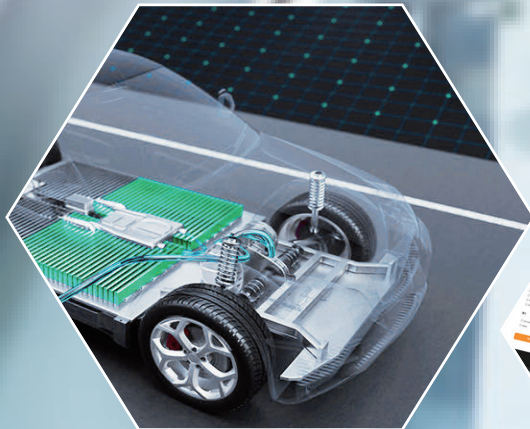


3AXIS

Floating Displacement
X / Y / Z Axis

Floating Board-to-Board Connectors

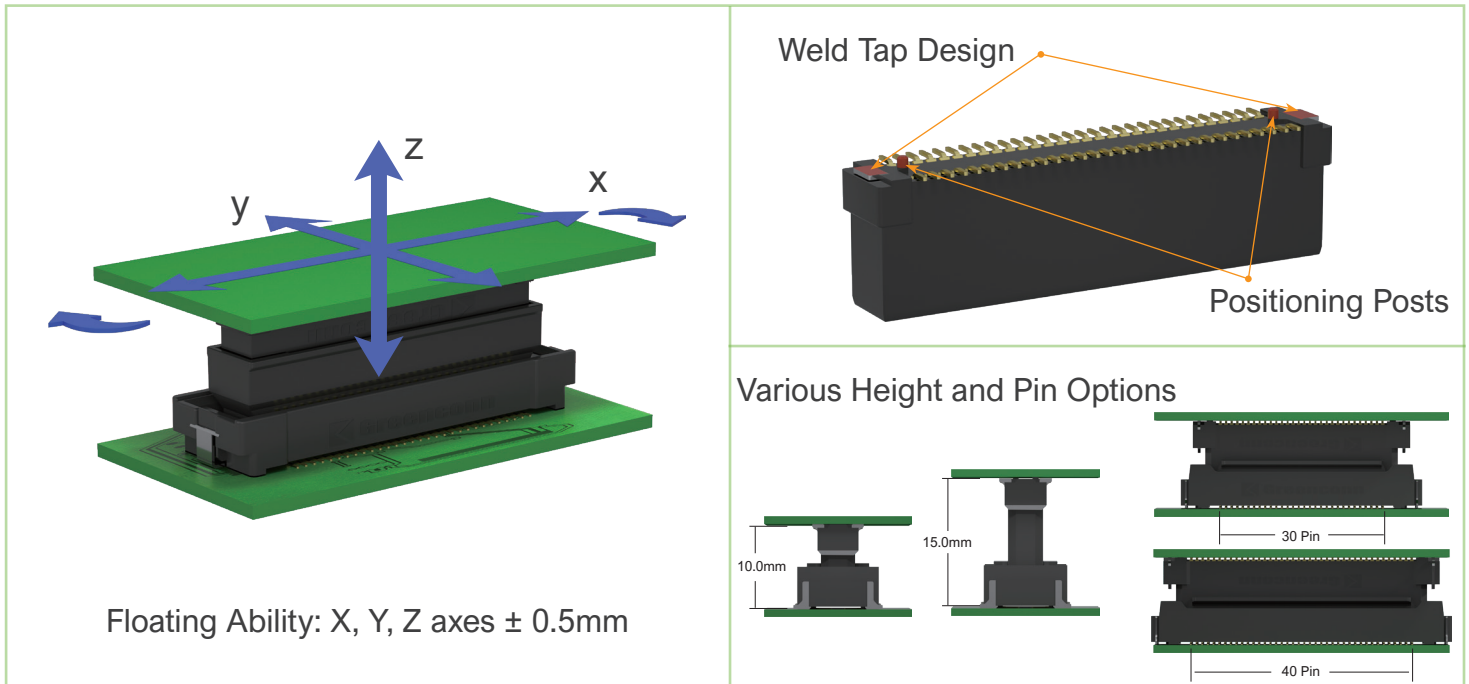


CONTENT

	CHARACTERISTICS	1
	SPECS	2
	SELECTION	3
<hr/>		
0.50mm	GBAC229 SERIES	4
	CBAC229 SERIES	5
	GGAC201 SERIES	6
	CGAC201 SERIES	7
<hr/>		
0.635mm	GGZC201 SERIES	8
	CGZC201 SERIES	9
	CGZC202 SERIES	10
	CGZC203 SERIES	11
<hr/>		
0.80mm	GGBC201 SERIES	12
	CGBC201 SERIES	13
	GGBC203 SERIES	14
	CGBC203 SERIES	15



| 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:

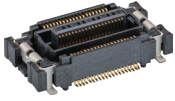




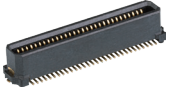
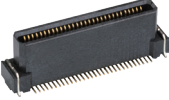
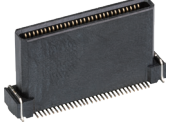

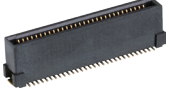
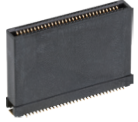
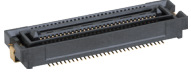
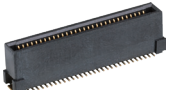

- X and Y axes have a certain distance of movement in the axial direction
- Weld tap design to strengthen the welded connection
- Positioning posts to prevent misalignment when soldering onto PCB boards
- Various height and pitch combinations to choose from
- Available in Tape Reel packaging for automation

| Floating Connector Material:

- Insulation Material: LCP
- Contact Material: copper alloy
- Electroplating Layer: bottom layer-nickel, surface layer-gold or tin

Items	Specs			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	ΔT ≤ 30°C			EIA-364-70
Mechanical Vibration	Instant Rupture <1μs			EIA-364-28: Test conditions according to product specifications
Mechanical Shock	Instant Rupture <1μs			EIA-364-27: Test conditions according to product specifications
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

| Selection

PITCH (mm)	FLOATING SIDE SMT	FIXED SIDE SMT	HEIGHT ABILITY (mm)	VARIOUS FLOATING
0.50	 GBAC229	 CBAC229	7.65-9.4mm	X-axis±0.5mm Y-axis±0.5mm Z-axis±0.5mm
	 GGAC201	 CGAC201	30.0-31.0mm	
0.635	 GGZC201	 CGZC201	6.3-7.3mm	X-axis±0.7mm Y-axis±0.7mm Z-axis±0.5mm
		 CGZC202	10.0-11.0mm	
		 CGZC203	15.0-16.0mm	
0.80	 GGBC201	 CGBC201	12.75-13.75mm	X-axis±0.8mm Y-axis±0.8mm Z-axis±0.5mm
		 CGBC203	9.0-10.0mm	
	 GGBC203	 CGBC201	24.7-25.7mm	X-axis±0.5mm Y-axis±0.5mm Z-axis±0.5mm
		 CGBC203	20.95-21.95mm	

GBAC229

SERIES

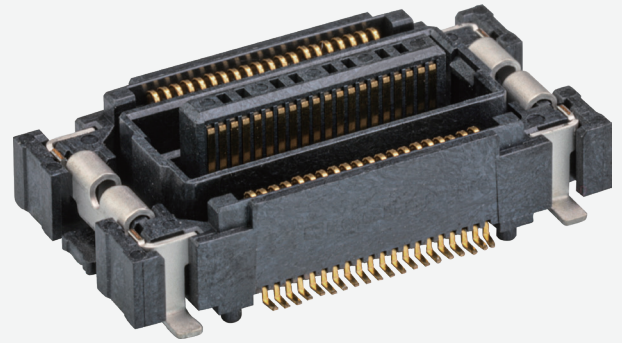
S.M.T.

