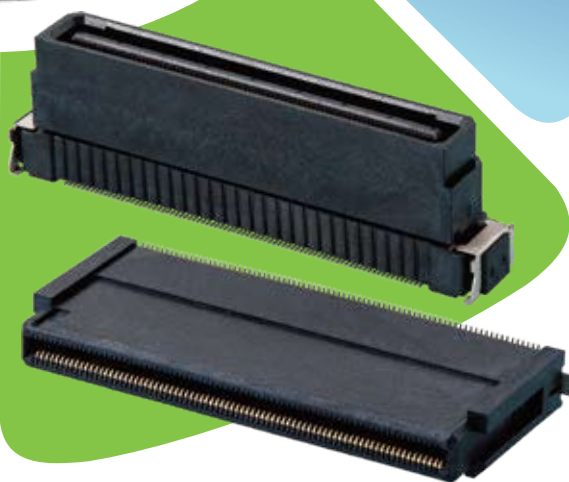
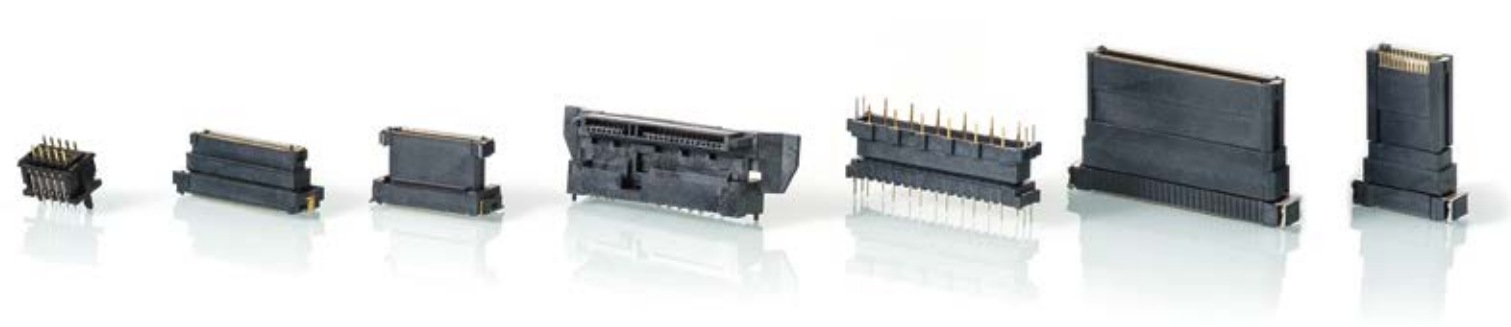




Floating Connectors

X, Y, Z AXES
Spring-Like

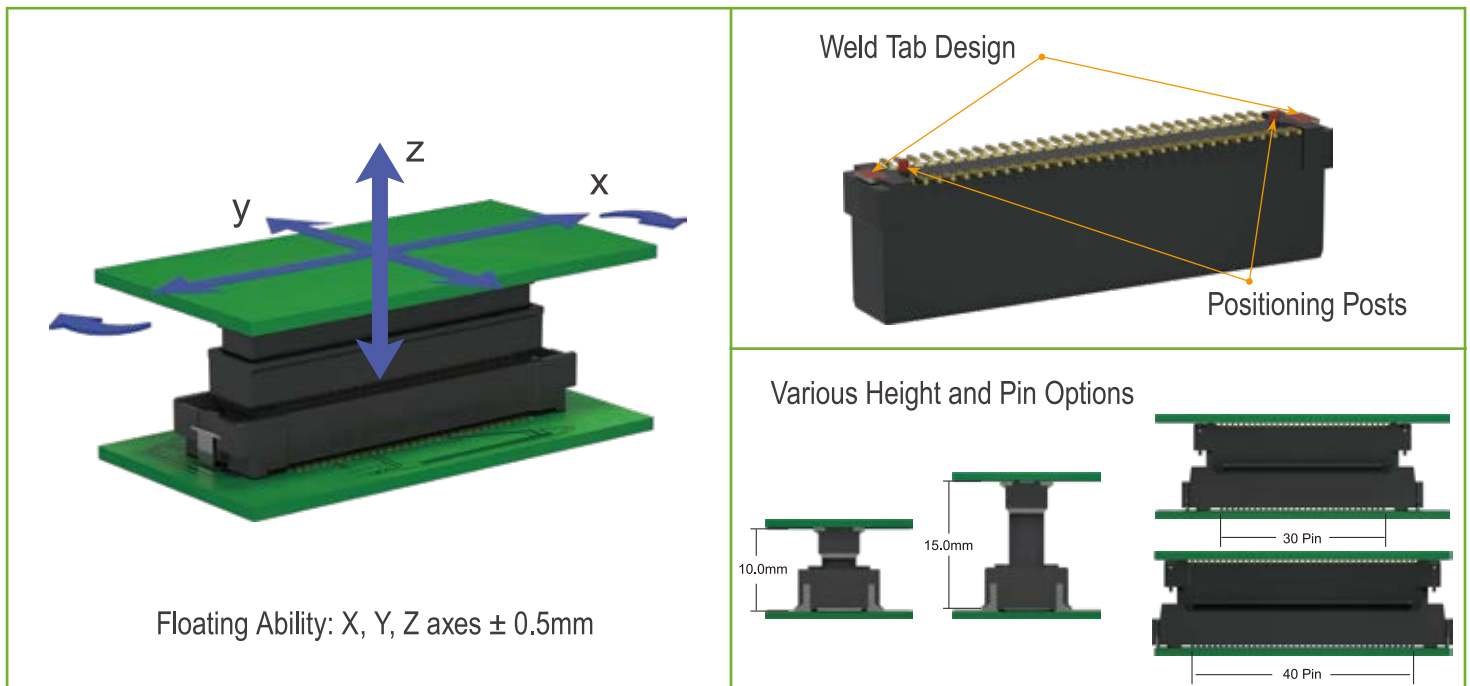




CONTENT

	CHARACTERISTICS	1
	SPECIFICATIONS	2
	Floating S-Parameters	3
0.50mm	GBAC229 SERIES	4
	CBAC229 SERIES	5
	GGAC201 SERIES	8Gbps 6 / 7
	CGAC201 SERIES	8Gbps 8 / 9 / 10
	GGAC203 SERIES	8Gbps 11 / 12 / 13
	CGAC203 SERIES	8Gbps 14 / 15
	CGAC204 SERIES	8Gbps 16
	CGAD201 SERIES	8Gbps 17
0.635mm	GGZC201 SERIES	18
	CGZC201 SERIES	19
	CGZC202 SERIES	20
	CGZC203 SERIES	21
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	SELECTION	27 / 28 / 29

| Characteristics



| Advantages of Floating Connectors:

- Conducive to automated production saving labor costs
- Can effectively solve the problem of misalignment caused by having multiple connectors on one board
- Eliminate stress during assembly and pairing processes creating high reliability
- The floating characteristic helps increase the tolerance of the overall circuit board and reduces the difficulty of production

| Features of Floating Connectors:

- X and Y axes have a certain distance of movement in the axial direction
- Weld tab design to strengthen the welded connection
- Positioning posts to prevent misalignment when soldering onto PCB boards
- Various height and pitch combinations to choose from
- Available in Tape Reel packaging for automation

| Floating Connector Material:

- Insulation Material: LCP
- Contact Material: Copper Alloy
- Electroplating Layer: Bottom Layer-Nickel, Surface Layer-Gold or Tin



| Specifications

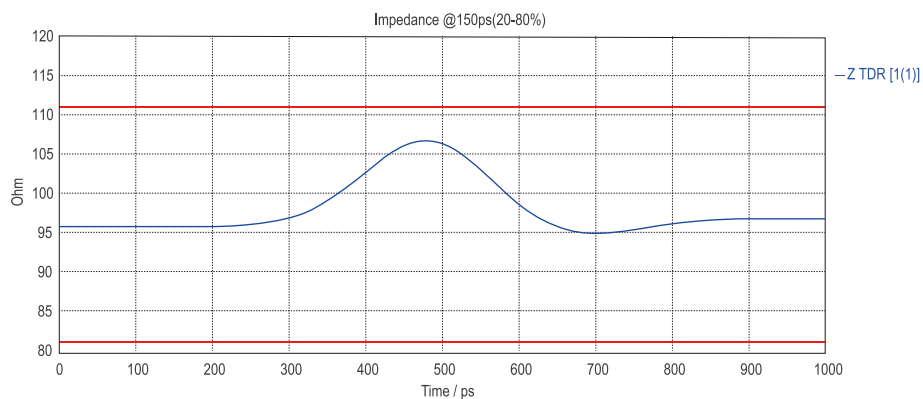
Items	Specifications			Conditions
	Pitch: 0.50mm	Pitch: 0.635mm	Pitch: 0.80mm	
Rated Current	0.4A/Pin	0.5A/Pin	0.5A/Pin	
Rated Voltage	According to the actual situation			
Operating Temperature	-40°C to 105°C			
Contact Resistance	≤ 100mΩ			
Insulation Resistance	≥ 500MΩ			
Withstand Voltage	AC 250V			EIA-364-20: 1 min
Current Temperature Rise	△T ≤ 30°C			EIA-364-70
Mechanical Vibration	Instant Rupture <1μs			EIA-364-28: Test conditions according to product specification
Mechanical Shock	Instant Rupture <1μs			EIA-364-27: Test conditions according to product specification
Durability	30 mating cycles	100 mating cycles		EIA-364-09
Retention Force	≥ 1N/Pin			
Insertion Force	According to product specification			
Preservative	Impedance ≤ 120mΩ			EIA-364-26: 35±2°C, 5% salt solution, Gold: 48H, Tin: 8H
Temperature and Humidity Control				EIA-364-31: 40±2°C, 90-95% RH, 96H
Thermal Shock				Condition: -40°C to 105°C, Test method according to product specification
Temperature Life (High Temperature)				Condition: -105±2°C, Test method according to product specification
Soldering Heat Resistance	260±5°C			EIA-364-56: 5-15 seconds



| Floating S-Parameters

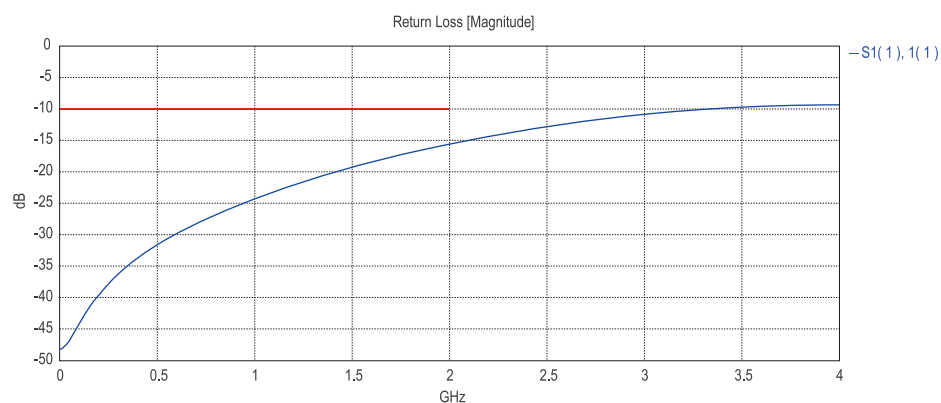
Impedance:

$100\Omega \pm 15\Omega$ @150ps(20-80%)



