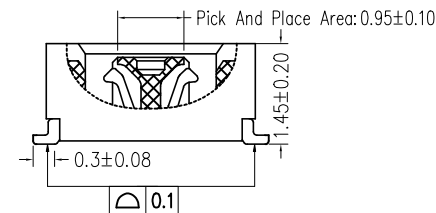
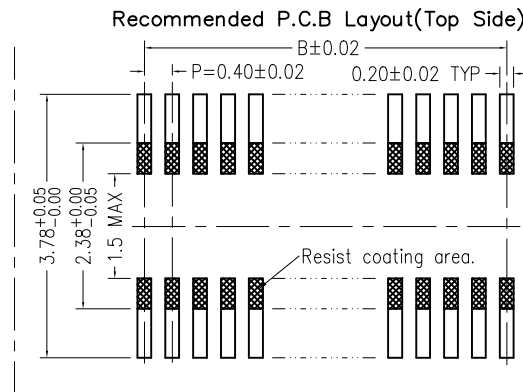
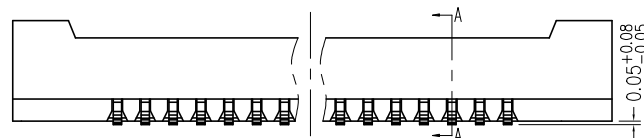
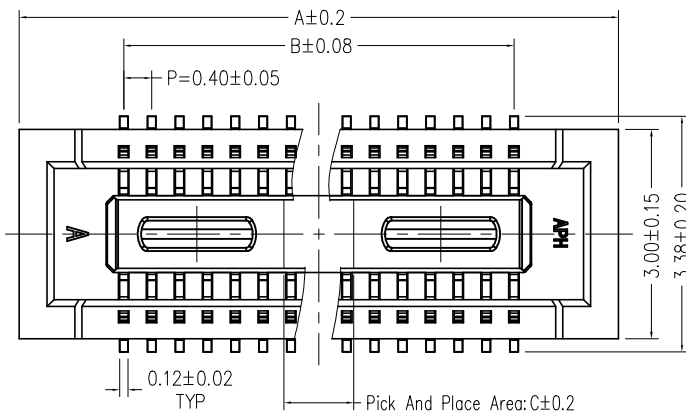


PRODUCT NUMBER STRUCTURE

10164227 - AAABCDEF

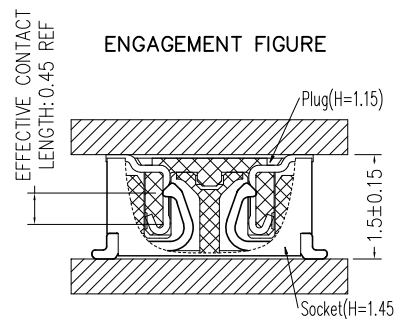
No. of Pins:
 010=10Pin; 020=20Pin;
 024=24Pin; 030=30Pin;
 034=34Pin; 040=40Pin;
 050=50Pin; 060=60Pin;
 070=70Pin; 080=80Pin;
 090=90Pin; 100=100Pin.
 120=120Pin.

Height:
 1=1.45mm
 Contact plating:
 A=Gold flash
 Hold down:
 1=Without hold down
 Packing:
 R=Tape & Reel
 LF:
 LF=Lead free



A-A

ENGAGEMENT FIGURE



Note

- CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
- VOLTAGE RATING: 30V AC ;
- CONTACT RESISTANCE: 90mΩ Max;
- WITHSTAND VOLTAGE : 100V AC;
- INSULATION RESISTANCE: 50MΩ Min;
- INSULATOR MATERIAL: LCP,G.F,UL94V-O,BK;
- CONTACT MATERIAL: Copper Alloy;
- CONTACT PLATING:
 GOLD FLASH ON CONTACT AREA(SEE ORDERING INFORMATION),
 50μ" NICKEL UNDERPLATING OVERALL;
- CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
- RECOMMENDED STENCIL THICKNESS IS 120um.
- RECOMMENDED STENCIL OPENING RATIO IS 80%.
- PRODUCT SPEC : GS-12-1404.

