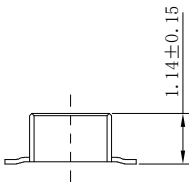
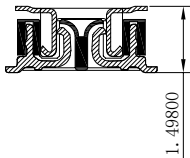
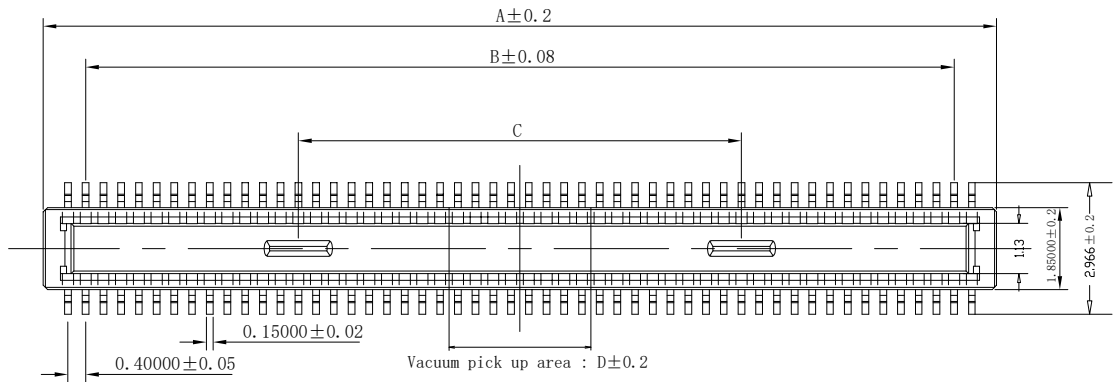
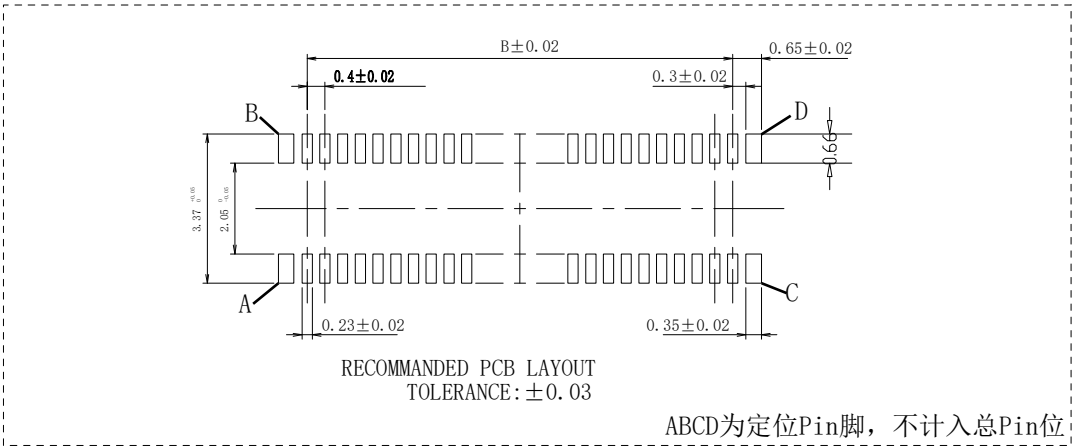


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SGDCONN
BTB Conn:Male
Series
Position Number:***Pin
Mate Height:1.5mm-4.0mm
Plating

