " Gold
3: 30 μ " Gold

1: Single bay
2: Two bay
3: Three bay



PNS-627S Rev.A

For further information refer to catalogue PC-97004(AMTA)



For further variations and information, consult representative