| PART NO. | NO. of contacts | A | B | C |
|-------------------|-----------------|-------|-------|-----|
| 10164227-010A1RLF | 10 | 4.60 | 1.60 | 1.0 |
| 10164227-020A1RLF | 20 | 6.60 | 3.60 | 1.0 |
| 10164227-024A1RLF | 24 | 7.40 | 4.40 | 1.0 |
| 10164227-030A1RLF | 30 | 8.60 | 5.60 | 1.5 |
| 10164227-034A1RLF | 34 | 9.40 | 6.40 | 2.3 |
| 10164227-040A1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-050A1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-060A1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-070A1RLF | 70 | 16.60 | 13.60 | 3.2 |
| 10164227-080A1RLF | 80 | 18.60 | 15.60 | 3.2 |
| 10164227-090A1RLF | 90 | 20.60 | 17.60 | 3.2 |
| 10164227-100A1RLF | 100 | 22.60 | 19.60 | 3.2 |
| 10164227-120A1RLF | 120 | 26.60 | 23.60 | 3.2 |

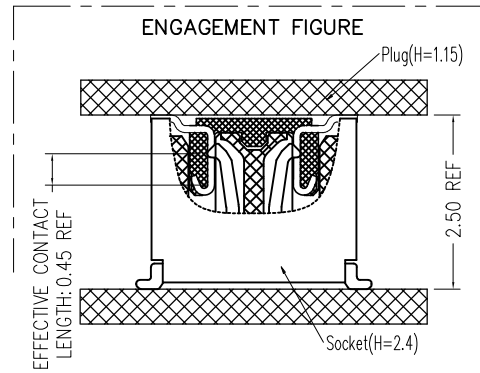
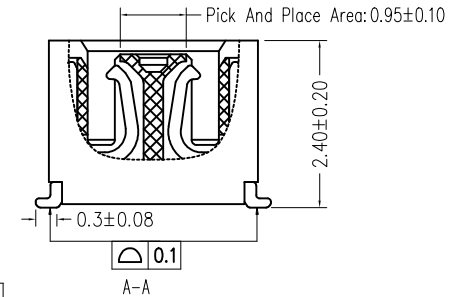
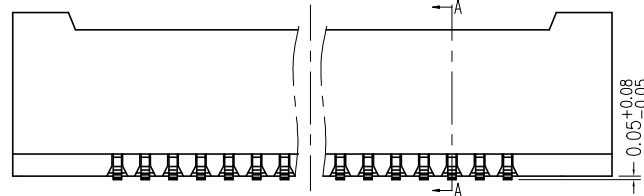
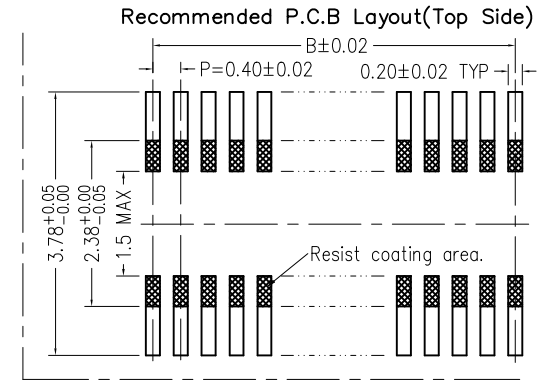
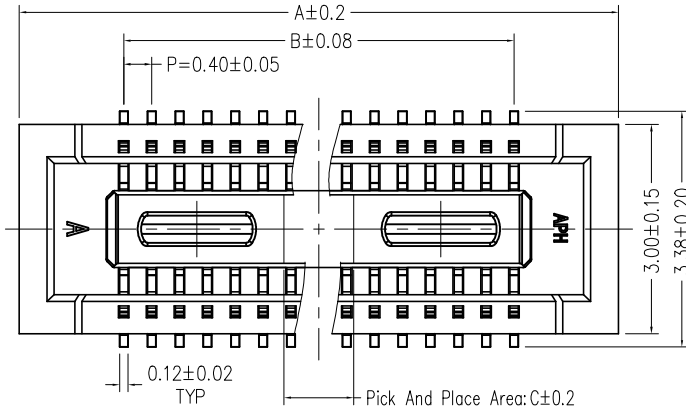
| | | | | | | | | | |
|-------------|--|------------------|--|----------------------------|--|-----------------------|--|-------------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| A | | - | | YY | | 2022/04/01 | | title | |
| B | | ELX-N-46224-1 | | YY | | 2022/11/14 | | RECEPTACLE | |
| C | | ELX-N-51266 | | SF | | 2023/11/15 | | BERGSTAK 0.4MM BTB | |
| | | | | dr | | Y-Y Bao 2022/11/14 | | dwg no | |
| | | | | eng | | Sanford Lu 2024/04/16 | | sheet 1 of 6 | |
| | | | | chr | | L-Q Lei 2024/04/16 | | 10164227 | |
| | | | | appd | | Tim Yao 2024/04/16 | | size | |
| | | | | | | | | A3 | |
| sheet index | | revision sheet | | C | | 1~6 | | type Product Customer Drawing | |