SGD BM 04 *** ** 01



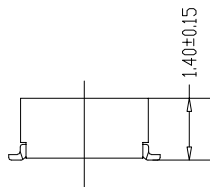
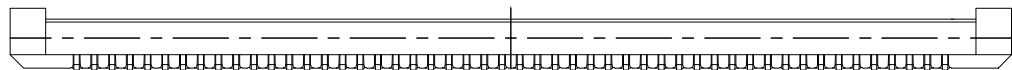
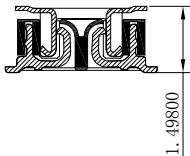
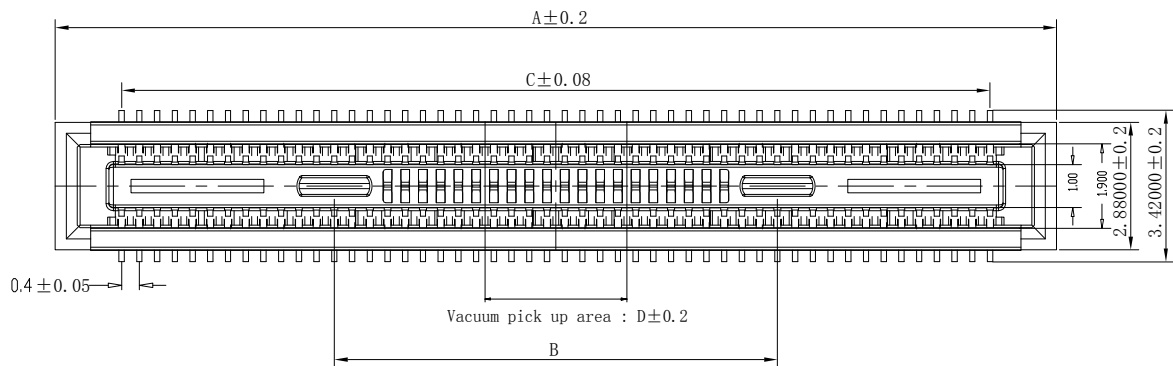
- NOTES -
- MATERIAL SEE TABLE;
 - ELECTRICAL PERFORMANCES:
 - RATED CURRENT:0.3A;
 - CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA.;
 - INSULATION RESISTANCE: 50MΩ min. with DC 100v.;
 - WITHSTANDING VOLTAGE: 100 VAC FOR 1 MINUTE MIN.;
 - MECHANICAL PERFORMANCES:
 - DURABILITY:30 CYCLES;
 - OPERATION TEMPERATURE:-55° To +125° C;
 - NORMAL INSERT FORCE AT MATED POSITION:5N MAX;

PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	3.52	3.92	5.52	6.32	7.52	8.32	9.52	10.32	11.52	13.52	15.52	17.52	19.52	21.52	25.52
B	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
C	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5191H	Ni 50~90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q'TY	MATERIAL	FINISH	REMARK

TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 1.5H Male Conn			
.X ± 0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE:		
.XX ± 0.15	.X° XX	FINISH:	SGDBM04****01	0.4MM BTB 1.5H Male Conn Customer Drawing		
.XXX ± 0.10	.XX° XX	SEE NOTES	APPD:	DWG NO.:		
		Weight:	CHKD:	SGDBM04000010-C		
			DR: F Pan			
					SCALE	SHEET
					5:1	1/1
						REV.
						C

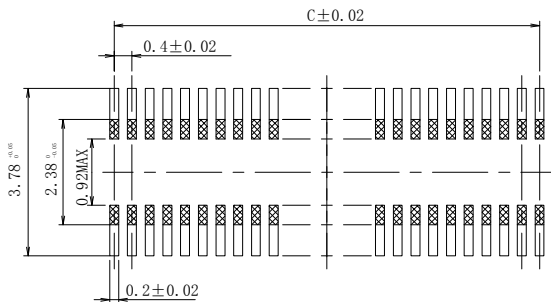
REV.	ECN No.	DATE
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SGD BF 04 *** 15 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:1.5mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
3. MECHANICAL PERFORMANCES:
3-1. DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;

PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.2	3.20

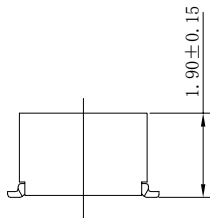
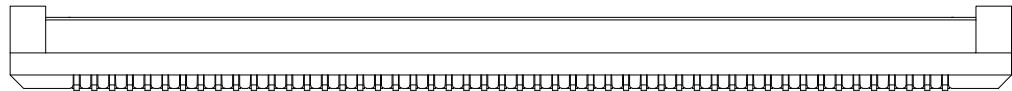
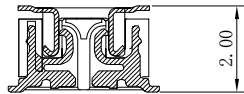
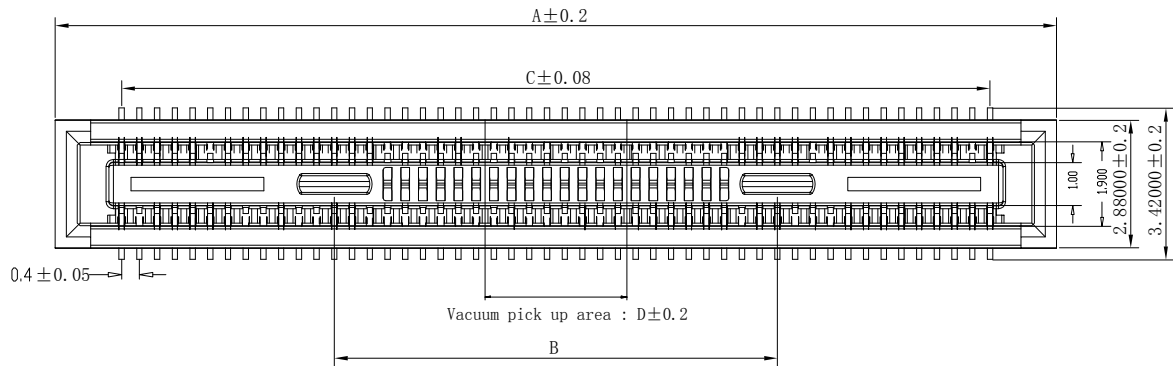


RECOMMENDED PCB LAYOUT
TOLERANCE:±0.03
(Without reinforcing metal fitting)

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q'TY	MATERIAL	FINISH	REMARK

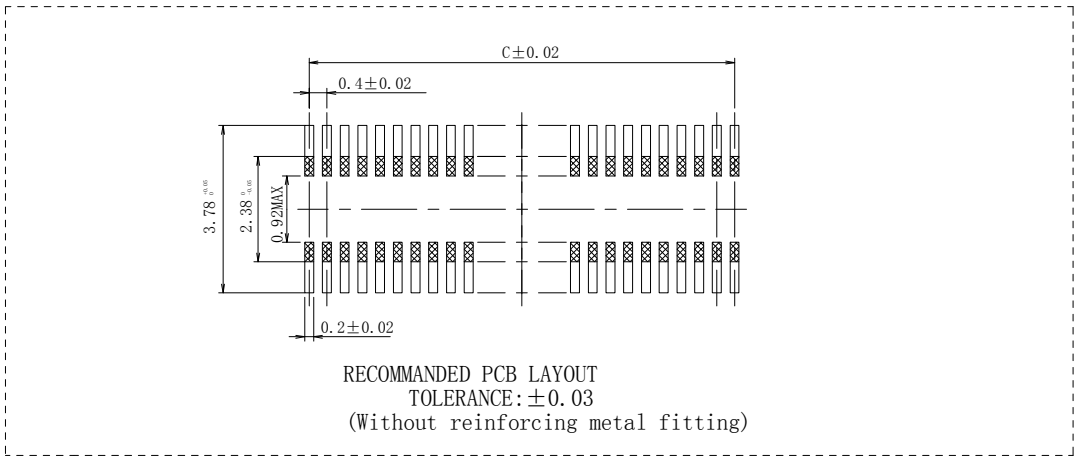
TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 1.5H Female Conn			
.X ±0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE: 0.4MM BTB 1.5H Female Conn Customer Drawing		
.XX ±0.15	.X° XX	FINISH:	SGDBF04***1501	DWG NO. : SGDBF04001510-C		
.XXX ±0.10	.XX° XX	SEE NOTES	APPD:			
		Weight:	CHKD:			
			DR:P F			
					SCALE 5:1	SHEET 1/1
					REV. C	

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SGD BF 04 *** 20 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:2.0mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
 2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
 3. MECHANICAL PERFORMANCES:
3-1.DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;