FLOATING SIDE

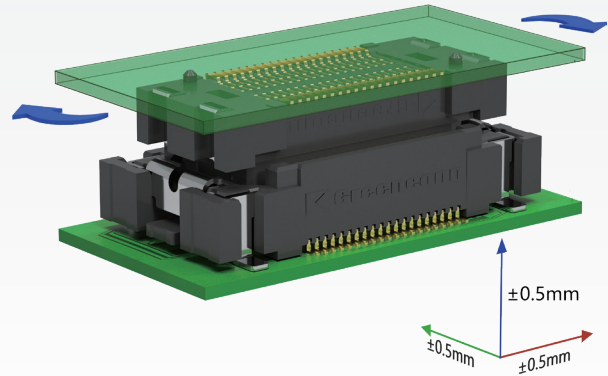
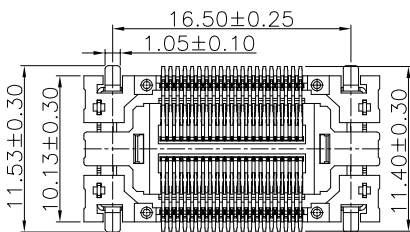
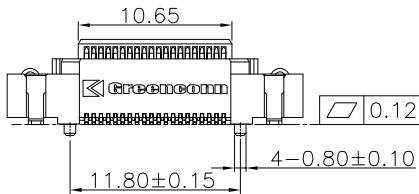
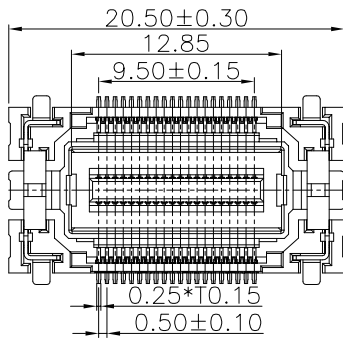


PRODUCT SPECIFICATIONS

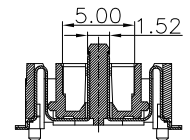
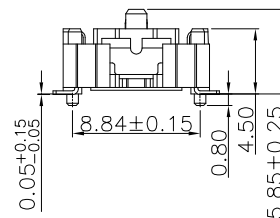
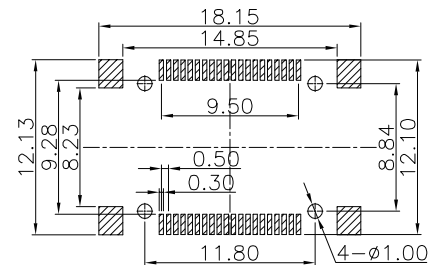
- Current Rating : 0.4 Amp / Pin
- Contact Resistance : 100 mΩ Max.
- Dielectric Withstanding Voltage : 250 VAC / 60S
- Insulation Resistance : 500 MΩ Min.
- Operating Temperature : -40°C to +105°C
- Mates with: CBAC229 (M/H 7.65-9.4mm)



DIMENSIONAL DRAWINGS



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



Ordering Information

GBAC229 -

No. of Pins per Row

Standard Plating

: Gold Flash

B001C

Color

N

Standard Packing

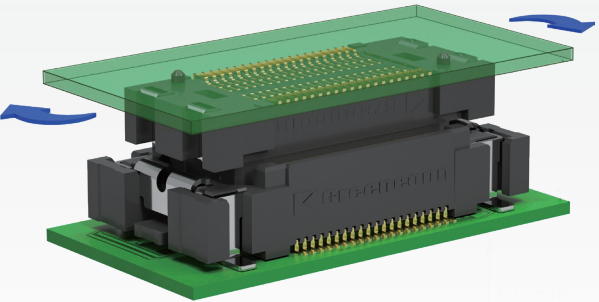
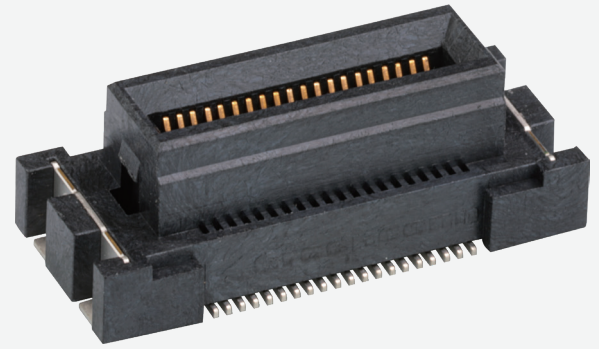
: Black : Cap + Tape&Reel

CBAC229

SERIES

S.M.T.

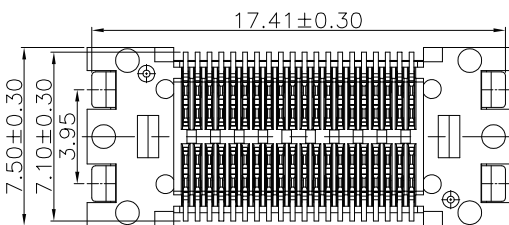
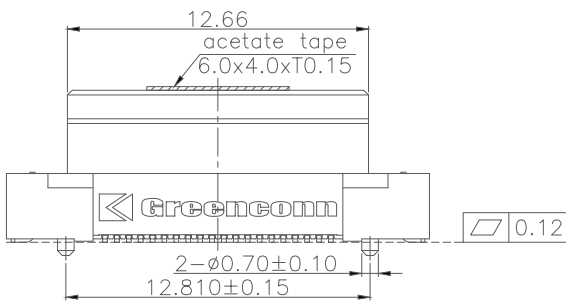
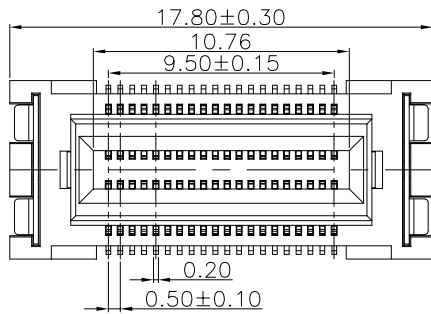
FIXED SIDE



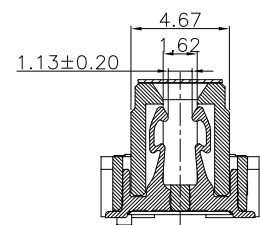
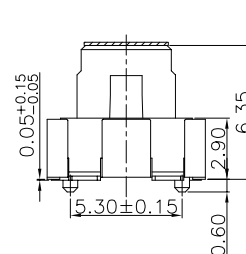
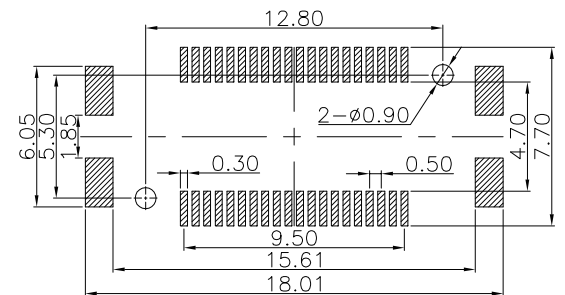
PRODUCT SPECIFICATIONS

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
 Mates with: GBAC229 (M/H 7.65-9.4mm)

DIMENSIONAL DRAWINGS



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



Ordering Information

CBAC229 -

No. of Pins per Row

Standard Plating

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

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

B001C

Color

: Black

N

Standard Packing

: Acetate Tape+Tape&Reel

GGAC201

SERIES

S.M.T.