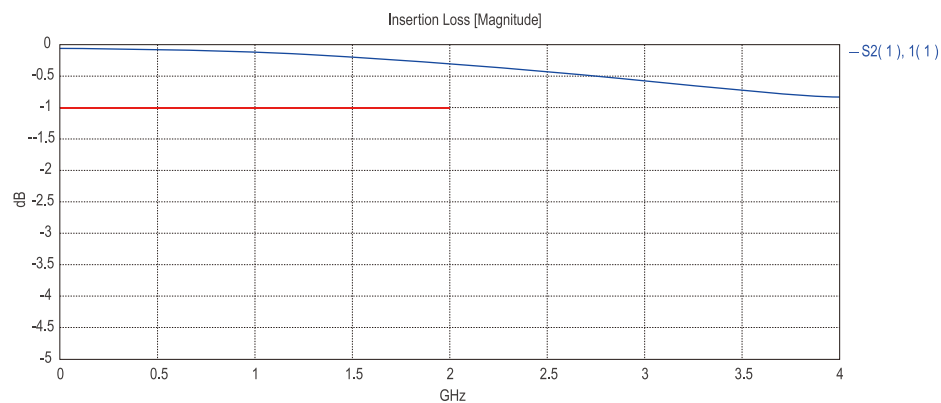
Return Loss:

less than -10dB up to 2GHz



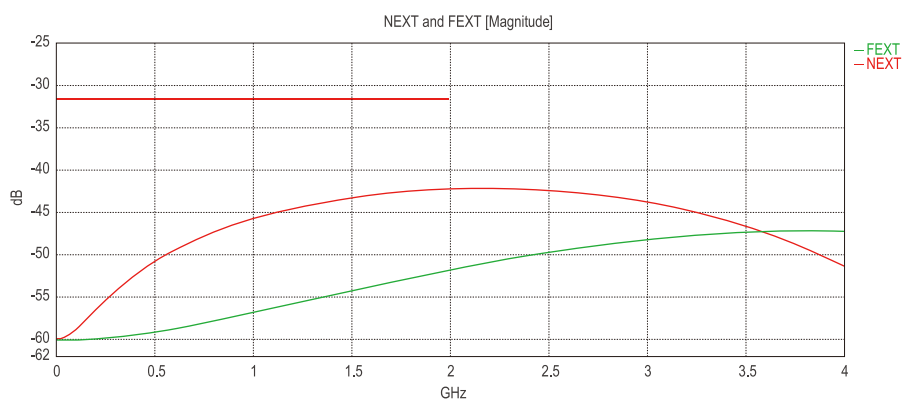
Insertion Loss:

greater than -1dB up to 2GHz



NEXT and FEXT:

less than -32dB up to 2GHz



PRODUCT SPECIFICATIONS

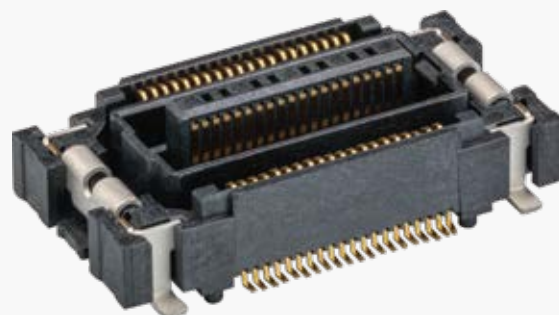
Current Rating : 0.4 Amp / Pin

Contact Resistance : 100 mΩ Max.

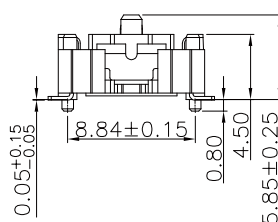
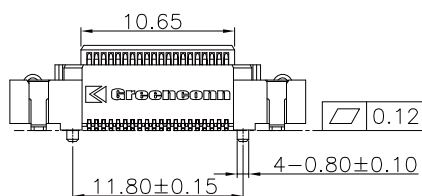
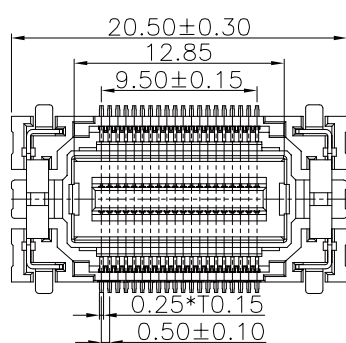
Dielectric Withstanding Voltage : 250 VAC / 60S

Insulation Resistance : 500 MΩ Min.

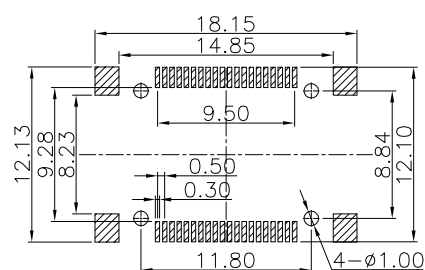
Operating Temperature : -40 °C to +105 °C



DIMENSIONAL DRAWINGS



Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CBAC229	7.2-9.4mm	5

Ordering Information

GBAC229 - **XX**

No. of Pins per Row

20

XX

Standard Plating

02 : Gold Flash

B001 C **1**

Color

Black

N **F**

Standard Packing

Cap + Tape&Reel

0.50 mm
CBAC229
SERIES

FIXED SIDE

S.M.T.



PRODUCT SPECIFICATIONS

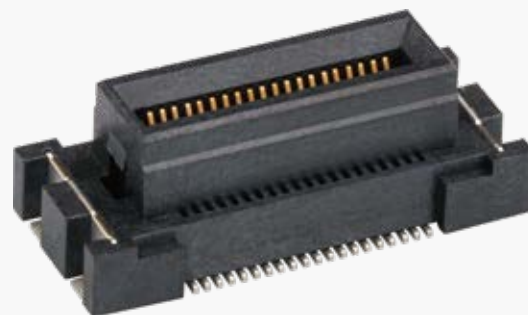
Current Rating : 0.4 Amp / Pin

Contact Resistance : 100 mΩ Max.

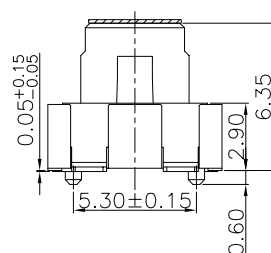
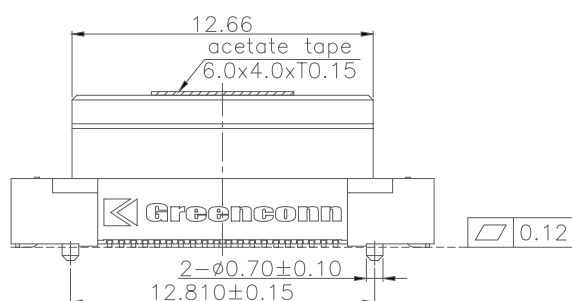
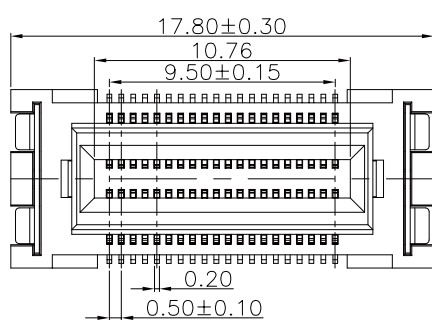
Dielectric Withstanding Voltage : 250 VAC / 60S

Insulation Resistance : 500 MΩ Min.

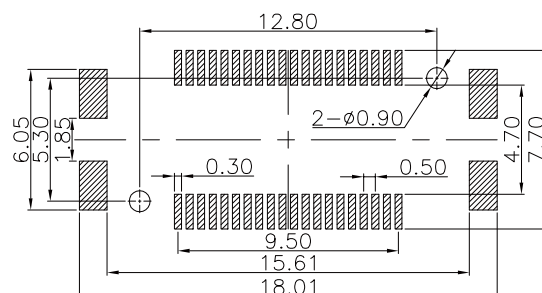
Operating Temperature : -40 °C to +105 °C



DIMENSIONAL DRAWINGS



Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GBAC229	7.2-9.4mm	4

Ordering Information

CBAC229 - **XX**

No. of Pins per Row

20

XX

Standard Plating

75 : 0.6u" Au / 80~160u" Matte Tin

79 : 5u" Au / 80~160u" Matte Tin

B001C

1

Color

Black

N **H**

Standard Packing

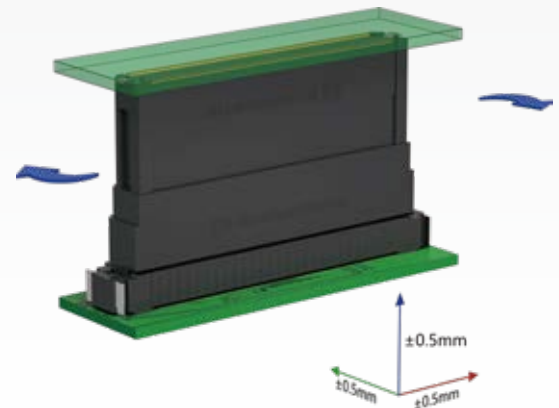
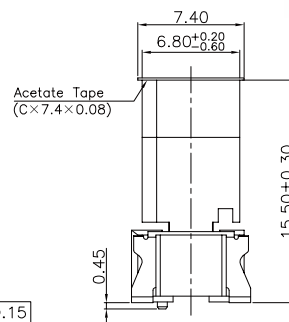
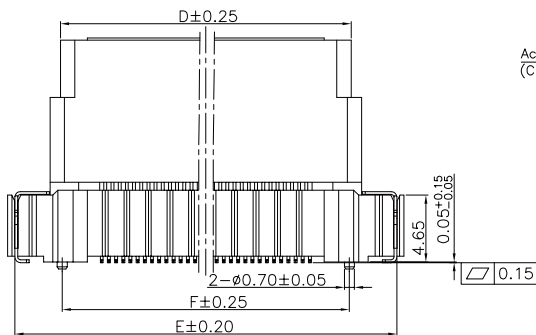
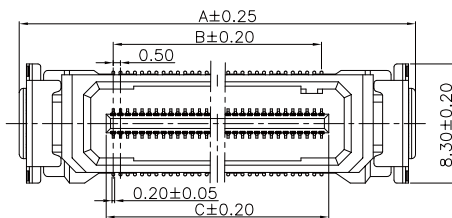
Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.4 Amp / Pin
Contact Resistance : 100 mΩ Max.
Dielectric Withstanding Voltage : 250 VAC
Insulation Resistance : 500 MΩ Min.
Operating Temperature : -40 °C to +105 °C

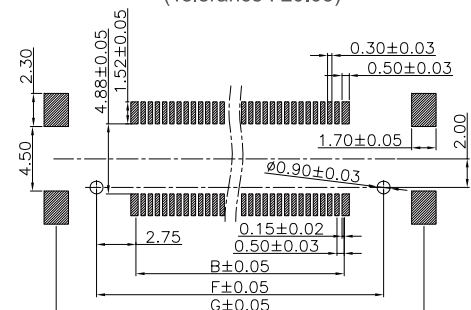


DIMENSIONAL DRAWINGS



PIN NO	A	B	C	D	E	F	G
2X20	22.60	9.50	10.50	15.25	21.60	15.00	20.60
2X30	27.60	14.50	15.50	20.25	26.60	20.00	25.60
2X40	32.60	19.50	20.50	25.25	31.60	25.00	30.60
2X50	37.60	24.50	25.50	30.25	36.60	30.00	35.60
2X60	42.60	29.50	30.50	35.25	41.60	35.00	40.60
2X70	47.60	34.50	35.50	40.25	46.60	40.00	45.60
2X80	52.60	39.50	40.50	45.25	51.60	45.00	50.60

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC201-B001	29.5-31.0mm	8
GGAC201-B002	17.5-19.0mm	9
GGAC201-B003	24.5-26.0mm	10

Ordering Information

GGAC201 - **XX**

No. of Pins per Row

20 30 40 50 60
70 80

XX

Standard Plating

02 : Gold Flash

B001 C **1**

Color

Black

9 **H**

Standard Packing

Acetate Tape+Tape&Reel

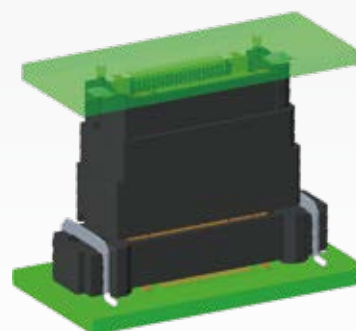
0.50 mm GGAC201

B003 SERIES 8Gbps **FLOATING SIDE** S.M.T.