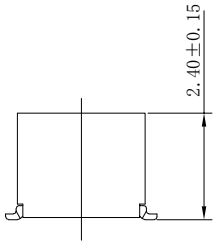
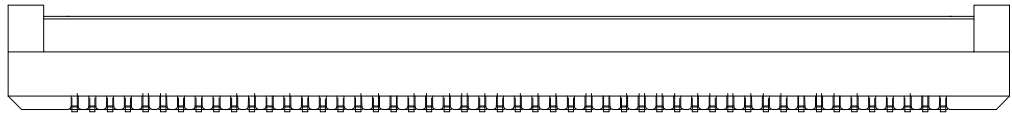
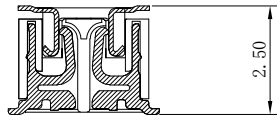
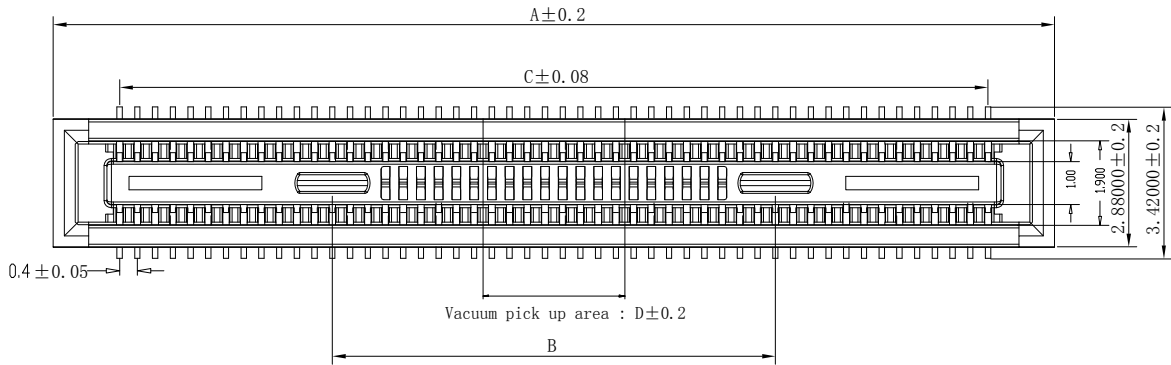
RECOMMANDED PCB LAYOUT
TOLERANCE:±0.03
(Without reinforcing metal fitting)

PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q' TY	MATERIAL	FINISH	REMARK

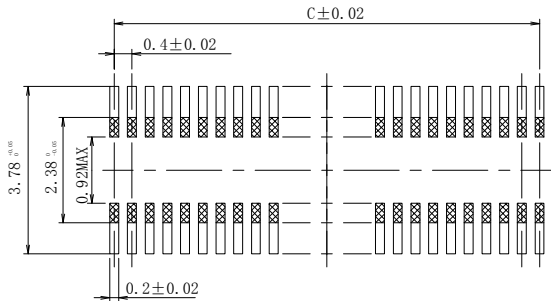
TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 2.0H Female Conn			
.X ±0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE:		
.XX ±0.15	.X° XX	FINISH:	SGDBF04***2001	0.4MM BTB 2.0H Female Conn Customer Drawing		
.XXX ±0.10	.XX° XX	SEE NOTES	APPD:	DWG NO. :		
		Weight:	CHKD:	SGDBF04002010-C		
			DR:P F	SCALE SHEET REV.		
				5:1 1/1 C		

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SGD BF 04 *** 25 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:2.5mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
 2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
 3. MECHANICAL PERFORMANCES:
3-1.DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;