PRODUCT NUMBER STRUCTURE

10164227 - AAABCDELFL

No. of Pins:
 020=20Pin; 030=30Pin;
 040=40Pin; 050=50Pin;
 060=60Pin; 070=70Pin
 Height:
 2=2.4mm
 Contact plating:
 A=Gold flash
 Hold down:
 1=Without hold down
 Packing:
 R=Tape & Reel
 LF:
 LF=Lead free



- Note
- 1.CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
 - 2.VOLTAGE RATING: 30V AC ;
 - 3.CONTACT RESISTANCE: 90mΩ Max;
 - 4.WITHSTAND VOLTAGE : 100V AC;
 - 5.INSULATION RESISTANCE: 50MΩ Min;
 - 6.INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
 - 7.CONTACT MATERIAL: Copper Alloy;
 - 8.CONTACT PLATING:
 GOLD FLASH ON CONTACT AREA(SEE ORDERING INFORMATION),
 50μ" NICKEL UNDERPLATING OVERALL;
 - 9.CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
 - 10.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 - 10.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
 - 12.RECOMMENDED STENCIL THICKNESS IS 120um.
 - 13.RECOMMENDED STENCIL OPENING RATIO IS 80%.
 - 14.PRODUCT SPEC : GS-12-1404.

| PART NO. | NO. of contacts | A | B | C |
|--------------------|-----------------|-------|-------|-----|
| 10164227-0202A1RLF | 20 | 6.60 | 3.60 | 1.0 |
| 10164227-0302A1RLF | 30 | 8.60 | 5.60 | 1.5 |
| 10164227-0402A1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-0502A1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-0602A1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-0702A1RLF | 70 | 16.60 | 13.60 | 3.2 |

| | | | | | | | | | |
|-------------|--|------------------|--|-------------------|--|---------------------|--|-------------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 | | projection ISO 1101 | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| c | | angles | | linear | | mm | | title | |
| | | 0±2' | | .00±.10 | | scale 1:1 | | RECEPTACLE | |
| | | dr | | Y-Y Bao | | 2022/11/14 | | BERGSTAK 0.4MM BTB | |
| | | eng | | Sanford Lu | | 2024/04/16 | | dwg no | |
| | | chr | | L-Q Lei | | 2024/04/16 | | sheet 2 of 6 | |
| | | appd | | Tim Yao | | 2024/04/16 | | size | |
| sheet index | | revision sheet | | c | | 1~6 | | 10164227 | |
| | | | | | | | | A3 | |
| | | | | | | | | type Product Customer Drawing | |

PRODUCT NUMBER STRUCTURE

10164227 - AAABCDELFF

No. of Pins:
 030=30Pin; 040=40Pin;
 044=44Pin; 050=50Pin;
 060=60Pin; 070=70Pin;
 080=80Pin; 090=90Pin;
 100=100Pin;