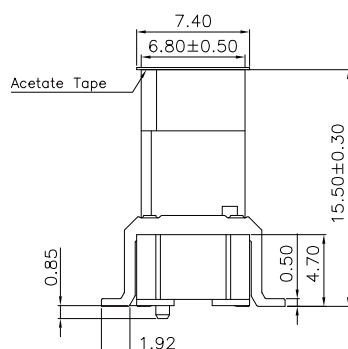
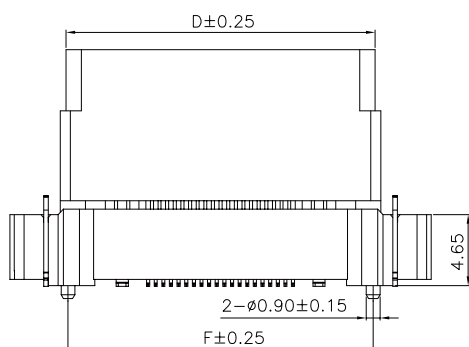
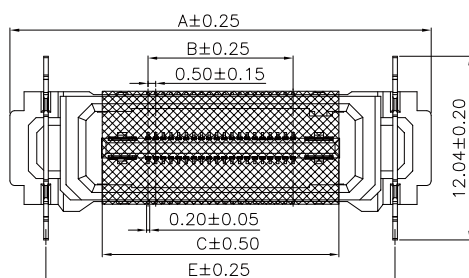


PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 6Amp / pin
Contact Resistance : 80 mΩ Max.
Dielectric Withstanding Voltage : 200VAC
Insulation Resistance : 100 MΩ Min.
Operating Temperature : -40 °C to +105 °C

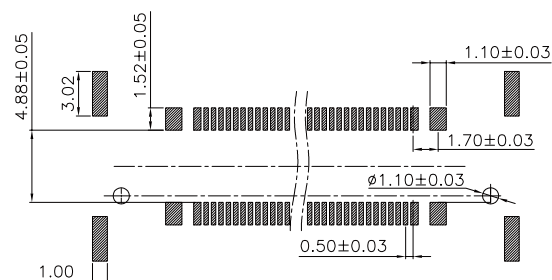


DIMENSIONAL DRAWINGS



No. of PIN/ROW	Dimension Information					
	A	B	C	D	E	F
2X15	25.10	7.00	8.00	17.75	20.40	17.50
2X20	27.60	9.50	8.00	20.25	22.90	20.00
2X30	32.60	14.50	8.00	25.25	27.90	25.00
2X40	37.60	19.50	8.00	30.25	32.90	30.00
2X50	42.60	24.50	25.50	35.25	37.90	35.00
2X60	47.60	29.50	25.50	40.25	42.90	40.00
2X70	52.60	34.50	25.50	45.25	47.90	45.00

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CGAC204-B001	19.5-21.0mm	16

Ordering Information

GGAC201 - **XX**

No. of Pins per Row

15 **20** **30** **40** **50**
60 **70**

XX

Standard Plating

R9 : 4u" Au / Gold Flash

B003 C **1**

Color

Black

9 **H**

Standard Packing

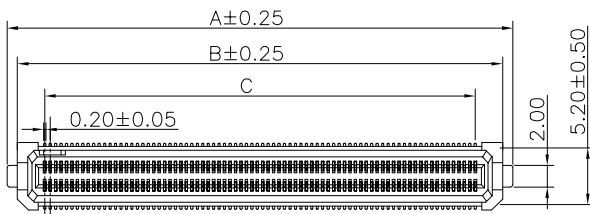
Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.4 Amp / Pin
Contact Resistance : 100 mΩ Max.
Dielectric Withstanding Voltage : 250 VAC
Insulation Resistance : 500 MΩ Min.
Operating Temperature : -40 °C to +105 °C

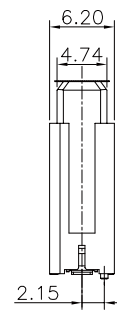
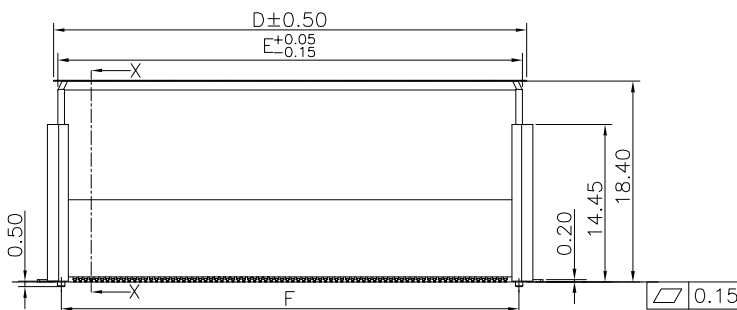


DIMENSIONAL DRAWINGS

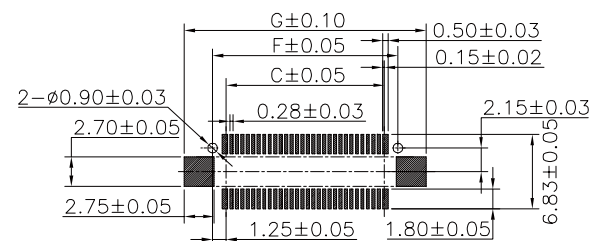


No. of PIN/ROW	A	B	C	D	E	F	G
80	46.40	44.50	39.50	43.40	42.60	42.00	47.20
70	41.40	39.50	34.50	38.40	37.60	37.00	42.20
60	36.40	34.50	29.50	33.40	32.60	32.00	37.20
50	31.40	29.50	24.50	28.40	27.60	27.00	32.20
40	26.40	24.50	19.50	23.40	22.60	22.00	27.20
30	21.40	19.50	14.50	18.40	17.60	17.00	22.20
20	16.40	14.50	9.50	13.40	12.60	12.00	17.20

Dimension Information



Recommended P.C.Board Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC201	29.5-31.0mm	6

Ordering Information

CGAC201 - **XX**

No. of Pins per Row

20 30 40 50 60
70 80

XX

Standard Plating

02 : Gold Flash

B001 C **1**

Color

Black

9 **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

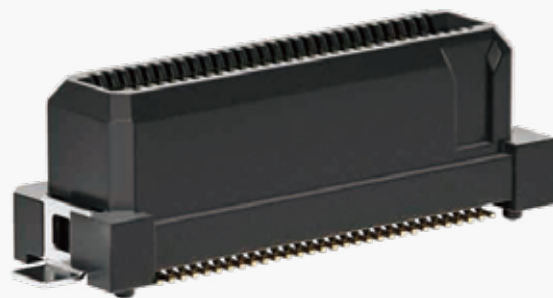
Current Rating : 0.4 Amp / Pin

Contact Resistance : 80 mΩ Max.

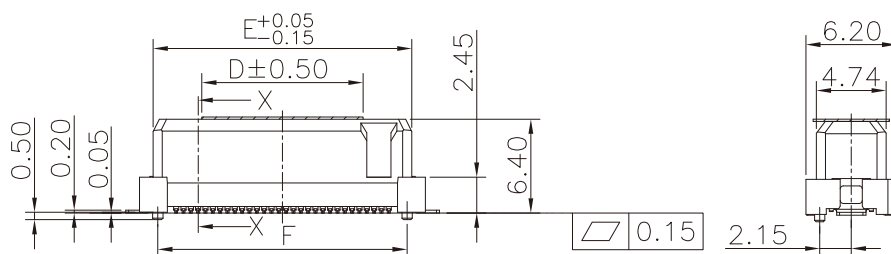
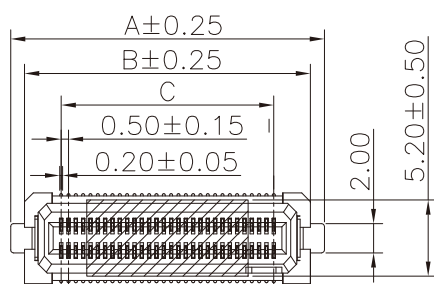
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 100 MΩ Min.

Operating Temperature : -40 °C to +105 °C



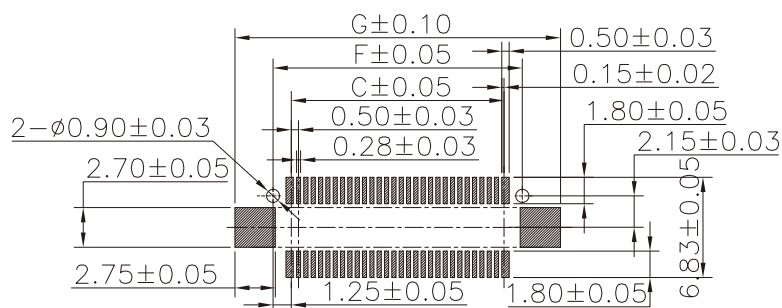
DIMENSIONAL DRAWINGS



80	46.40	44.50	39.50	28.50	42.60	42.00	47.20
70	41.40	39.50	34.50	28.50	37.60	37.00	42.20
60	36.40	34.50	29.50	28.50	32.60	32.00	37.20
50	31.40	29.50	24.50	28.50	27.60	27.00	32.20
40	26.40	24.50	19.50	11.00	22.60	22.00	27.20
30	21.40	19.50	14.50	11.00	17.60	17.00	22.20
20	16.40	14.50	9.50	11.00	12.60	12.00	17.20
15	13.90	12.00	7.00	11.00	10.10	9.50	14.70
No. of PIN/ROW	A	B	C	D	E	F	G

Dimension Information

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC201	17.5-19.0mm	6

Ordering Information

CGAC201 - **XX**

No. of Pins per Row

15 **20** **30** **40** **50**
60 **70** **80**

XX

Standard Plating

02 : Gold Flash

Selective Plating

06 : 6u" Au / Gold Flash

09 : 3u" Au / Gold Flash

B002 C **1**

Color

Black

9 **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.4 Amp / Pin

Contact Resistance : 80 mΩ Max.

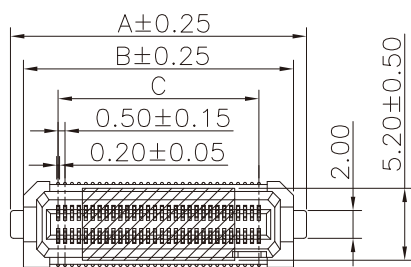
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 100 MΩ Min.