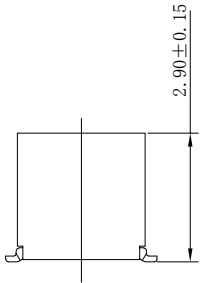
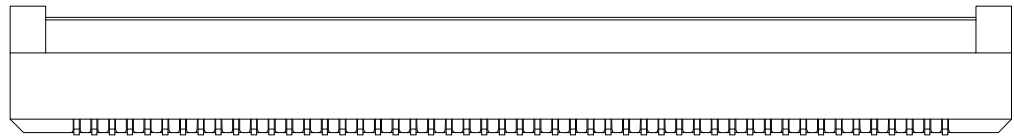
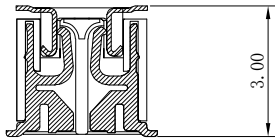
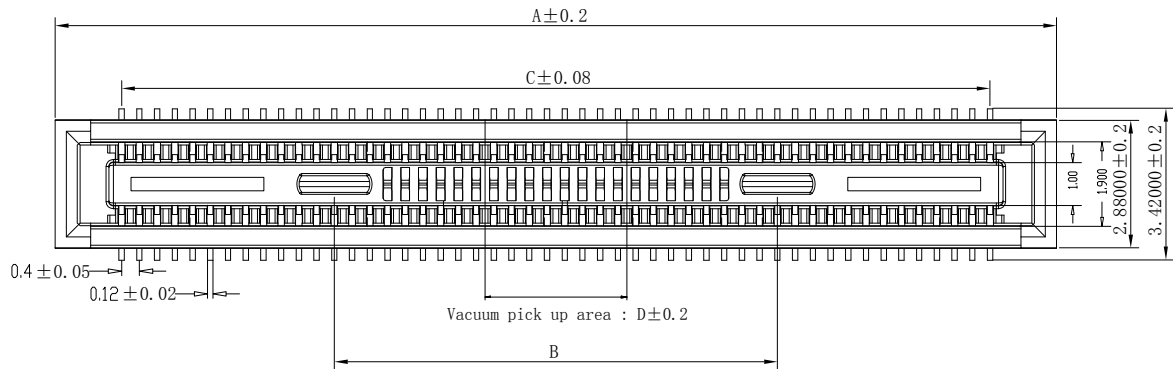
RECOMMENDED PCB LAYOUT
TOLERANCE:±0.03
(Without reinforcing metal fitting)

PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q'TY	MATERIAL	FINISH	REMARK

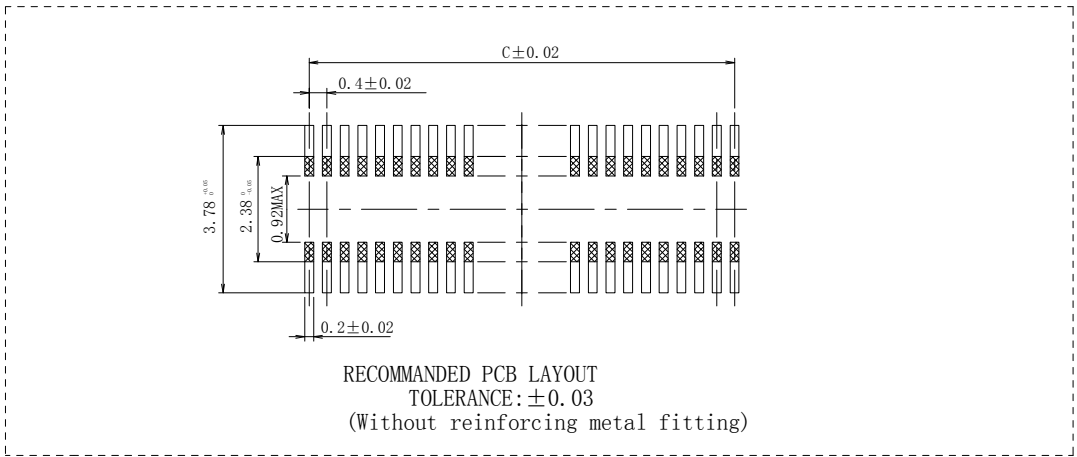
TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司			
LINEAR	ANGLE	MAT'L:	0.4MM BTB 2.5H Female Conn				
.X ± 0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE:			
.XX ± 0.15	.X° XX		SGDBF04***2501	0.4MM BTB 2.5H Female Conn Customer Drawing			
.XXX ± 0.10	.XX° XX	FINISH:	APPD:	DWG NO. :			
		SEE NOTES			SGDBF04002510-C		
			Weight:	CHKD:		SCALE	SHEET
			DR:P F	5:1		1/1	C