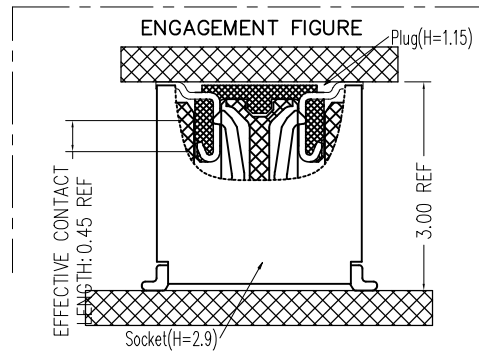
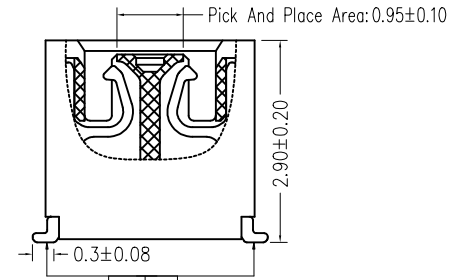
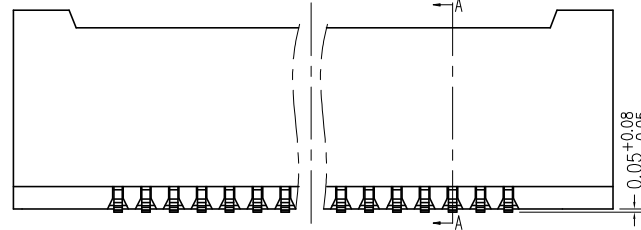
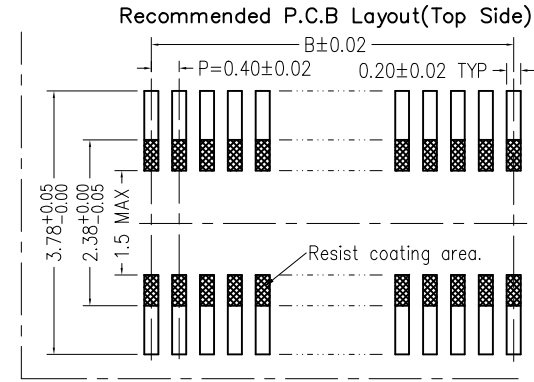
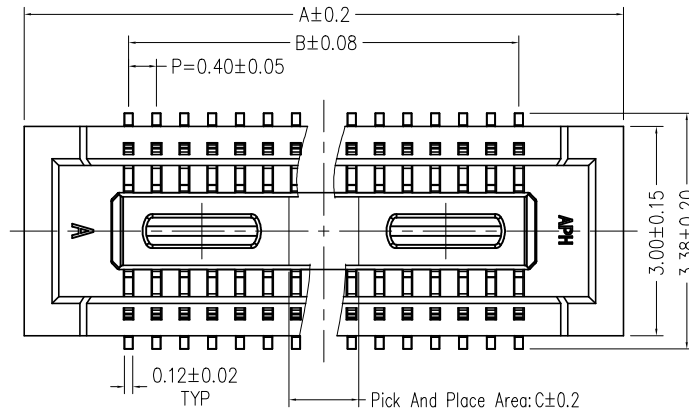
Height:
 3=2.9mm

Contact plating:
 A=Gold flash

Hold down:
 1=Without hold down

Packing:
 R=Tape & Reel

LF:
 LF=Lead free



0.1
A-A

Note

- CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
- VOLTAGE RATING: 30V AC ;
- CONTACT RESISTANCE: 90mΩ Max;
- WITHSTAND VOLTAGE : 100V AC;
- INSULATION RESISTANCE: 50MΩ Min;
- INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
- CONTACT MATERIAL: Copper Alloy;
- CONTACT PLATING:
 GOLD FLASH ON CONTACT AREA(SEE ORDERING INFORMATION),
 50 μ" NICKEL UNDERPLATING OVERALL;
- CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
- RECOMMENDED STENCIL THICKNESS IS 120um.
- RECOMMENDED STENCIL OPENING RATIO IS 80%.
- PRODUCT SPEC : GS-12-1404..

| PART NO. | NO. of contacts | A | B | C |
|--------------------|-----------------|-------|-------|-----|
| 10164227-0303A1RLF | 30 | 8.60 | 5.60 | 1.5 |
| 10164227-0403A1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-0443A1RLF | 44 | 11.40 | 8.40 | 3.2 |
| 10164227-0503A1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-0603A1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-0703A1RLF | 70 | 16.60 | 13.60 | 3.2 |
| 10164227-0803A1RLF | 80 | 18.60 | 15.60 | 3.2 |
| 10164227-0903A1RLF | 90 | 20.60 | 17.60 | 3.2 |
| 10164227-1003A1RLF | 100 | 22.60 | 19.60 | 3.2 |