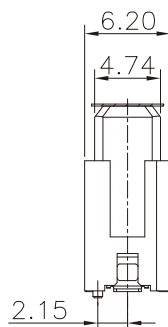
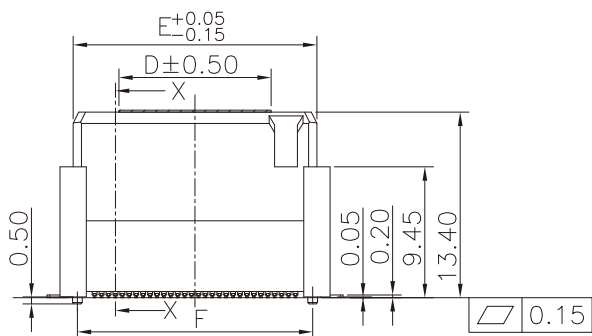
Operating Temperature : -40 °C to +105 °C



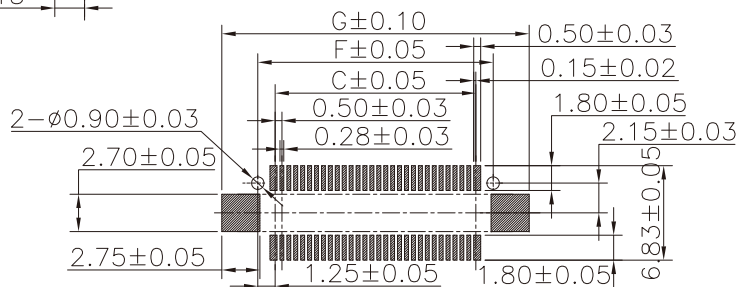
DIMENSIONAL DRAWINGS



80	46.40	44.50	39.50	28.50	42.60	42.00	47.20
70	41.40	39.50	34.50	28.50	37.60	37.00	42.20
60	36.40	34.50	29.50	28.50	32.60	32.00	37.20
50	31.40	29.50	24.50	28.50	27.60	27.00	32.20
40	26.40	24.50	19.50	11.00	22.60	22.00	27.20
30	21.40	19.50	14.50	11.00	17.60	17.00	22.20
20	16.40	14.50	9.50	11.00	12.60	12.00	17.20
15	13.90	12.00	7.00	11.00	10.10	9.50	14.70
No. of PIN/ROW	A	B	C	D	E	F	G
Dimension Information							



Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with : GGAC201 (M/H 24.5-26.0mm)

Mates with

Serial No.	Mating Height	Page
GGAC201	24.5-26.0mm	6

Ordering Information

CGAC201 - **[XX]**

No. of Pins per Row

15 **20** **30** **40** **50**
60 **70** **80**

[XX]

Standard Plating

02 : Gold Flash

Selective Plating

06 : 6u" Au / Gold Flash

09 : 3u" Au / Gold Flash

B003 C **[1]**

Color

Black

9 **[H]**

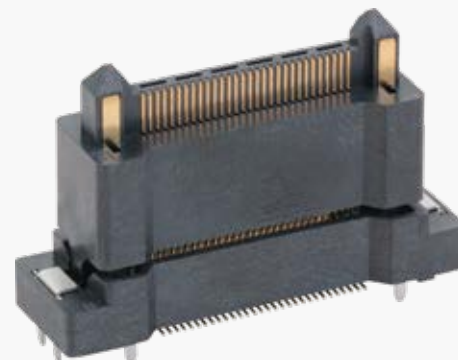
Standard Packing

Acetate Tape+Tape&Reel

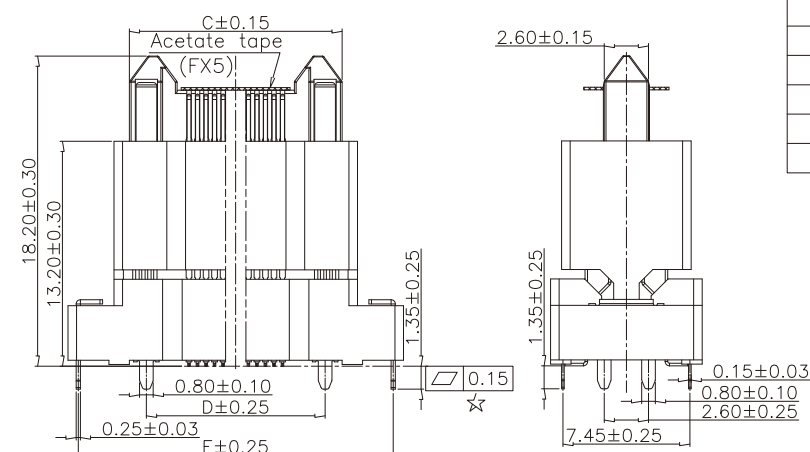
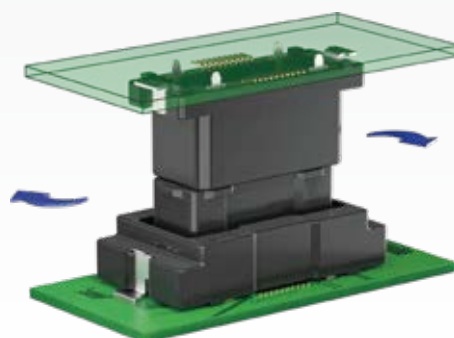
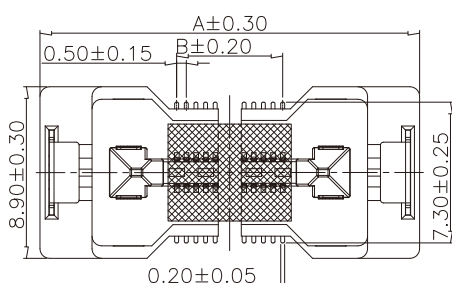
A001 SERIES 8Gbps **FLOATING SIDE** **S.M.T.**

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C

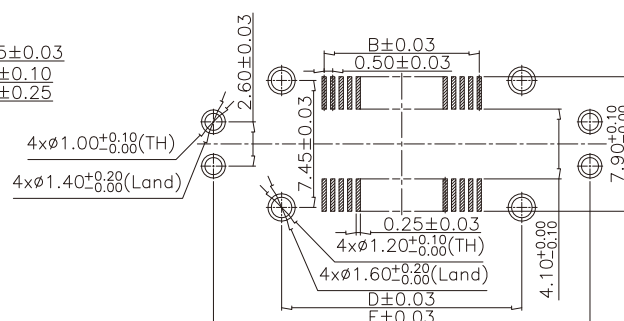


DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information					
	A	B	C	D	E	F
2x10	18.70	4.50	11.50	9.50	17.50	5.0
2x20	23.70	9.50	16.50	14.50	22.50	10.0
2x30	28.70	14.50	21.50	19.50	27.50	10.0
2x40	33.70	19.50	26.50	24.50	32.50	10.0
2x50	38.70	24.50	31.50	29.50	37.50	10.0
2x60	43.70	29.50	36.50	34.50	42.50	10.0

Recommended P.C.Board
Layout
(Tolerance : ± 0.05)



Mates with

Serial No.	Mating Height	Page
CGAC203-A001	19.5-21.0mm	14
CGAC203-A002	18.0-20.0mm	15
CGAD201	21.4-22.3mm	17

Ordering Information

GGAC203 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A001 X **1**

Color

Black

X **H**

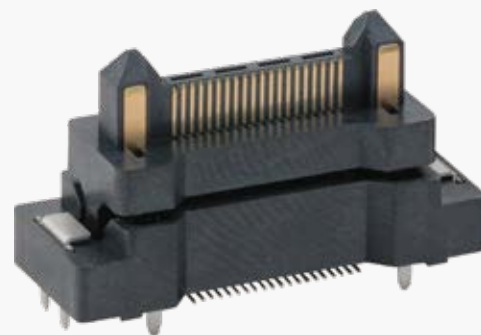
Standard Packing

Acetate Tape+Tape&Reel

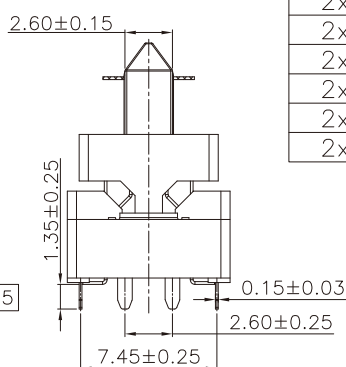
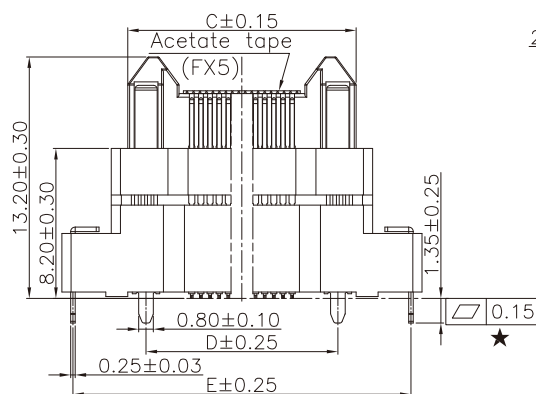
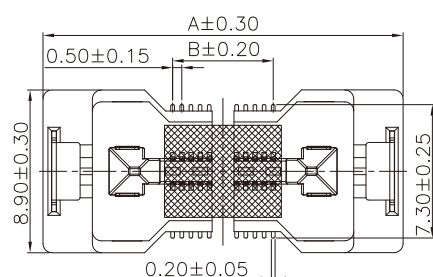
A002 SERIES 8Gbps **FLOATING SIDE** S.M.T.

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C

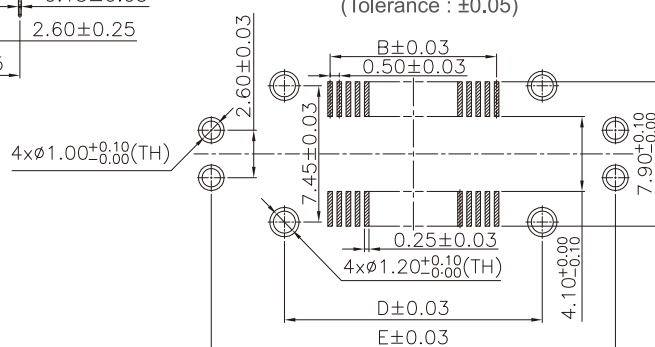


DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information					
	A	B	C	D	E	F
2x10	18.70	4.50	11.50	9.50	17.50	5.0
2x20	23.70	9.50	16.50	14.50	22.50	10.0
2x30	28.70	14.50	21.50	19.50	27.50	10.0
2x40	33.70	19.50	26.50	24.50	32.50	10.0
2x50	38.70	24.50	31.50	29.50	37.50	10.0
2x60	43.70	29.50	36.50	34.50	42.50	10.0

Recommended P.C.Board Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CGAC203-A001	14.5-16.0mm	14
CGAC203-A002	13.0-15.0mm	15
CGAD201	16.3-17.2mm	17

Ordering Information

GGAC203 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A002 X **1**

Color

Black

X **H**

Standard Packing

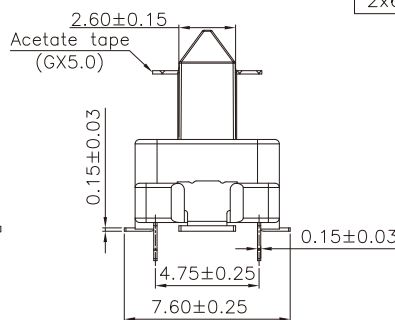
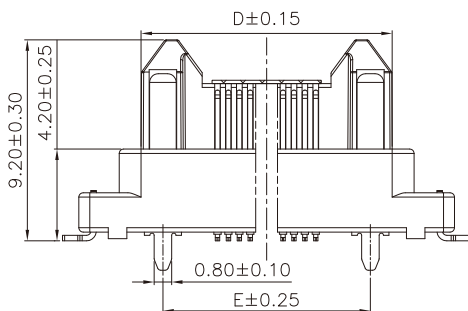
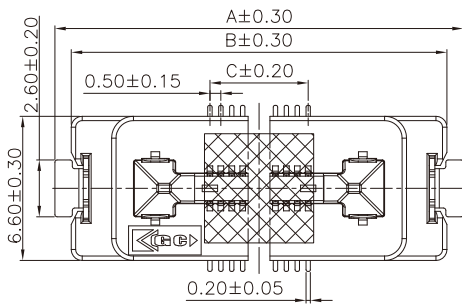
Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C

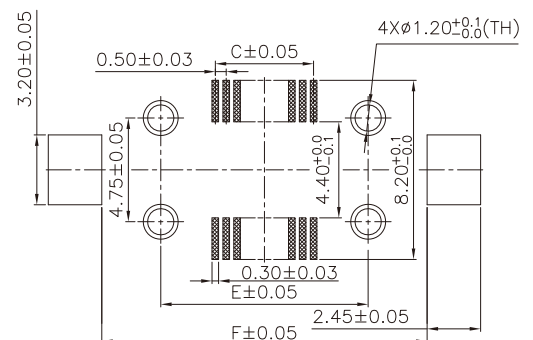


DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information						
	A	B	C	D	E	F	G
2x10Pin	18.70	17.20	4.50	11.50	9.50	14.90	5.0
2x20Pin	23.70	22.20	9.50	16.50	14.50	19.90	10.0
2x30Pin	28.70	27.20	14.50	21.50	19.50	24.90	10.0
2x40Pin	33.70	32.20	19.50	26.50	24.50	29.90	10.0
2x50Pin	38.70	37.20	24.50	31.50	29.50	34.90	10.0
2x60Pin	43.70	42.20	29.50	36.50	34.50	39.90	10.0