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SGD BF 04 *** 30 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:3.0mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
3. MECHANICAL PERFORMANCES:
3-1.DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;



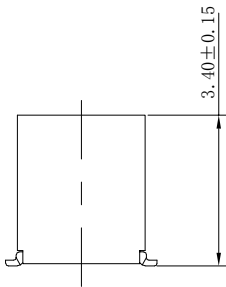
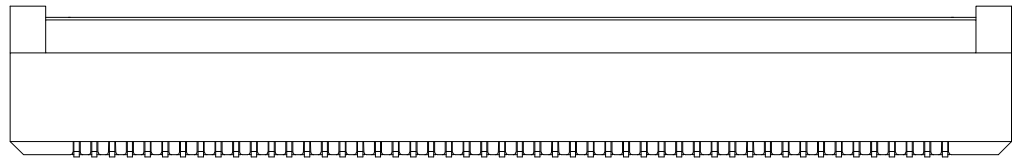
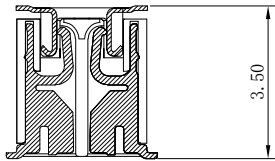
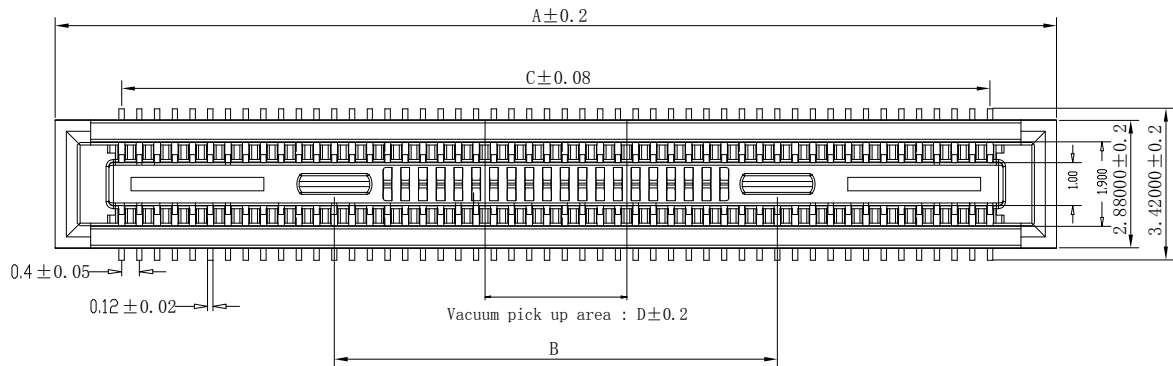
RECOMMENDED PCB LAYOUT
TOLERANCE:±0.03
(Without reinforcing metal fitting)

PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

	2	Housing	1	LCP	Glass:30%	Black
	1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q'TY	MATERIAL	FINISH	REMARK	

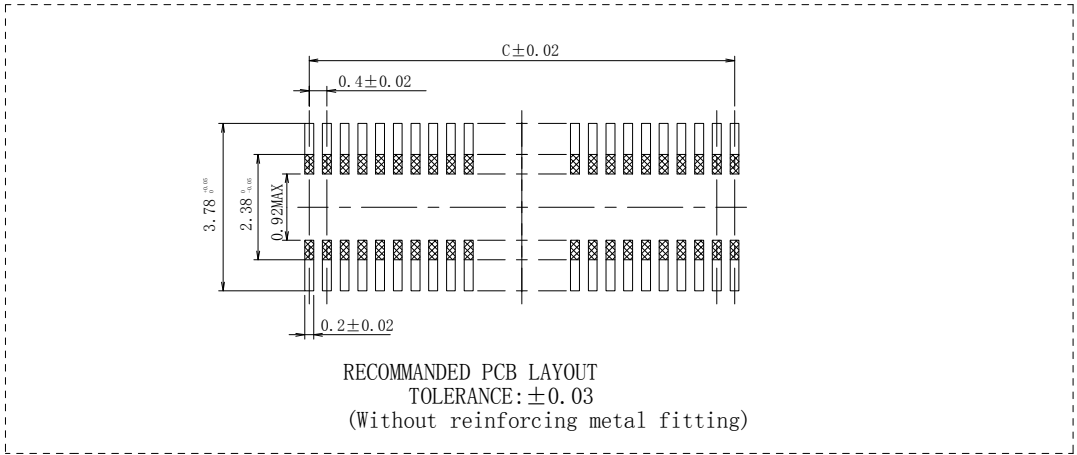
TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 3.0H Female Conn			
.X ±0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE:		
.XX ±0.15	.X° XX	FINISH:	SGDBF04***3001	0.4MM BTB 3.0H Female Conn		
.XXX ±0.10	.XX° XX	SEE NOTES	APPD:	Customer Drawing		
		Weight:	CHKD:	DWG NO. :		
			DR:P F	SGDBF04003010-C		
					SCALE	SHEET
					5:1	1/1
						REV.
						C