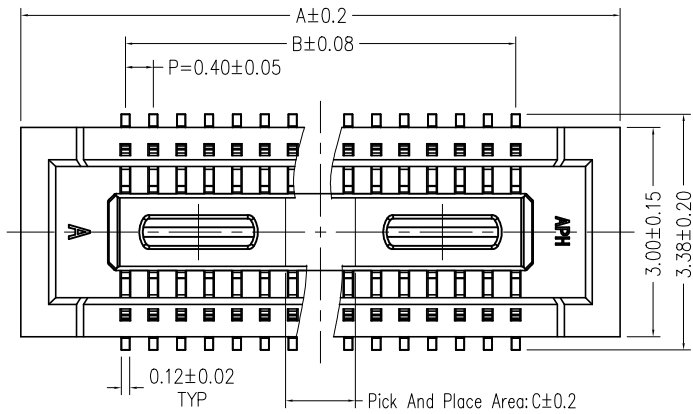
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|-------------|--|------------------|--|----------------------------|--|------------|--|-------------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| c | | angles | | linear | | mm | | title | |
| | | 0°±2' | | .00±.10 | | scale 1:1 | | RECEPTACLE | |
| | | dr | | Y-Y Bao | | 2022/11/14 | | BERGSTAK 0.4MM BTB | |
| | | eng | | Sanford Lu | | 2024/04/16 | | dwg no | |
| | | chr | | L-Q Lei | | 2024/04/16 | | sheet 3 of 6 | |
| | | appd | | Tim Yao | | 2024/04/16 | | size | |
| sheet index | | revision sheet | | C | | 1~6 | | 10164227 | |
| | | | | | | | | A3 | |
| | | | | | | | | type Product Customer Drawing | |

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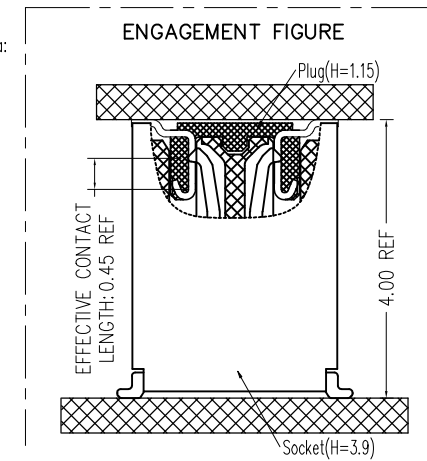
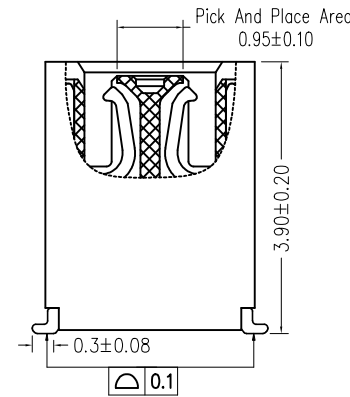
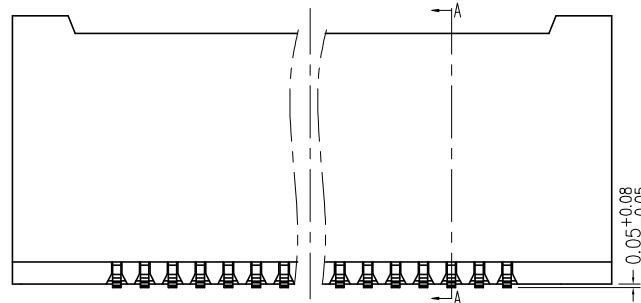
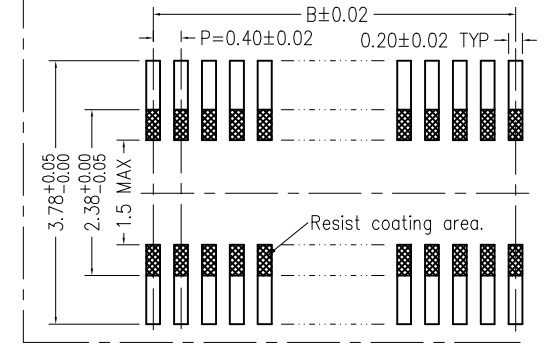
PRODUCT NUMBER STRUCTURE

10164227 - AAABCDEF

No. of Pins:
 040=40Pin; 050=50Pin;
 060=60Pin; 070=70Pin
 080=80Pin; 090=90Pin
 100=100Pin
 Height:
 4=3.9mm
 Contact plating:
 A=Gold flash
 Hold down:
 1=Without hold down
 Packing:
 R= Tape & Reel
 LF:
 LF=Lead free



Recommended P.C.B Layout(Top Side)