FLOATING SIDE

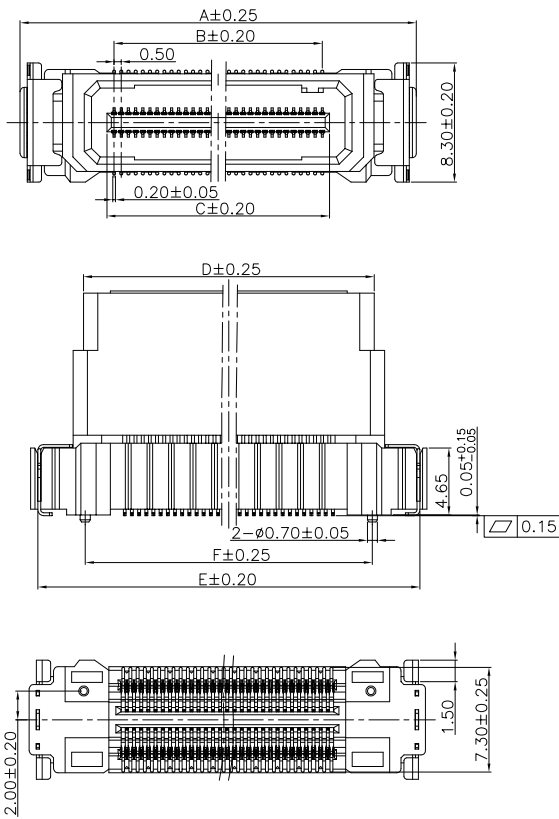


PRODUCT SPECIFICATIONS

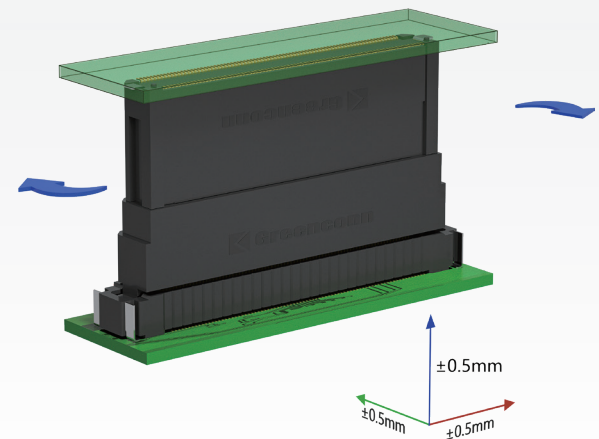
- Current Rating : 0.4 Amp / Pin
- Contact Resistance : 100 mΩ Max.
- Dielectric Withstanding Voltage : 250 VAC
- Insulation Resistance : 500 MΩ Min.
- Operating Temperature : -40°C to +105°C
- Mates with: CGAC201 (M/H 30.0-31.0mm)



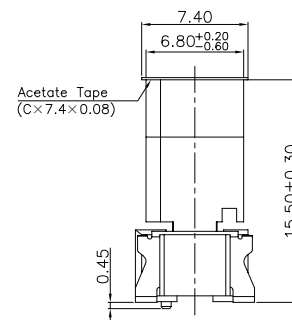
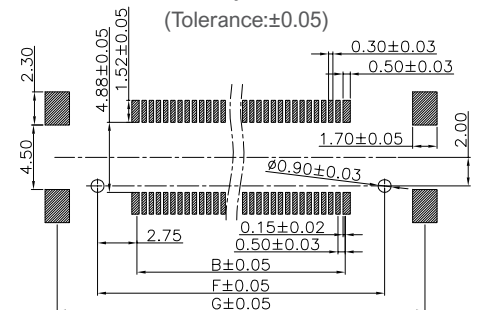
DIMENSIONAL DRAWINGS



PN# / 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)



Ordering Information

GGAC201 -

No. of Pins per Row

- 20 30 40 50 60
 70 80

Standard Plating

: Gold Flash

B001C

Color

: Black

9

Standard Packing

: Acetate Tape+Tape&Reel

CGAC201

SERIES

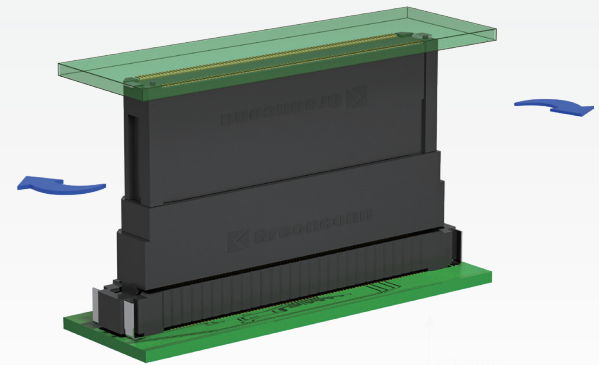
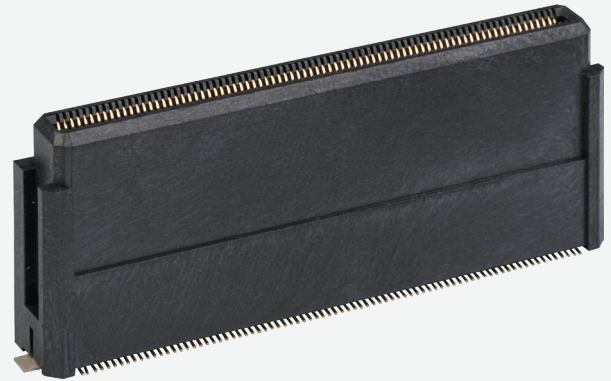
S.M.T.

FIXED SIDE

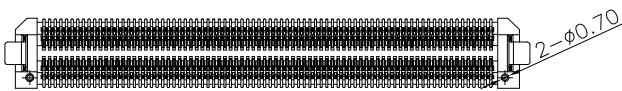
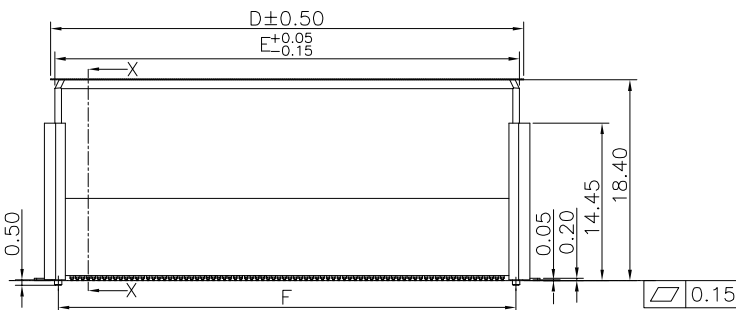
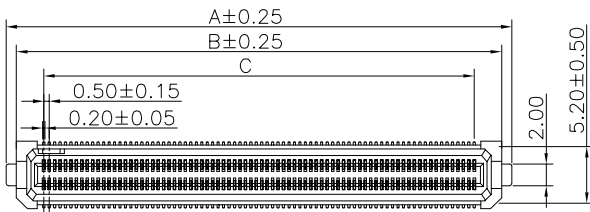


PRODUCT SPECIFICATIONS

- 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
- Mates with: GGAC201 (M/H 30.0-31.0mm)

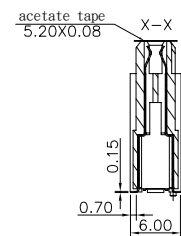
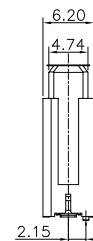
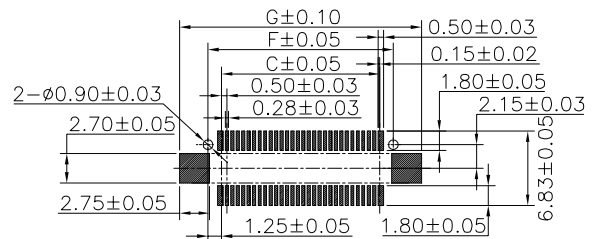


DIMENSIONAL DRAWINGS



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
No. of PIN/ROW	A	B	C	D	E	F	G
Dimension Information							

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



Ordering Information

CGAC201 -

No. of Pins per Row

Standard Plating

: Gold Flash

B001C

Color

: Black

9

Standard Packing

: Acetate Tape+Tape&Reel

GGZC201

SERIES

S.M.T.