Recommended P.C.Board Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CGAC203-A001	11.0-12.0mm	14
CGAC203-A002	9.5-11.0mm	15
CGAD201	12.1-13.1mm	17

Ordering Information

GGAC203 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A003 X **1**

Color

Black

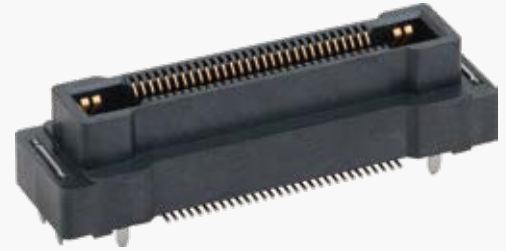
X **H**

Standard Packing

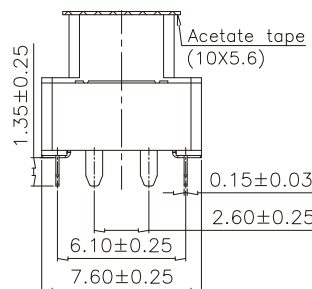
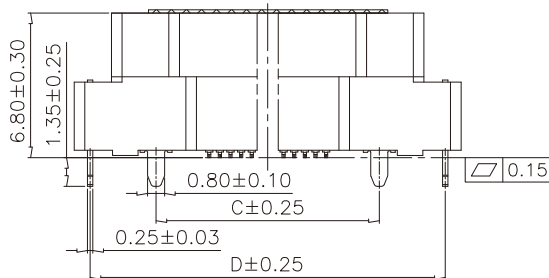
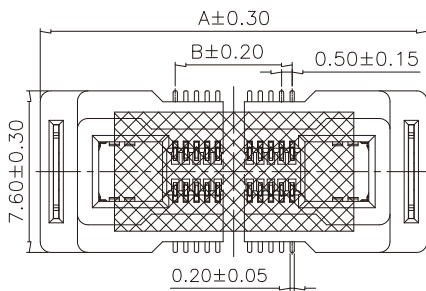
Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C

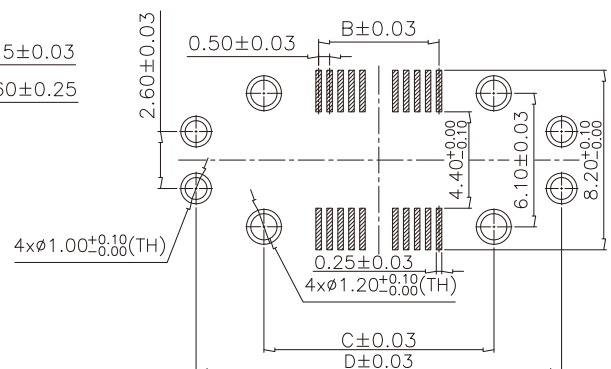


DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information			
	A	B	C	D
2x10	17.20	4.50	9.50	15.70
2x20	22.20	9.50	14.50	20.70
2x30	27.20	14.50	19.50	25.70
2x40	32.20	19.50	24.50	30.70
2x50	37.20	24.50	29.50	35.70
2x60	42.20	29.50	34.50	40.70

Recommended P.C.Board Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC203-A001	19.5-21.0mm	11
GGAC203-A002	14.5-16.0mm	12
GGAC203-A003	11.0-12.0mm	13

Ordering Information

CGAC203 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A001 X **1**

Color

Black

X **H**

Standard Packing

Acetate Tape+Tape&Reel

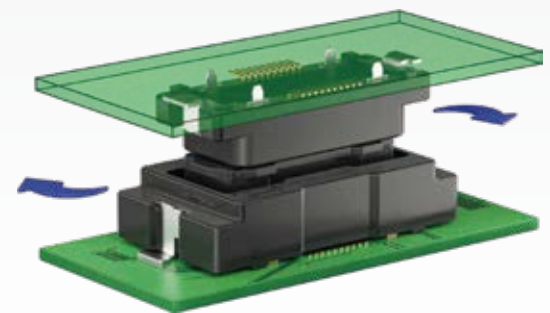
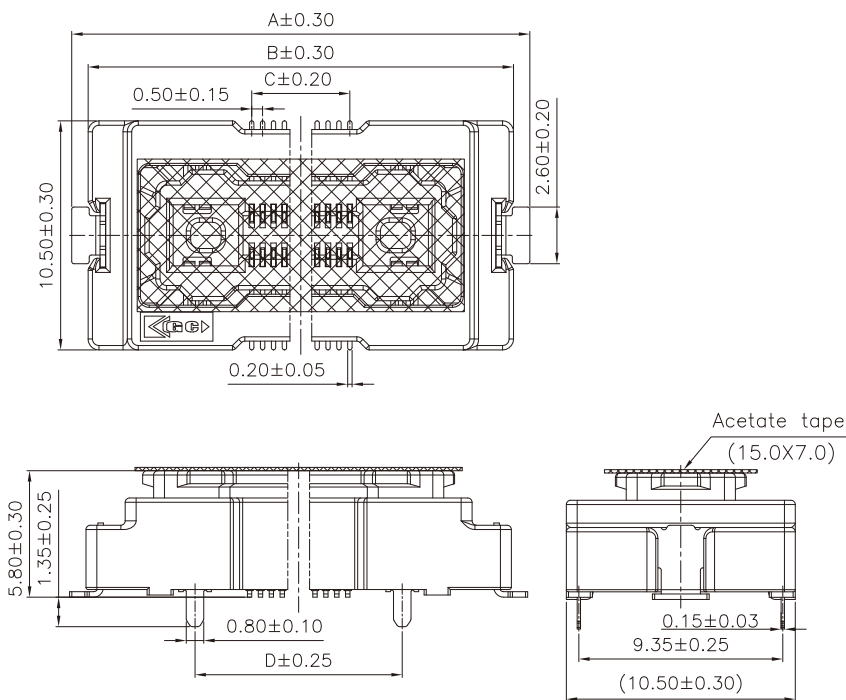
A002 SERIES 8Gbps **FLOATING SIDE** **S.M.T.**

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C



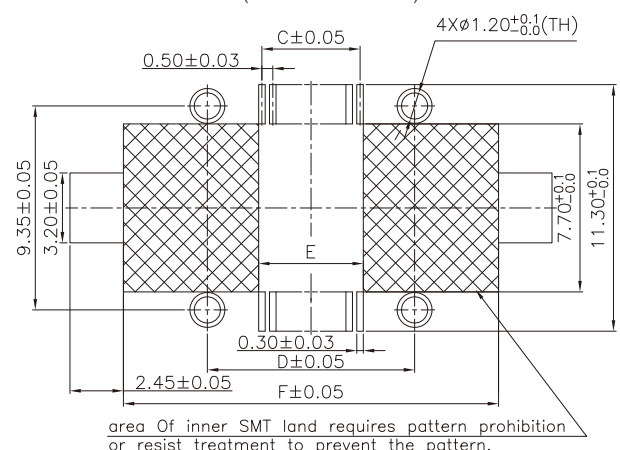
DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information					
	A	B	C	D	E	F
2x10Pin	21.00	19.50	4.50	9.50	4.80	17.20
2x20Pin	26.00	24.50	9.50	14.50	9.80	22.20
2x30Pin	31.00	29.50	14.50	19.50	14.80	27.20
2x40Pin	36.00	34.50	19.50	24.50	19.80	32.20
2x50Pin	41.00	39.50	24.50	29.50	24.80	37.20
2x60Pin	46.00	44.50	29.50	34.50	29.80	42.20

Recommended P.C.Board
Layout

(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC203-A001	18.0-20.0mm	11
GGAC203-A002	13.0-15.0mm	12
GGAC203-A003	9.5-11.0mm	13

Ordering Information

CGAC203 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A002 C **1**

Color

Black

X **H**

Standard Packing

Acetate Tape+Tape&Reel

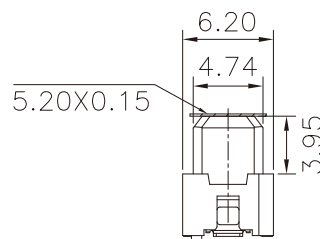
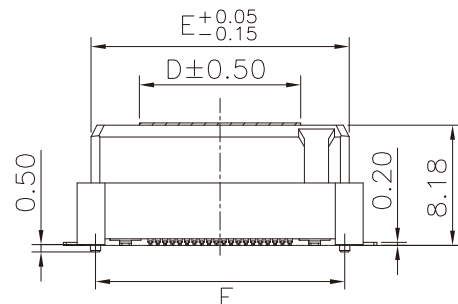
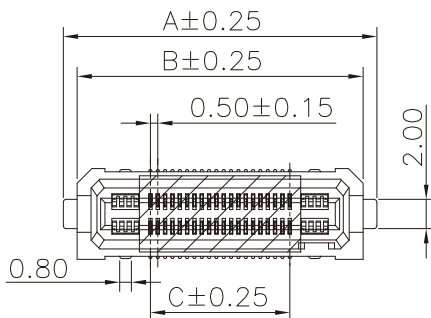
B001 SERIES 8Gbps FIXED SIDE S.M.T.

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 6Amp / pin
Contact Resistance : 80 mΩ Max.
Dielectric Withstanding Voltage : 200VAC
Insulation Resistance : 100 MΩ Min.
Operating Temperature : -40 °C to +105 °C

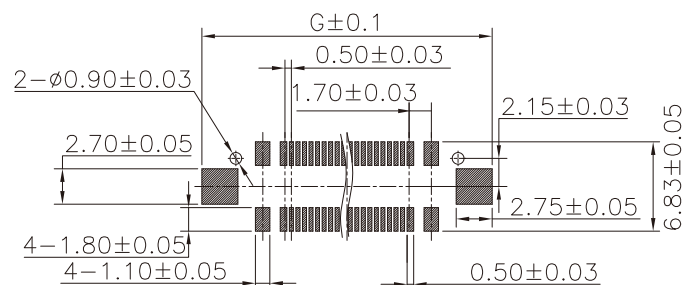


DIMENSIONAL DRAWINGS



No. of PIN/ROW	Dimension Information						
	A	B	C	D	E	F	G
2 X 70	46.40	44.50	34.50	28.50	42.60	42.00	47.20
2 X 60	41.40	39.50	29.50	28.50	37.60	37.00	42.20
2 X 50	36.40	34.50	24.50	28.50	32.60	32.00	37.20
2 X 40	31.40	29.50	19.50	28.50	27.60	27.00	32.20
2 X 30	26.40	24.50	14.50	11.00	22.60	22.00	27.20
2 X 20	21.40	19.50	9.50	11.00	17.60	17.00	22.20
2 X 15	18.90	17.00	7.00	11.00	15.10	14.50	19.70