- Note
- CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
 - VOLTAGE RATING: 30V AC ;
 - CONTACT RESISTANCE: 90mΩ Max;
 - WITHSTAND VOLTAGE : 100V AC;
 - INSULATION RESISTANCE: 50MΩ Min;
 - INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
 - CONTACT MATERIAL: Copper Alloy;
 - CONTACT PLATING:
 GOLD FLASH ON CONTACT AREA(SEE ORDERING INFORMATION),
 50μ" NICKEL UNDERPLATING OVERALL;
 - CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
 - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
 - RECOMMENDED STENCIL THICKNESS IS 120um.
 - RECOMMENDED STENCIL OPENING RATIO IS 80%.
 - PRODUCT SPEC : GS-12-1404.

| PART NO. | NO. of contacts | A | B | C |
|-------------------|-----------------|-------|-------|-----|
| 10164227-040A1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-050A1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-060A1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-070A1RLF | 70 | 16.60 | 13.60 | 3.2 |
| 10164227-080A1RLF | 80 | 18.60 | 15.60 | 3.2 |
| 10164227-090A1RLF | 90 | 20.60 | 17.60 | 3.2 |
| 10164227-100A1RLF | 100 | 22.60 | 19.60 | 3.2 |

| | | | | | | | | | |
|-------------|--|------------------|--|----------------------------|--|------------|--|--------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| c | | | | | | | | title | |
| | | | | | | | | RECEPTACLE | |
| | | | | | | | | BERGSTAK 0.4MM BTB | |
| | | | | | | | | dwg no | |
| | | | | | | | | sheet 4 of 6 | |
| | | | | | | | | size | |
| | | | | | | | | A3 | |
| | | | | | | | | type | |
| | | | | | | | | Product Customer Drawing | |
| sheet index | | revision sheet | | C | | 1~6 | | | |

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PRODUCT NUMBER STRUCTURE

10164227 - AAABCDELFF

No. of Pins:
 020=20Pin; 030=30Pin;
 040=40Pin; 050=50Pin;
 060=60Pin; 080=80Pin

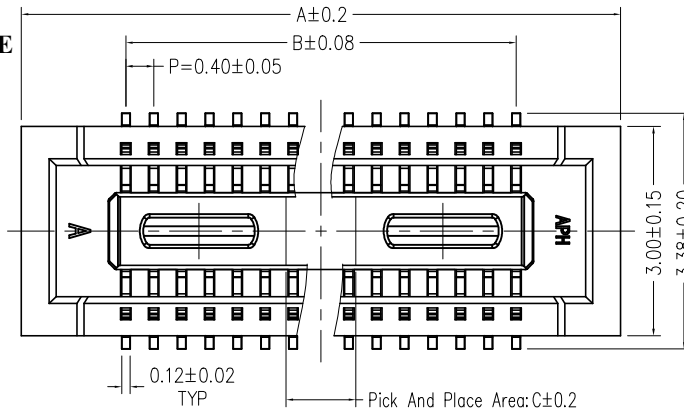
Height:
 5=3.45mm

Contact plating:
 A=Gold flash

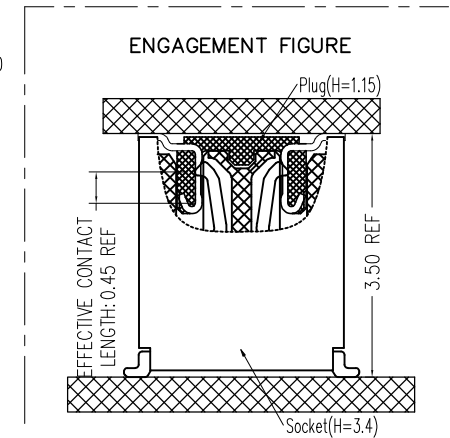
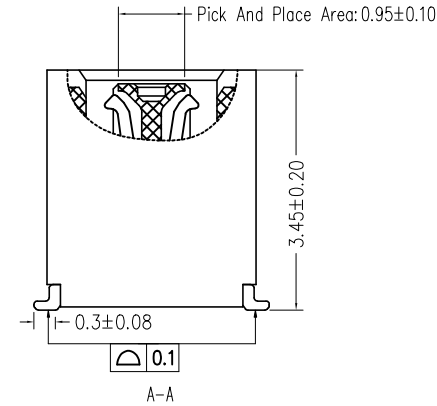
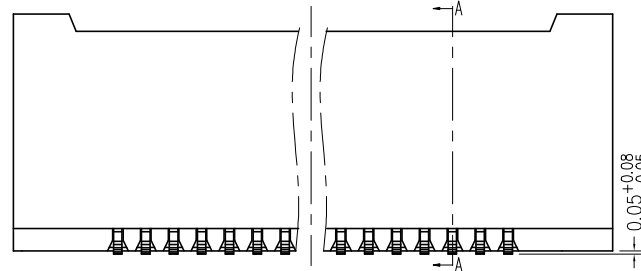
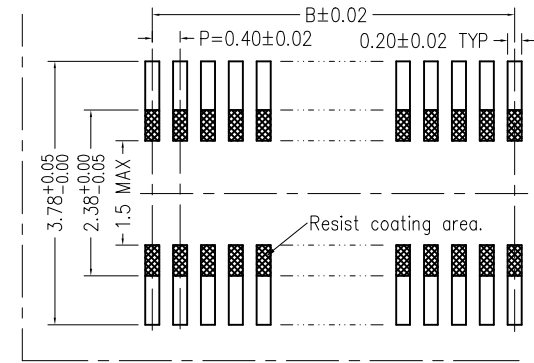
Hold down:
 1=Without hold down