FLOATING SIDE



PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

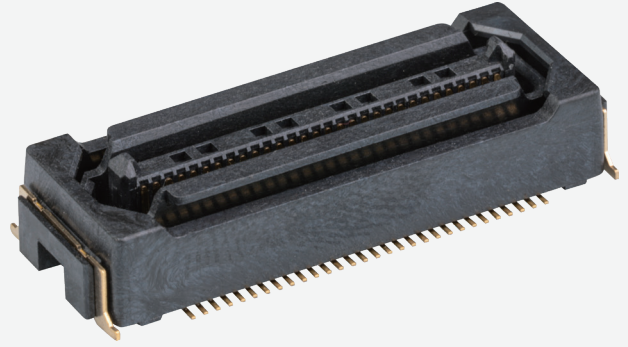
Contact Resistance : 100 mΩ Max.

Dielectric Withstanding Voltage : 250 VAC

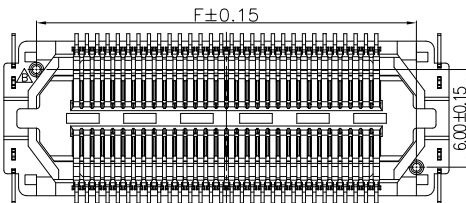
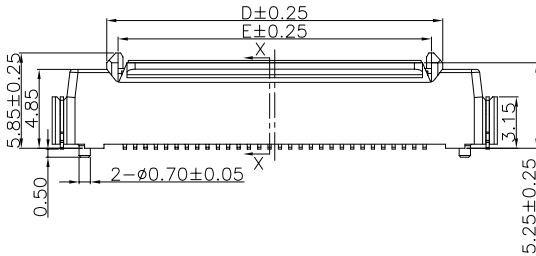
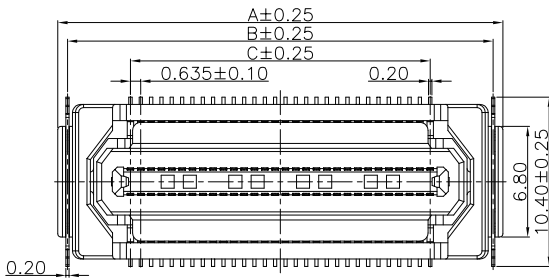
Insulation Resistance : 500 MΩ Min.

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

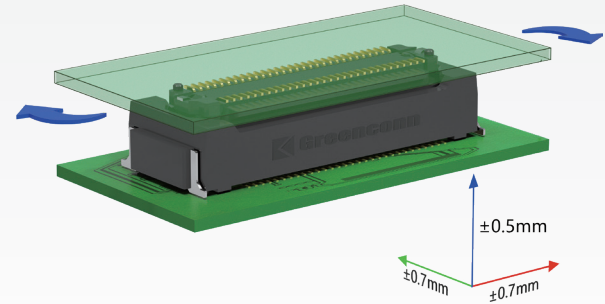
Mates with: CGZC201 (M/H 6.3-7.3mm), CGZC202 (M/H 10.0-11.0mm),
CGZC203 (M/H 15.0-16.0mm)



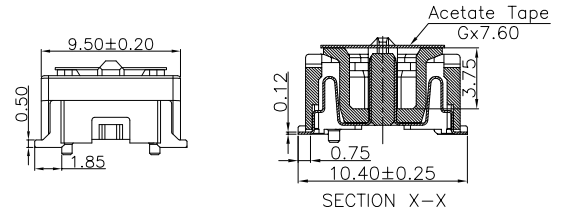
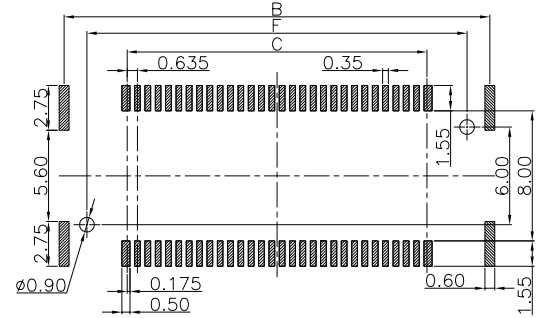
DIMENSIONAL DRAWINGS



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



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



Ordering Information

GGZC201 -

No. of Pins per Row

Standard Plating

- : Gold Flash
- : 3u" ~5u"Au / Gold Flash
- : 6u" ~8u"AU/1u"AU

B001C

Color

: Black

S

Standard Packing

: Acetate Tape+Tape&Reel

CGZC201

SERIES

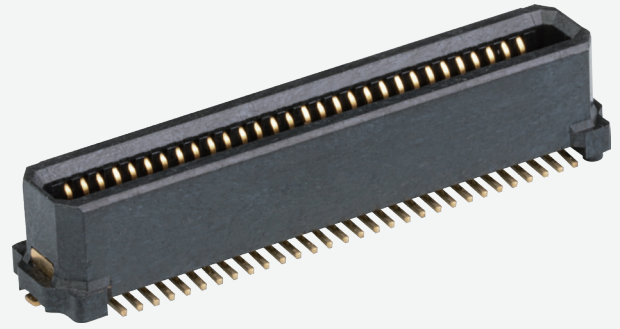
S.M.T.

FIXED SIDE

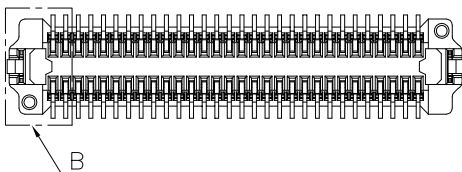
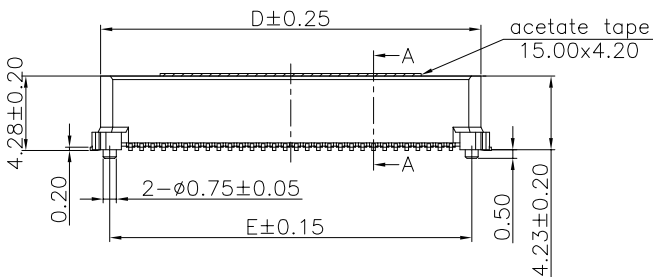
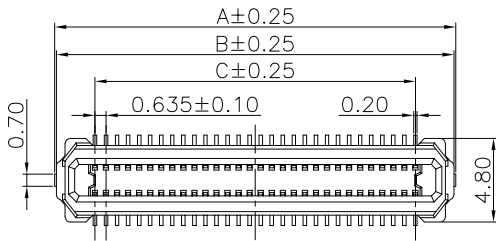


PRODUCT SPECIFICATIONS

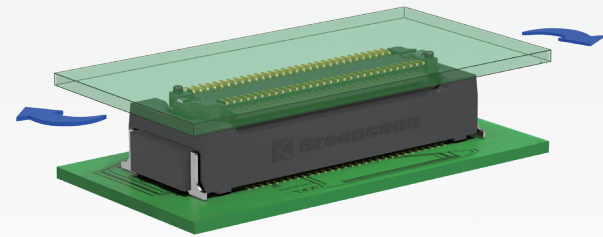
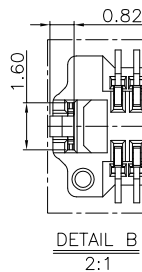
Current Rating : 0.5 Amp / Pin
 Contact Resistance : 100 mΩ Max.
 Dielectric Withstanding Voltage : 250 VAC
 Insulation Resistance : 500 MΩ Min.
 Operating Temperature : -40°C to +105°C
 Mates with: GGZC201 (M/H 6.3-7.3mm)