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC201-B003	19.5-21.0mm	7

Ordering Information

CGAC204 - **XX**

No. of Pins per Row

15 20 30 40 50
60 70

XX

Standard Plating

R9 : 4u" Au / Gold Flash

B001 C **1**

Color

Black

9 **H**

Standard Packing

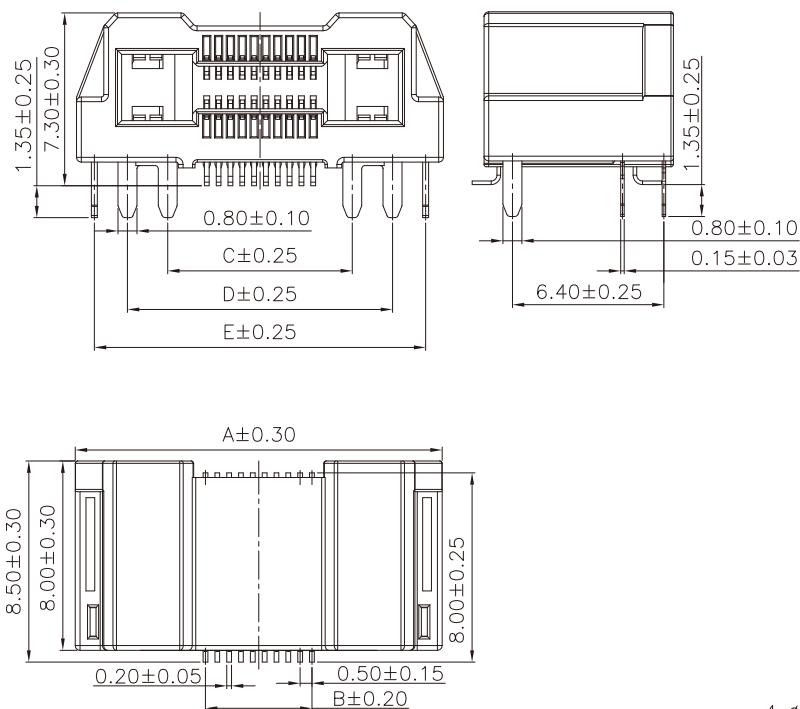
Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : Signal contact: 0.5Amp / pin
Power contact: 3Amp / pin
Contact Resistance : Signal part: 70 mΩ Max.
Power part: 20 mΩ Max.
Dielectric Withstanding Voltage : Signal part: 150VAC
Power part: 600VAC
Insulation Resistance : Signal part: 100 MΩ Min.
Power part: 1000 MΩ Min.
Operating Temperature : -55 °C to +105 °C

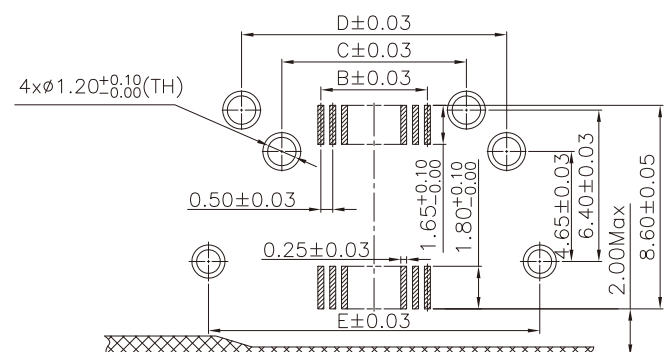


DIMENSIONAL DRAWINGS



No. of contacts	Dimension Information				
	A	B	C	D	E
2x10	15.50	4.50	7.80	11.20	14.00
2x20	20.50	9.50	12.80	16.20	19.00
2x30	25.50	14.50	17.80	21.20	24.00
2x40	30.50	19.50	22.80	26.20	29.00
2x50	35.50	24.50	27.80	31.20	34.00
2x60	40.50	29.50	32.80	36.20	39.00

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGAC203-A001	21.4-22.3mm	11
GGAC203-A002	16.3-17.2mm	12
GGAC203-A003	12.1-13.1mm	13

Ordering Information

CGAD201 - **XX**

No. of Pins per Row

10 **20** **30** **40** **50**
60

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

A001 X **1**

Color

Black

X **D**

Standard Packing

Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

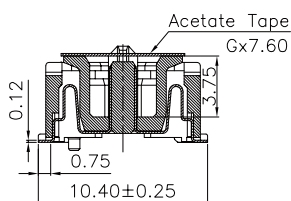
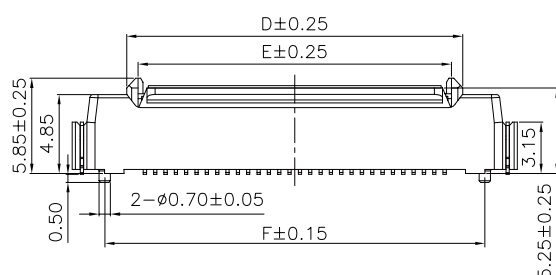
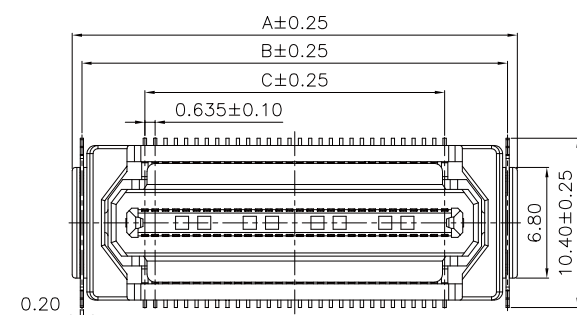
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C



DIMENSIONAL DRAWINGS



No. of PIN/ROW	Dimension Information						
	A	B	C	D	E	F	G
2x30	27.35	26.15	18.415	20.65	19.25	23.35	18.00
2x40	33.70	32.50	24.765	27.00	25.60	29.70	24.35

Mates with

Serial No.	Mating Height	Page
CGZC201	5.8-7.3mm	19
CGZC202	9.5-11.0mm	20
CGZC203	14.5-16.0mm	21

Ordering Information

GGZC201 - **XX**

No. of Pins per Row

30 40

XX

Standard Plating

02 : Gold Flash

09 : 3u" ~5u"Au / Gold Flash

N5 : 6u" ~8u"AU/1u"AU

B001 C **1**

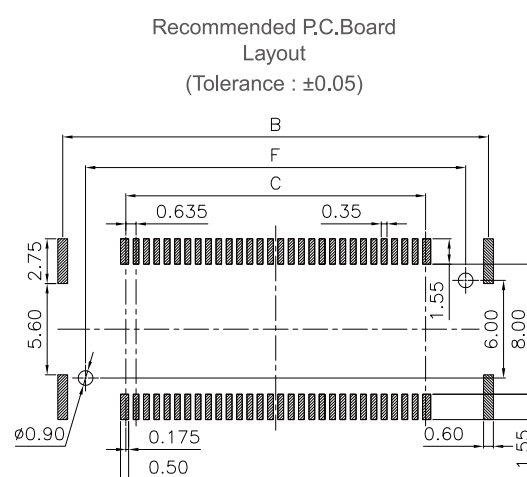
Color

Black

S **H**

Standard Packing

Acetate Tape+Tape&Reel



PRODUCT SPECIFICATIONS

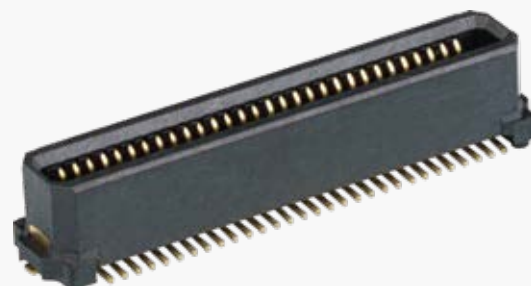
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

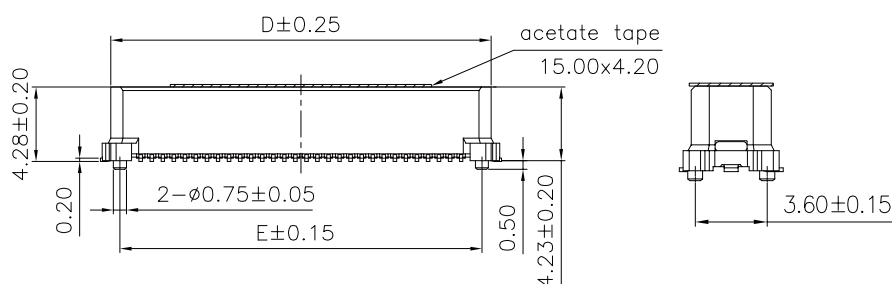
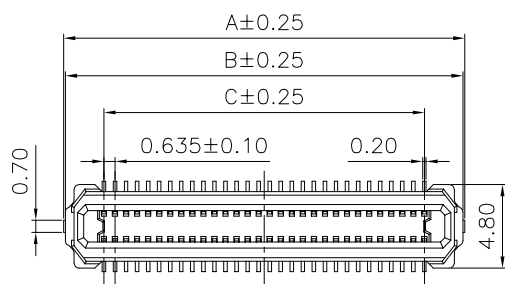
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C



DIMENSIONAL DRAWINGS

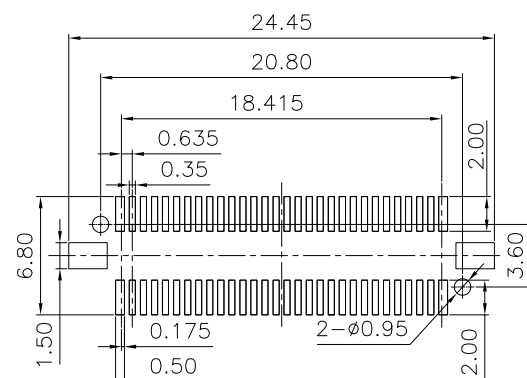


No. of PIN/ROW	Dimension Information				
	A	B	C	D	E
2x30	23.05	22.85	18.42	21.85	20.80
2x40	29.40	29.20	24.77	28.20	27.15

Mates with

Serial No.	Mating Height	Page
GGZC201	5.8-7.3mm	18

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Ordering Information

CGZC201 - **XX**

No. of Pins per Row

30 **40**

XX

Standard Plating

02 : Gold Flash

09 : 3u"Au / Gold Flash

B001 C **1**

Color

Black

S **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

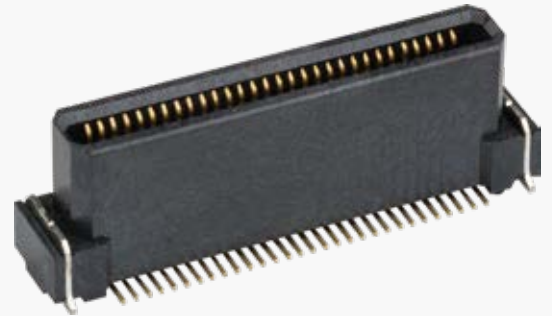
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

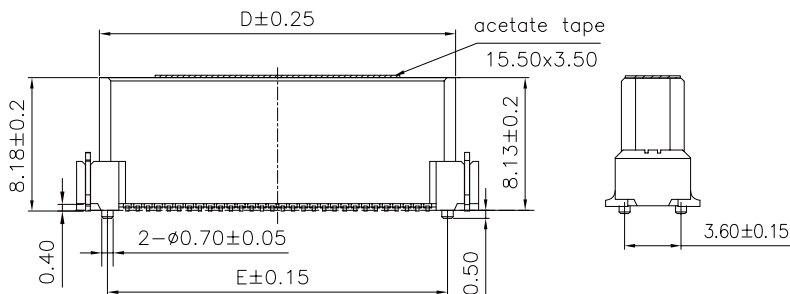
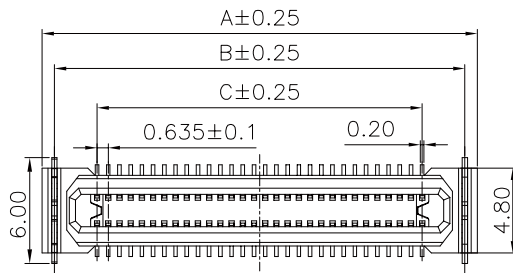
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C



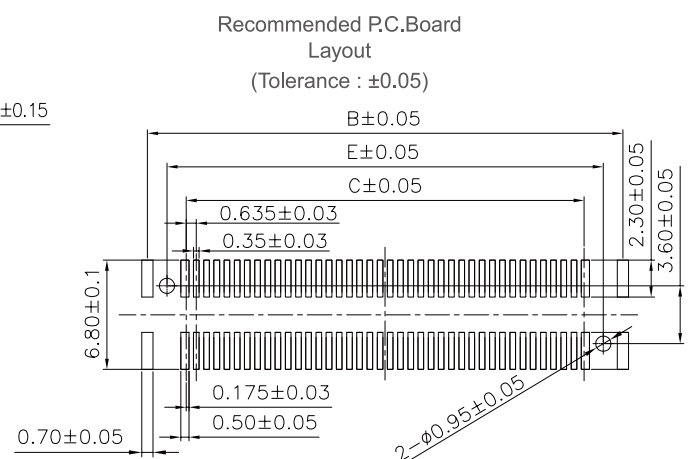
DIMENSIONAL DRAWINGS



No. of PIN/ROW	Dimension Information				
	A	B	C	D	E
2x30	24.65	23.25	18.42	21.85	20.80
2x40	31.00	29.60	24.77	28.20	27.15

Mates with

Serial No.	Mating Height	Page
GGZC201	9.5-11.0mm	18



Ordering Information

CGZC202 - **XX**

No. of Pins per Row

30 **40**

XX

Standard Plating

02 : Gold Flash

09/N5 : Au plating

B001 C **1**

Color

Black

A **H**

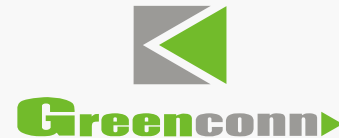
Standard Packing

Acetate Tape+Tape&Reel

0.635 mm
CGZC203
SERIES

FIXED SIDE

S.M.T.