Packing:
 R=Tape & Reel

LF:
 LF=Lead free



Recommended P.C.B Layout(Top Side)



Note

1. CURRENT RATING : 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
2. VOLTAGE RATING: 30V AC ;
3. CONTACT RESISTANCE: 90mΩ Max;
4. WITHSTAND VOLTAGE : 100V AC;
5. INSULATION RESISTANCE: 50MΩ Min;
6. INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
7. CONTACT MATERIAL: Copper Alloy;
8. CONTACT PLATING:
 GOLD FLASH ON CONTACT AREA(SEE ORDERING INFORMATION),
 50 μ" NICKEL UNDERPLATING OVERALL;
9. CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
10. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
12. RECOMMENDED STENCIL THICKNESS IS 120um.
13. RECOMMENDED STENCIL OPENING RATIO IS 80%.
14. PRODUCT SPEC : GS-12-1404.

| PART NO. | NO. of contacts | A | B | C |
|--------------------|-----------------|-------|-------|-----|
| 10164227-0205A1RLF | 20 | 6.60 | 3.60 | 1.0 |
| 10164227-0305A1RLF | 30 | 8.60 | 5.60 | 1.5 |
| 10164227-0405A1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-0505A1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-0605A1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-0805A1RLF | 80 | 18.60 | 15.60 | 3.2 |

| | | | | | | | | | |
|-------------|--|------------------|--|----------------------------|--|------------|--|--------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| c | | | | | | | | title | |
| | | | | | | | | RECEPTACLE | |
| | | | | | | | | BERGSTAK 0.4MM BTB | |
| | | | | | | | | dwg no | |
| | | | | | | | | sheet 5 of 6 | |
| | | | | | | | | size | |
| | | | | | | | | A3 | |
| | | | | | | | | type | |
| | | | | | | | | Product Customer Drawing | |
| sheet index | | revision sheet | | C | | 1~6 | | | |