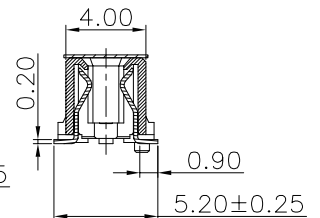
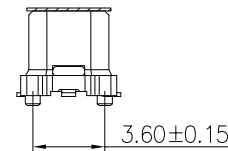
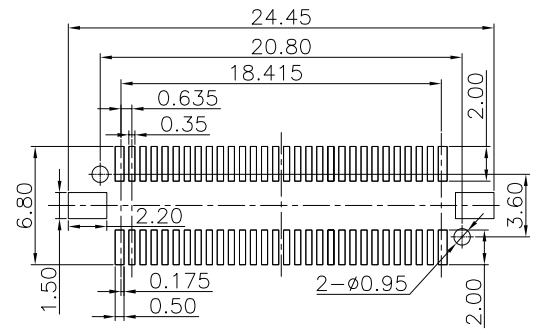
DIMENSIONAL DRAWINGS



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



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



Ordering Information

CGZC201 -

No. of Pins per Row

Standard Plating

: Gold Flash

: 3u" Au / Gold Flash

B001C

Color

: Black

S

Standard Packing

: Acetate Tape+Tape&Reel

CGZC202

SERIES

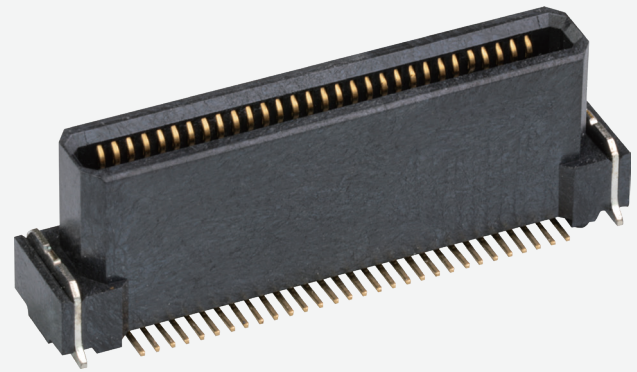
S.M.T.

FIXED SIDE

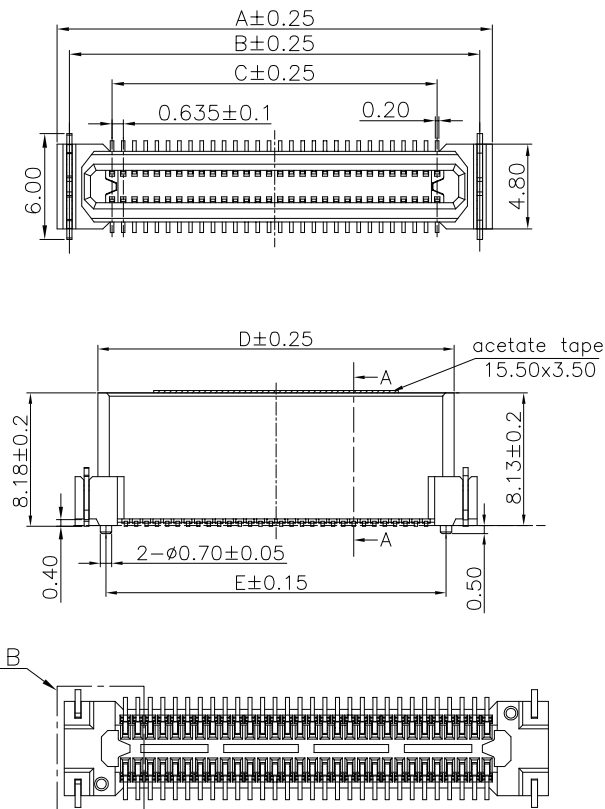


PRODUCT SPECIFICATIONS

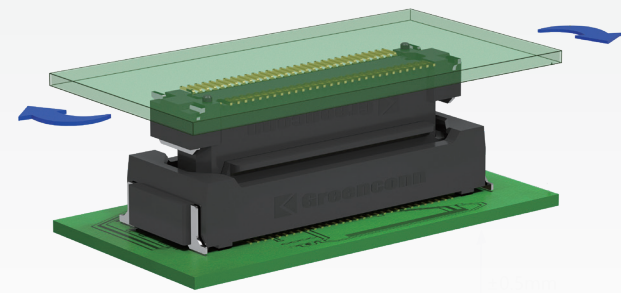
Current Rating : 0.5 Amp / Pin
 Contact Resistance : 100 mΩ Max.
 Dielectric Withstanding Voltage : 250 VAC
 Insulation Resistance : 500 MΩ Min.
 Operating Temperature : -40°C to +105°C
 Mates with: GGZC201 (M/H 10.0-11.0mm)



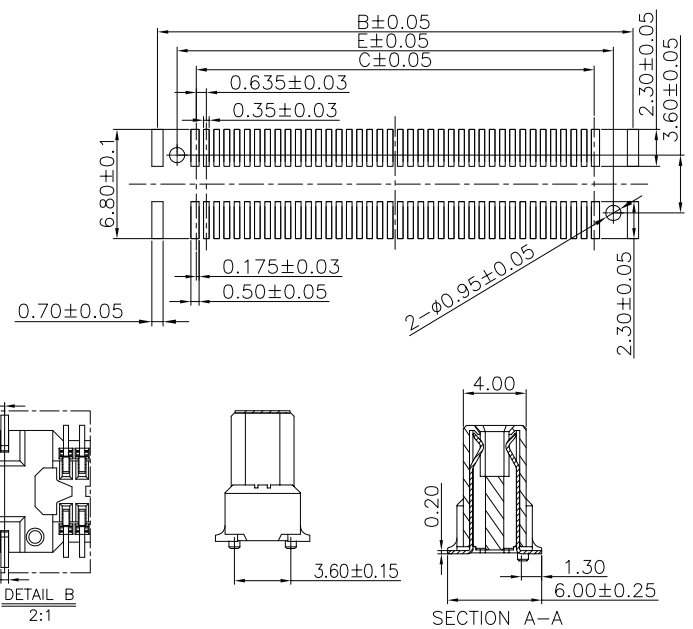
DIMENSIONAL DRAWINGS



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



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



Ordering Information

CGZC202 -

No. of Pins per Row

Standard Plating

: Gold Flash

: Au plating

B001C

Color

: Black

A

Standard Packing

: Acetate Tape+Tape&Reel

CGZC203

SERIES

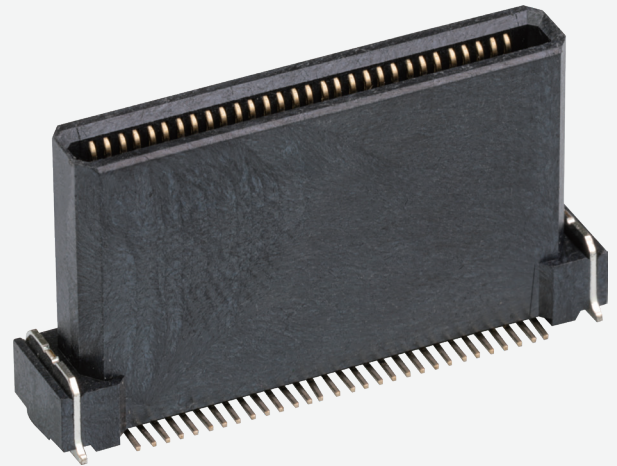
S.M.T.