PRODUCT SPECIFICATIONS

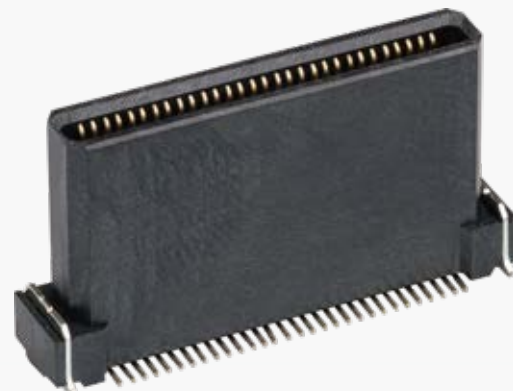
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

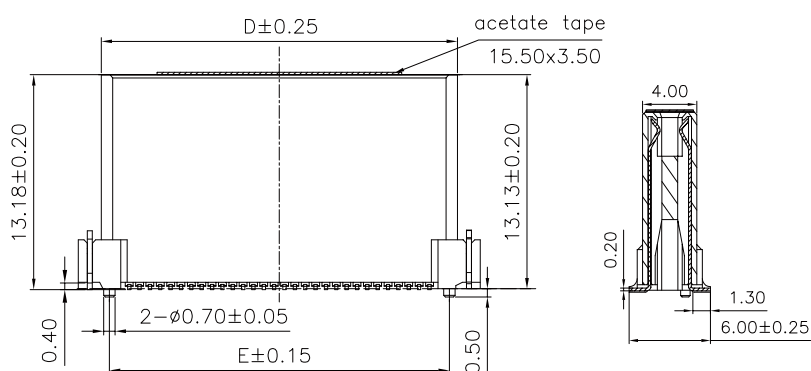
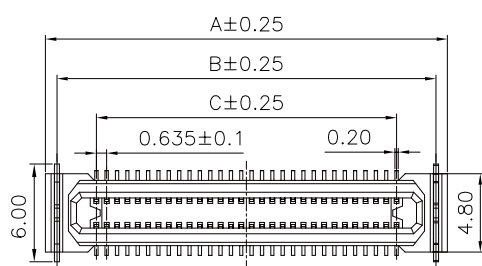
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C

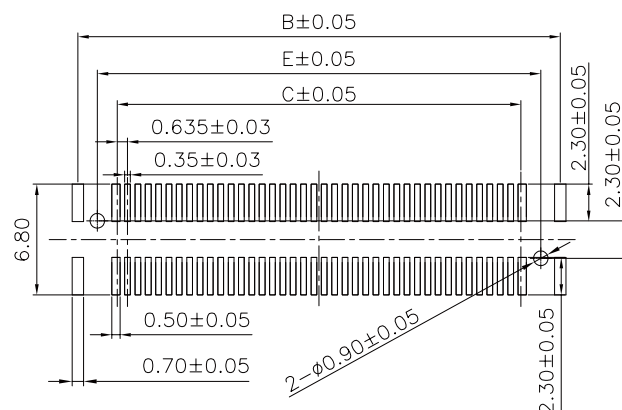


DIMENSIONAL DRAWINGS



No. of PIN/ROW	Dimension Information				
	A	B	C	D	E
2x30	24.65	23.25	18.42	21.85	20.85
2x40	31.00	29.60	24.77	28.20	27.20

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGZC201	14.5-16.0mm	18

Ordering Information

CGZC203 - XX

No. of Pins per Row

30 40

XX

Standard Plating

02 : Gold Flash

09/N5 : Au plating

B001 C 1

Color

Black

A H

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

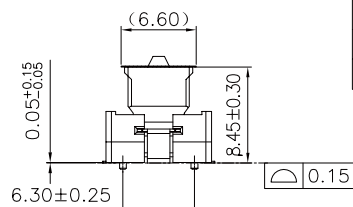
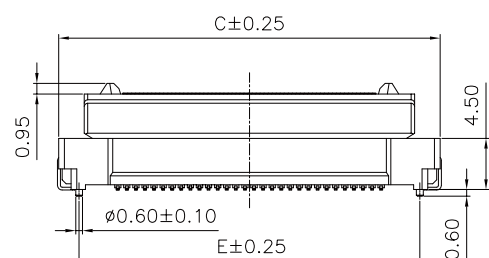
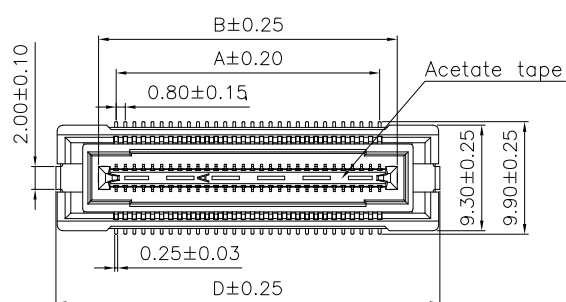
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C

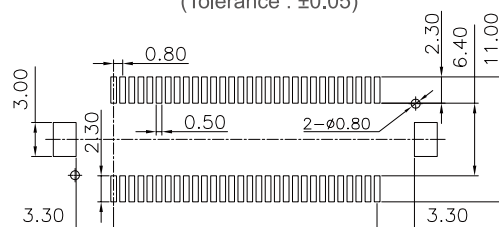


DIMENSIONAL DRAWINGS



Pin NO.	A	B	C	D	E
2x30	23.20	26.30	33.60	33.80	30.00
2x40	31.20	34.30	41.60	41.80	38.00

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CGBC201-B001	12.25-13.75mm	23
CGBC201-B003	11.25-12.75mm	24
CGBC203	24.2-25.7mm	26

Ordering Information

GGBC201 - **XX**

No. of Pins per Row

30 **40**

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

B001 C **1**

Color

Black

N **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

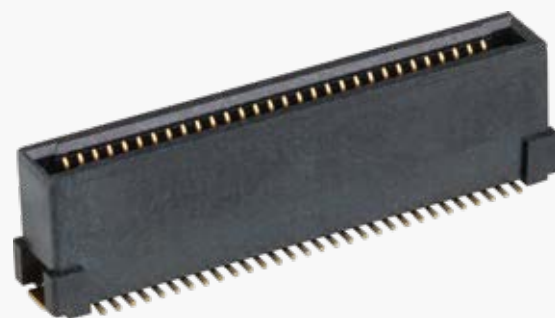
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

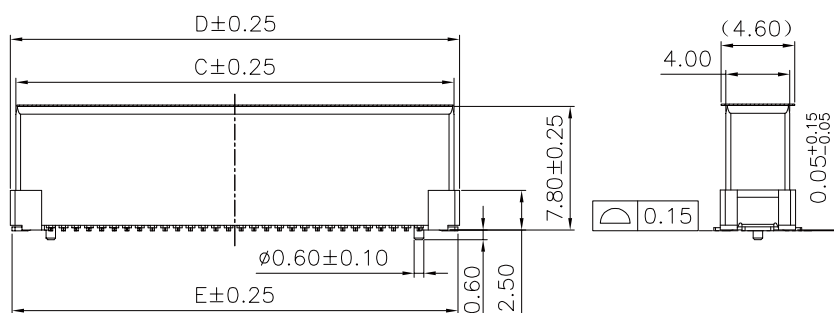
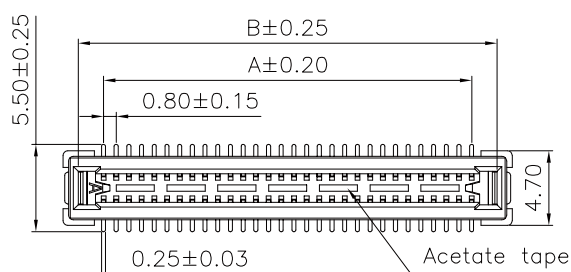
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C



DIMENSIONAL DRAWINGS

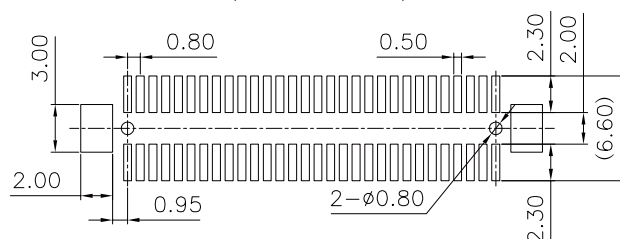


No. of PIN/ROW	Dimension Information				
	A	B	C	D	E
2x30	23.20	26.40	27.60	28.30	28.10
2x40	31.20	34.40	35.60	36.30	36.10

Mates with

Serial No.	Mating Height	Page
GGBC201	12.25-13.75mm	22
GGBC203	8.5-10.0mm	25

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Ordering Information

CGBC201 - **XX**

No. of Pins per Row

30 **40**

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

B001 C **1**

Color

Black

N **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

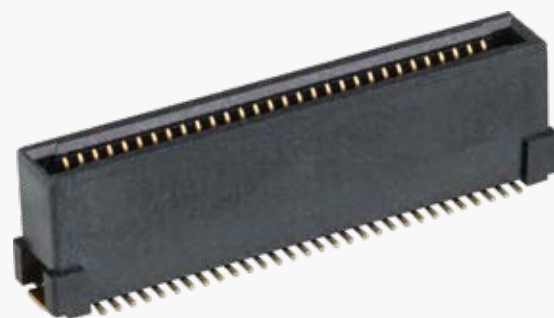
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

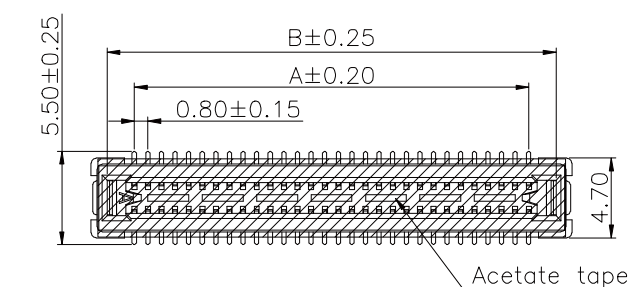
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