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SGD BF 04 *** 35 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:3.5mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
 2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
 3. MECHANICAL PERFORMANCES:
3-1.DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;

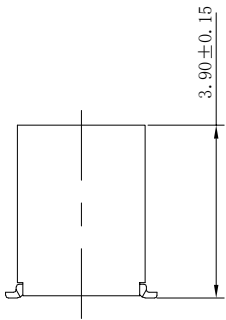
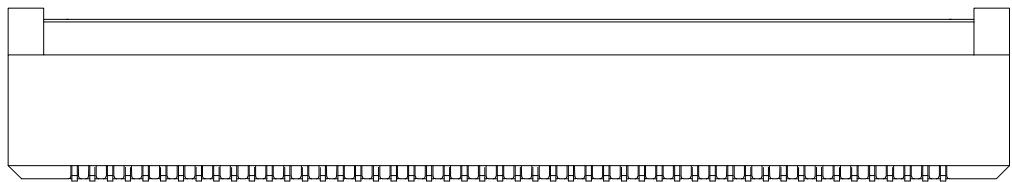
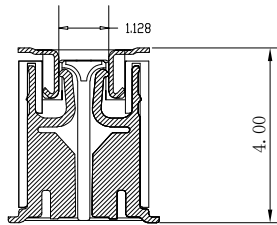
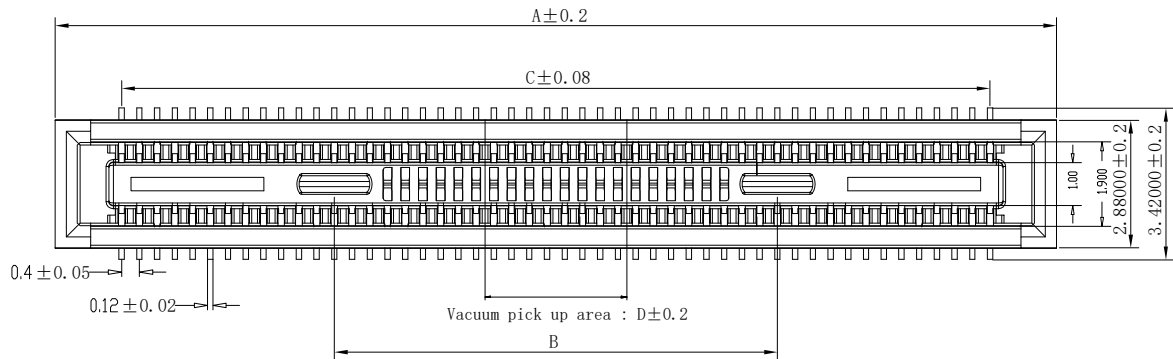


PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q' TY	MATERIAL	FINISH	REMARK