FIXED SIDE

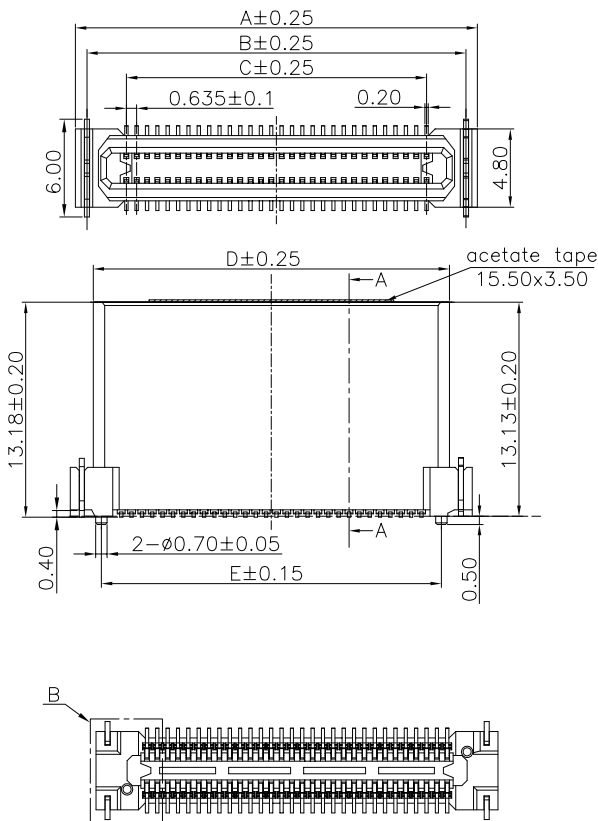


PRODUCT SPECIFICATIONS

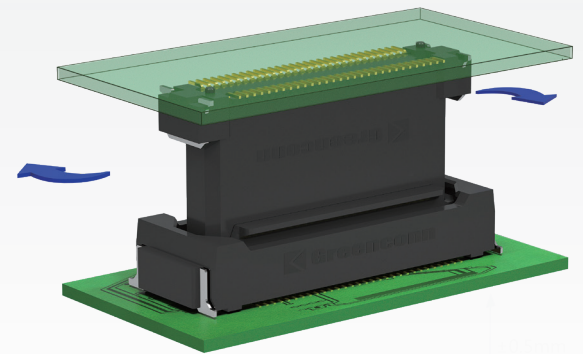
Current Rating : 0.5 Amp / Pin
 Contact Resistance : 100 mΩ Max.
 Dielectric Withstanding Voltage : 250 VAC
 Insulation Resistance : 500 MΩ Min.
 Operating Temperature : -40°C to +105°C
 Mates with: GGZC201 (M/H 15.0-16.0mm)



DIMENSIONAL DRAWINGS

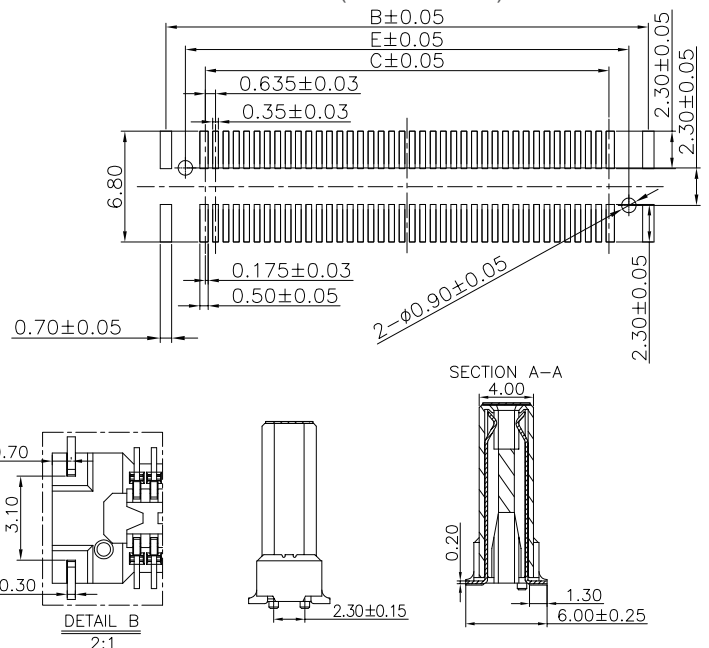


No. of PIN/ROW	Dimension Information				
	A	B	C	D	E
2x30	24.65	23.25	18.42	21.85	20.85
2x40	31.00	29.60	24.77	28.20	27.20



Recommended P.C.Board Layout

(Tolerance:±0.05)



Ordering Information

CGZC203 -

No. of Pins per Row

Standard Plating

: Gold Flash

: Au plating

B001C

Color

: Black

A

Standard Packing

: Acetate Tape+Tape&Reel

GGBC201

SERIES

S.M.T.

FLOATING SIDE



PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

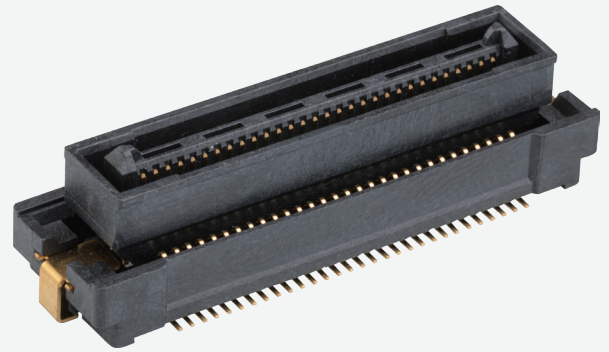
Contact Resistance : 100 mΩ Max.

Dielectric Withstanding Voltage : 250 VAC

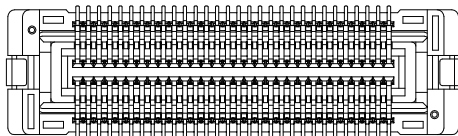
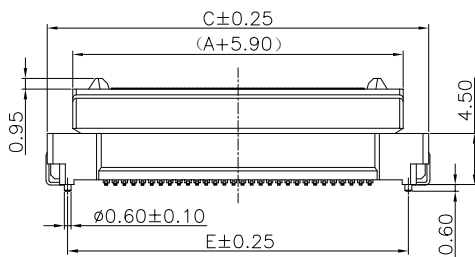
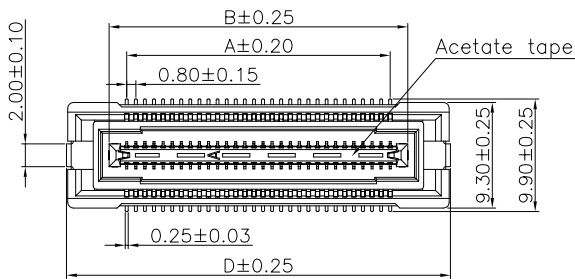
Insulation Resistance : 500 MΩ Min.