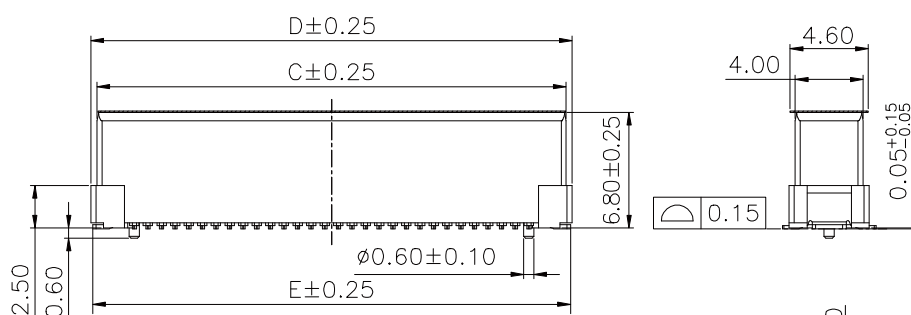
Operating Temperature : -40 °C to +105 °C



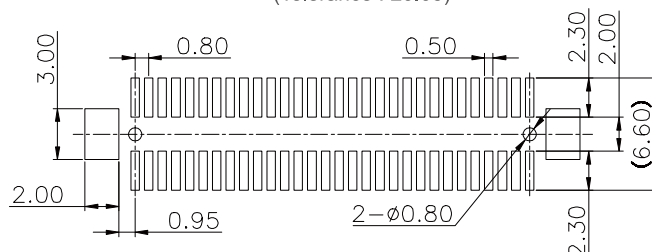
DIMENSIONAL DRAWINGS



Pin NO.	A	B	C	D	E
2x30	23.20	26.40	27.60	28.30	28.10
2x40	31.20	34.40	35.60	36.30	36.10



Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGBC201	11.25-12.75mm	22
GGBC203	7.5-9.0mm	25

Ordering Information

CGBC201 - **XX**

No. of Pins per Row

30 **40**

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

B001 C **1**

Color

Black

N **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

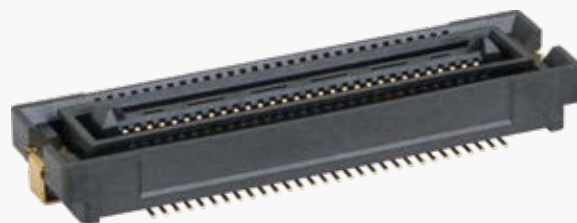
Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

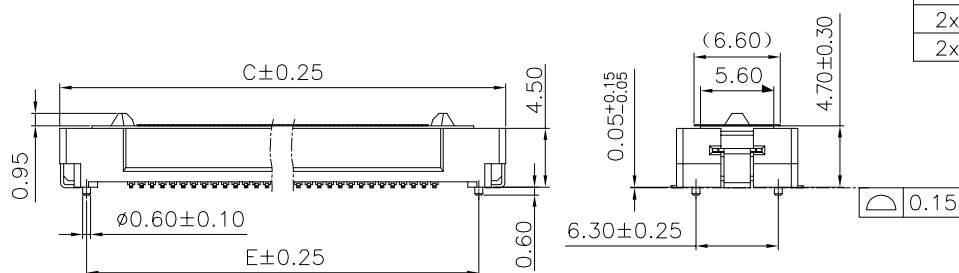
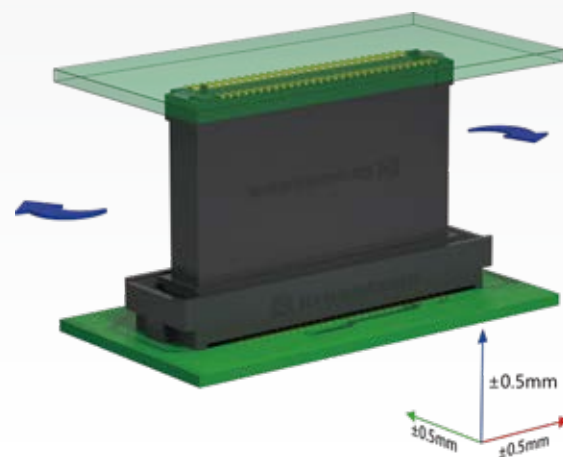
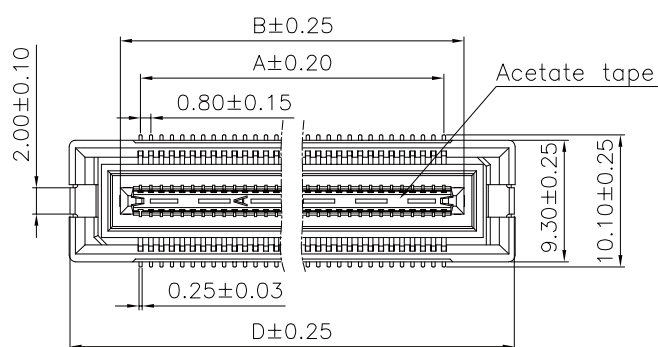
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C

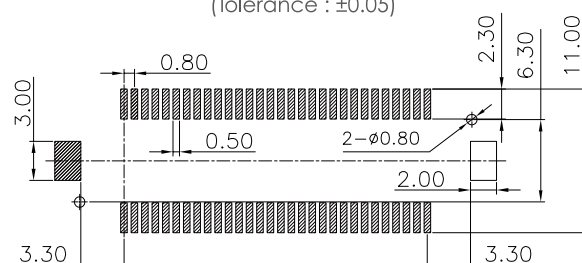


DIMENSIONAL DRAWINGS



Pin NO.	A	B	C	D	E
2x30	23.20	26.30	34.10	34.00	30.00
2x40	31.20	34.30	42.10	42.00	38.00
2x50	39.20	42.30	50.10	50.00	46.00

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
CGBC201-B001	8.5-10.0mm	23
CGBC201-B003	7.5-9.0mm	24
CGBC203	20.45-21.9mm	26

Ordering Information

GGBC203-**XX**

No. of Pins per Row

30 **40** **50**

XX

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

B001 C **1**

Color

Black

A **H**

Standard Packing

Acetate Tape+Tape&Reel

PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

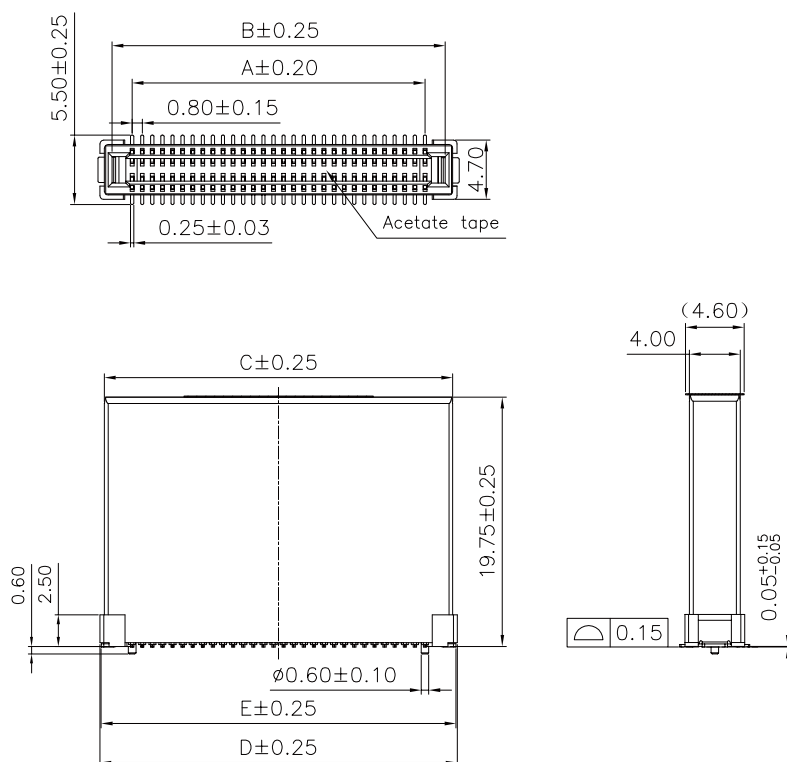
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

Operating Temperature : -40 °C to +105 °C

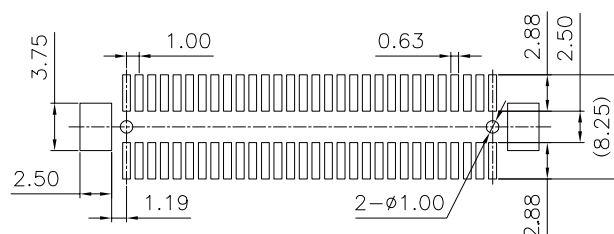


DIMENSIONAL DRAWINGS



Pin NO.	A	B	C	D	E
2x30	23.20	26.40	27.60	28.30	28.10
2x40	31.20	34.40	35.60	36.30	36.10
2x50	39.20	42.40	43.60	44.30	44.10

Recommended P.C.Board
Layout
(Tolerance : ±0.05)



Mates with

Serial No.	Mating Height	Page
GGBC201	24.2-25.7mm	22
GGBC203	20.45-21.95mm	25

Ordering Information

CGBC203 -

No. of Pins per Row

Standard Plating

: Gold Flash

Selective Plating

: 3u" Au / Gold Flash

B001 C

Color

Black

N

Standard Packing

Acetate Tape+Tape&Reel

| Selection

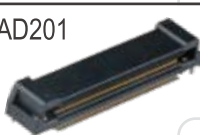
PITCH 0.50 mm

FLOATING SIDE SMT	FIXED SIDE SMT	HEIGHT RANGE (mm)	FLOATING TOLERANCE
GBAC229  p.4	CBAC229  p.5	7.2-9.4mm	X-axis±0.5mm Y-axis±0.5mm
GGAC201-B001  p.6	CGAC201-B001  p.8	29.5-31.0mm	
	CGAC201-B002  p.9	17.5-19.0mm	
	CGAC201-B003  p.10	24.5-26.0mm	
GGAC201-B003  p.7	CGAC204  p.16	19.5-21.0mm	X-axis±0.5mm Y-axis±0.5mm
GGAC203-A001  p.11	CGAC203-A001  p.14	19.5-21.0mm	X-axis±0.6mm Y-axis±0.6mm
	CGAD201  p.17	21.4-22.3mm	
GGAC203-A002  p.12	CGAC203-A001  p.14	14.5-16.0mm	X-axis±0.6mm Y-axis±0.6mm
	CGAD201  p.17	16.3-17.2mm	
CGAC203-A002  p.15	GGAC203-A003  p.13	9.5-11.0mm	X-axis±0.6mm Y-axis±0.6mm



| Selection

PITCH 0.50 mm

FLOATING SIDE SMT	FLOATING SIDE SMT	HEIGHT RANGE (mm)	FLOATING TOLERANCE
 p.15	GGAC203-A001  p.11	18.0-20.0mm	X-axis±1.2mm Y-axis±1.2mm
	GGAC203-A002  p.12	13.0-15.0mm	X-axis±1.2mm Y-axis±1.2mm
FIXED SIDE SMT	FIXED SIDE SMT	HEIGHT RANGE (mm)	
 p.13	CGAC203-A001  p.14	11.0-12.0mm	
	CGAD201  p.17	12.1-13.0mm	

PITCH 0.635 mm

FLOATING SIDE SMT	FIXED SIDE SMT	HEIGHT RANGE (mm)	FLOATING TOLERANCE
 p.18	CGZC201  p.19	5.8-7.3mm	X-axis±0.7mm Y-axis±0.7mm
	CGZC202  p.20	9.5-11.0mm	
	CGZC203  p.21	14.5-16.0mm	



| Selection

PITCH 0.80 mm

FLOATING SIDE SMT	FIXED SIDE SMT	HEIGHT RANGE (mm)	FLOATING TOLERANCE
 p.22	CGBC201-B001  p.23	12.25-13.75mm	X-axis±0.8mm Y-axis±0.8mm
	CGBC201-B003  p.24	11.25-12.75mm	
	CGBC203  p.26	24.20-25.70mm	
 p.25	CGBC201-B001  p.23	8.50-10.00mm	X-axis±0.5mm Y-axis±0.5mm
	CGBC201-B003  p.24	7.50-9.00mm	
	CGBC203  p.26	20.45-21.95mm	



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