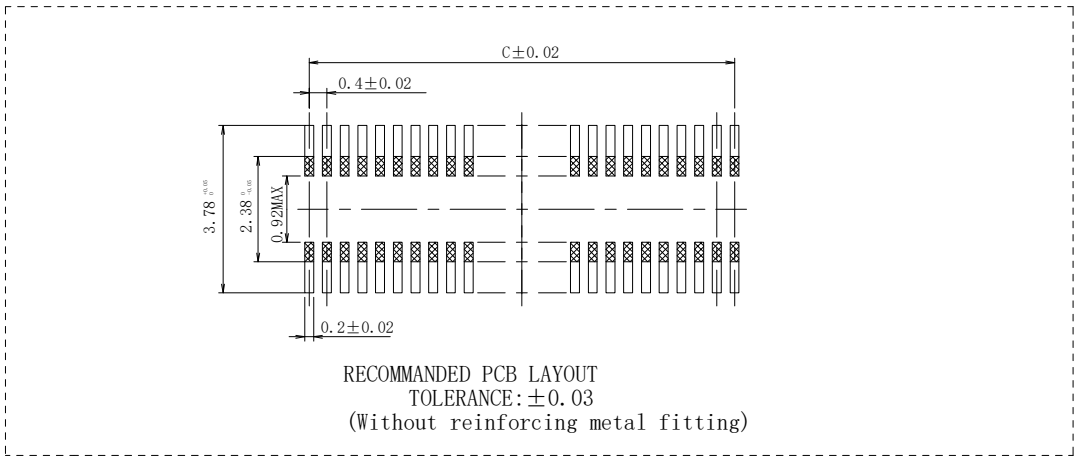
TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 3.5H Female Conn			
.X ±0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE: 0.4MM BTB 3.5H Female Conn Customer Drawing		
.XX ±0.15	.X° XX		SGDBF04***3501			
.XXX ±0.10	.XX° XX	FINISH:	APPD:	DWG NO. : SGDBF04003510-C		
		Weight:	CHKD:			
			DR:P F			
					SCALE	SHEET
					5:1	1/1
						REV.
						C

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SGD BF 04 *** 40 01
SGDCONN
BTB Conn:Female
Series
Position Number:***Pin
Mate Height:4.0mm
Plating

- NOTES -
1. MATERIAL SEE TABLE;
 2. ELECTRICAL PERFORMANCES:
2-1. RATED CURRENT:0.3A;
2-2. CONTACT RESISTANCE: 90 mΩ Max. with AC 20mV, 1kHz and 1mA
2-3. INSULATION RESISTANCE: 50MΩ min. with DC 100v
 3. MECHANICAL PERFORMANCES:
3-1.DURABILITY:30 CYCLES;
3-2. OPERATION TEMPERATURE:-55° To +125° C;



PIN	10	12	20	24	30	34	40	44	50	60	70	80	90	100	120
A	4.60	5.00	6.60	7.40	8.60	9.40	10.60	11.40	12.60	14.60	16.60	18.60	20.60	22.60	26.60
B	-	-	1.93	2.43	3.18	3.68	5.08	5.86	5.50	6.00	7.00	8.00	9.00	10.00	14.00
C	1.60	2.00	3.60	4.40	5.60	6.40	7.60	8.40	9.60	11.60	13.60	15.60	17.60	19.60	23.60
D	1.00	1.00	1.00	1.20	1.50	2.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

2	Housing	1	LCP	Glass:30%	Black
1	Terminal	N	C5240ESH	Ni 50°90u"UNDERPLATING, GOLD FLASH OVER ALL	
ITEM	Part Name	Q'TY	MATERIAL	FINISH	REMARK

TOLERANCE UNLESS SPECIFIED		UNITS: mm	NAME (INTENDED USE)	山谷道 深圳市山谷道电子有限公司		
LINEAR	ANGLE	MAT'L:	0.4MM BTB 4.0H Female Conn			
.X ±0.25	.X° XX	SEE NOTES	PART NO. (INTENDED USE)	TITLE: 0.4MM BTB 4.0H Female Conn Customer Drawing		
.XX ±0.15	.X° XX		SGDBF04***4001			
.XXX ±0.10	.XX° XX	FINISH:	APPD:	DWG NO.: SGDBF04004010-C		
		Weight:	CHKD:			
			DR:P F			
					SCALE	SHEET
					5:1	1/1
						REV.
						C