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

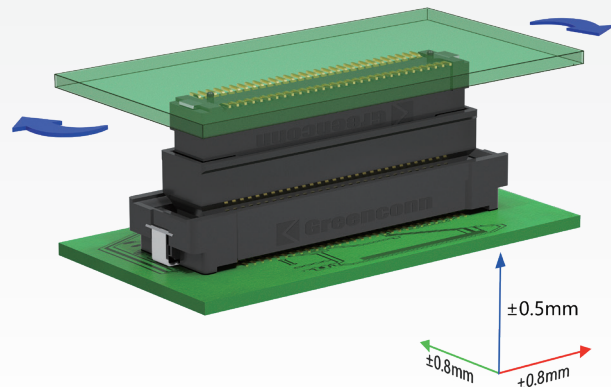
Mates with: CGBC201 (M/H 12.75-13.75mm), CGBC203 (M/H 24.7-25.7mm)



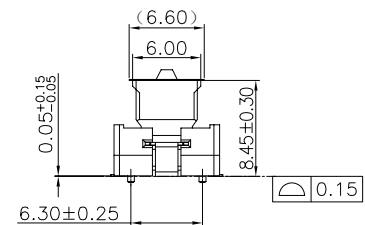
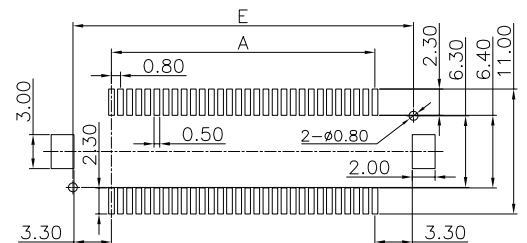
DIMENSIONAL DRAWINGS



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)



Ordering Information

GGBC201-

No. of Pins per Row

Standard Plating

: Gold Flash

Selective Plating

: 3u" Au / Gold Flash

B001C

Color

: Black

N

Standard Packing

: Acetate Tape+Tape&Reel

CGBC201

SERIES

S.M.T.

FIXED SIDE



PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

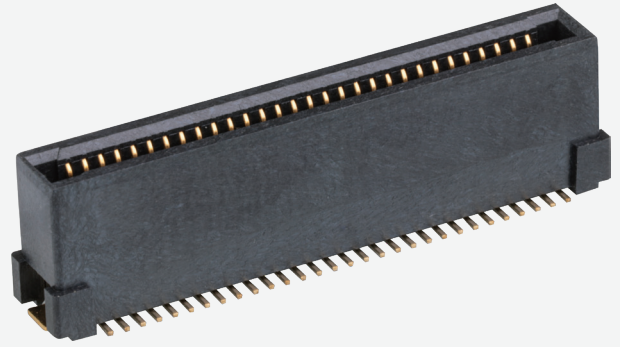
Contact Resistance : 100 mΩ Max.

Dielectric Withstanding Voltage : 250 VAC

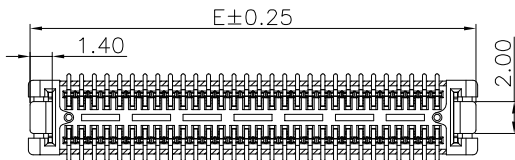
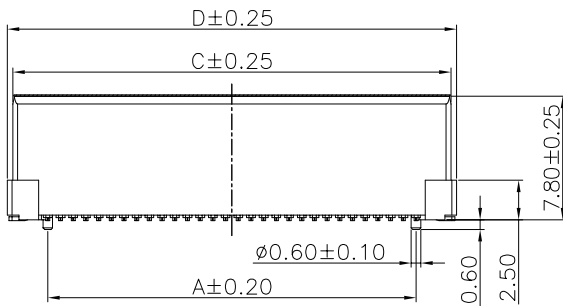
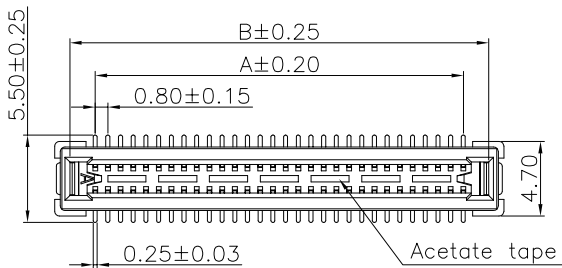
Insulation Resistance : 500 MΩ Min.

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

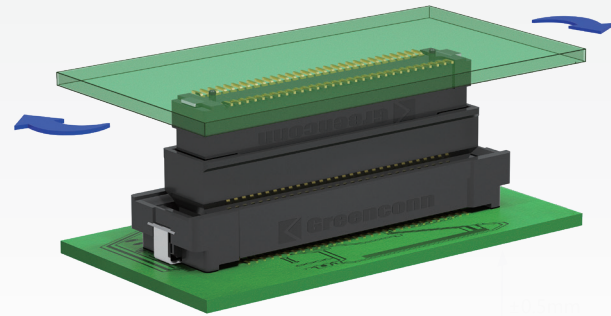
Mates with: GGBC201 (M/H 12.75-13.75mm), GGBC203 (M/H 9.0-10.0mm)



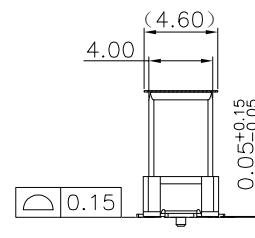
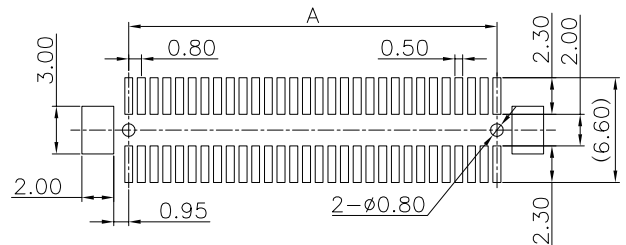
DIMENSIONAL DRAWINGS



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)



Ordering Information

CGBC201 -

No. of Pins per Row

Standard Plating

: Gold Flash

Selective Plating

: 3u" Au / Gold Flash

B001C

Color

: Black

N

Standard Packing

: Acetate Tape+Tape&Reel

GGBC203

SERIES

S.M.T.

FLOATING SIDE



PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

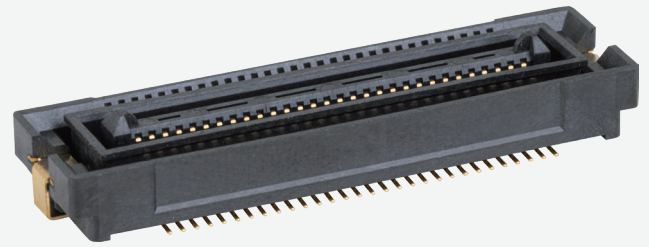
Contact Resistance : 100 mΩ Max.

Dielectric Withstanding Voltage : 250 VAC

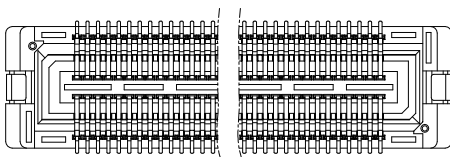
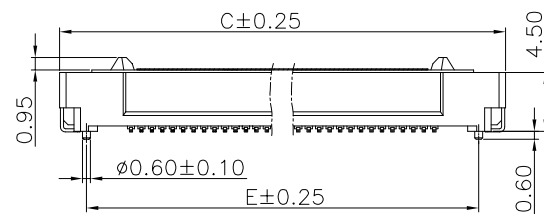
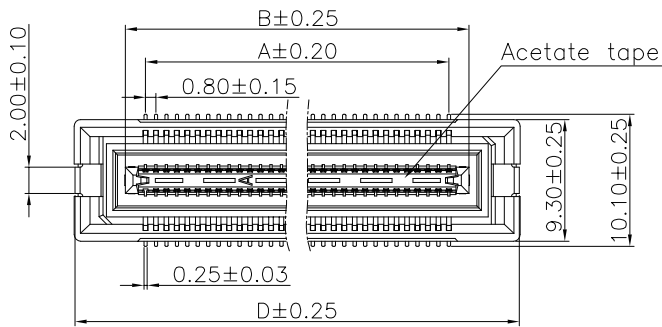
Insulation Resistance : 500 MΩ Min.

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

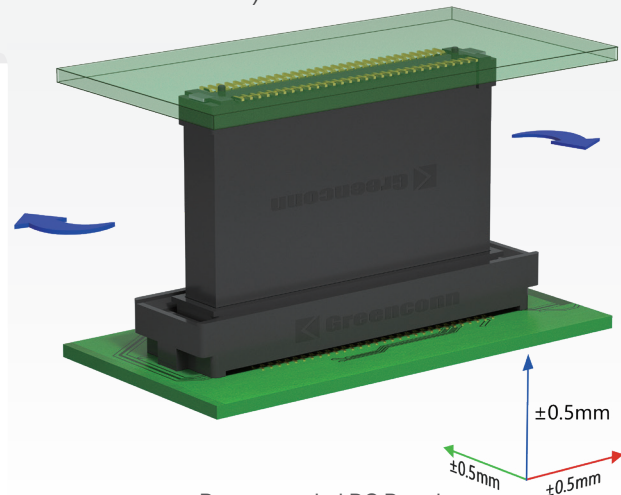
Mates with: CGBC201 (M/H 9.0-10.0mm), CGBC203 (M/H 20.95-21.95mm)



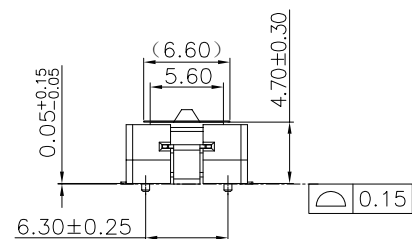
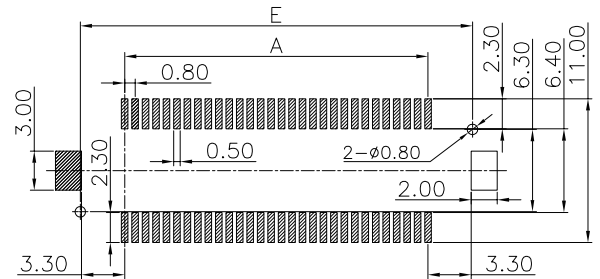
DIMENSIONAL DRAWINGS



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)



Ordering Information

GGBC203-

No. of Pins per Row

Standard Plating

: Gold Flash

Selective Plating

: 3u" Au / Gold Flash

B001C

Color

: Black

A

Standard Packing

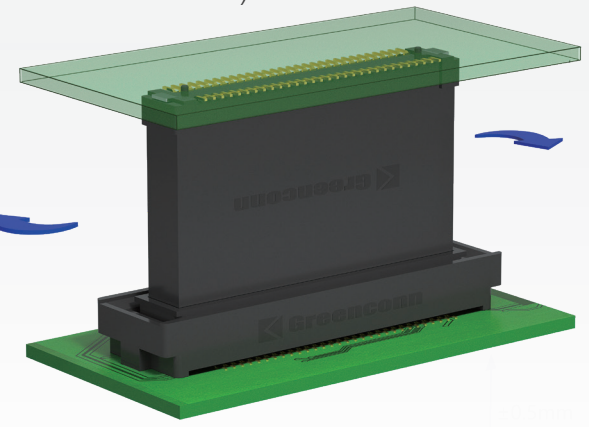
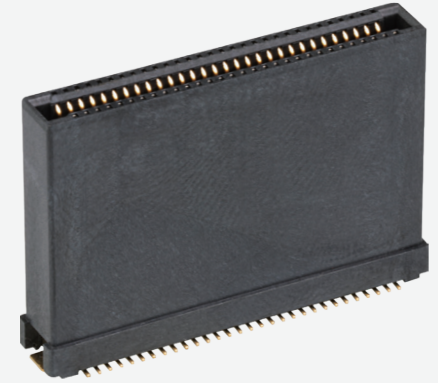
: Acetate Tape+Tape&Reel

CGBC203

SERIES

S.M.T.

FIXED SIDE



PRODUCT SPECIFICATIONS

Current Rating : 0.5 Amp / Pin

Contact Resistance : 100 mΩ Max.

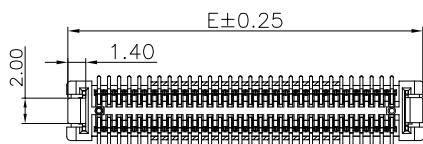
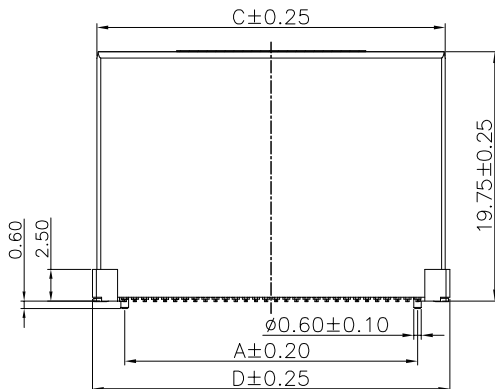
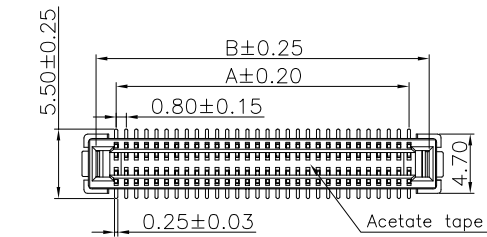
Dielectric Withstanding Voltage : 250 VAC

Insulation Resistance : 500 MΩ Min.

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

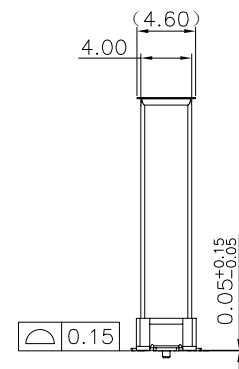
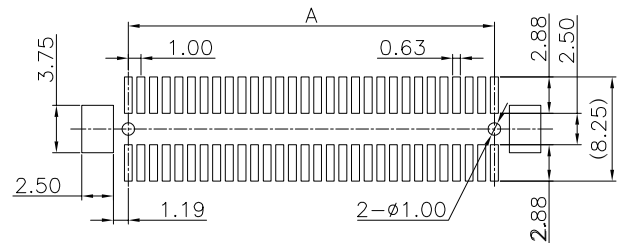
Mates with: GGBC201 (M/H 24.7-25.7mm), GGBC203 (M/H 20.95-21.95mm)

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)



Ordering Information

CGBC203 -

No. of Pins per Row

30 40 50

Standard Plating

02 : Gold Flash

Selective Plating

09 : 3u" Au / Gold Flash

B001C

Color

1 : Black

N

Standard Packing

H : Acetate Tape+Tape&Reel

Floating Board-to-Board Connectors



Asia

Jiangxi / Production Center

☎ + 86 - 797 - 6635 510
☎ + 86 - 797 - 6635 653

Shenzhen / Sales & Service

☎ + 86 - 755 - 2707 0050
☎ + 86 - 755 - 2707 0056

Kunshan / Sales & Service

☎ + 86 - 512 - 5782 5636
☎ + 86 - 512 - 5031 6595

Taipei / Sales & Service

☎ + 886 - 2 - 2209 1343
☎ + 886 - 2 - 2903 0754

Nanjing / Direct Sales Office

☎ + 86 - 512 - 5782 5636
☎ + 86 - 512 - 5031 6595

Chengdu / Direct Sales Office

☎ + 86 - 755 - 2707 0050
☎ + 86 - 755 - 2707 0056

America

Toronto / Direct Sales Office

☎ +1 - 704 - 493 - 1478