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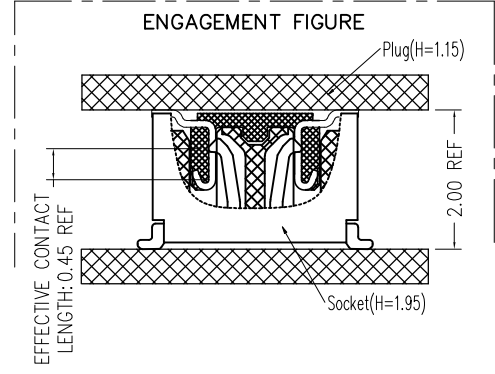
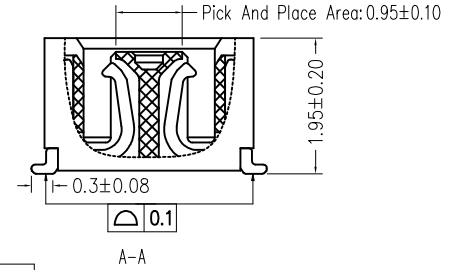
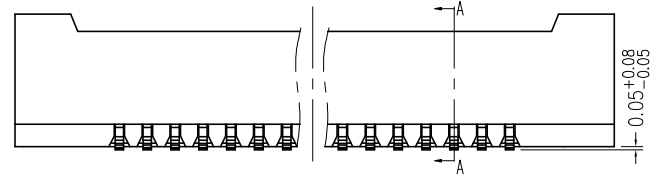
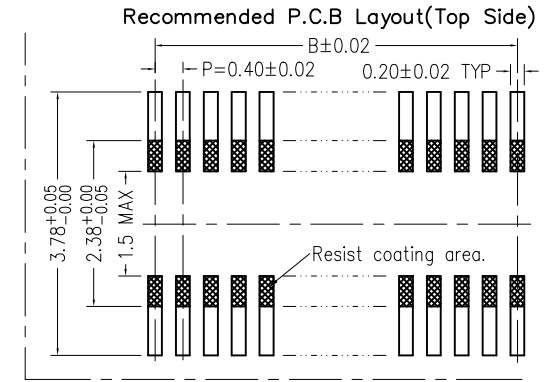
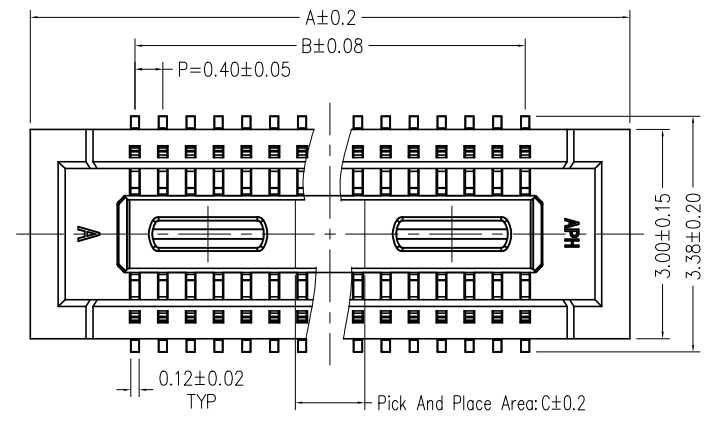
PRODUCT NUMBER STRUCTURE

10164227 - AAABCDELFF

No. of Pins:
 020=20Pin; 024=24Pin;
 030=30Pin; 040=40Pin;
 050=50Pin; 060=60Pin;
 070=70Pin; 080=80Pin;

Height:
 6=1.95mm

Contact plating:
 A=Gold flash
 B=8u" Min. Au
 C=15u" Min. Au
 Hold down:
 1=Without hold down
 Packing:
 R=Tape & Reel
 LF:
 LF=Lead free



- Note
- 1.CURRENT RATING: 0.3A ON ALL CONTACTS SIMULTANEOUSLY;
 - 2.VOLTAGE RATING: 30V AC ;
 - 3.CONTACT RESISTANCE: 90mΩ Max;
 - 4.WITHSTAND VOLTAGE : 100V AC;
 - 5.INSULATION RESISTANCE: 50MΩ Min;
 - 6.INSULATOR MATERIAL: LCP,G.F,UL94V-0,BK;
 - 7.CONTACT MATERIAL: Copper Alloy;
 - 8.CONTACT PLATING:
 SEE CONTACT PLATING OPTION AND ORDERING INFORMATION
 50 μ" NICKEL UNDERPLATING OVERALL;
 - 9.CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MAX.
 - 10.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
 - 10.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN.
 - 12.RECOMMENDED STENCIL THICKNESS IS 120um.
 - 13.RECOMMENDED STENCIL OPENING RATIO IS 80%.
 - 14.PRODUCT SPEC : GS-12-1404.

| PART NO. | NO.of contacts | A | B | C |
|--------------------|----------------|-------|-------|-----|
| 10164227-0206X1RLF | 20 | 6.60 | 3.60 | 1.0 |
| 10164227-0246X1RLF | 24 | 7.40 | 4.40 | 1.0 |
| 10164227-0306X1RLF | 30 | 8.60 | 5.60 | 1.5 |
| 10164227-0406X1RLF | 40 | 10.60 | 7.60 | 3.2 |
| 10164227-0506X1RLF | 50 | 12.60 | 9.60 | 3.2 |
| 10164227-0606X1RLF | 60 | 14.60 | 11.60 | 3.2 |
| 10164227-0706X1RLF | 70 | 16.60 | 13.60 | 3.2 |
| 10164227-0806X1RLF | 80 | 18.60 | 15.60 | 3.2 |

| | | | | | | | | | |
|-------------|--|------------------|--|---------------------------------------|--|------------|--|-------------------------------|--|
| mat'l. code | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection | | product family | |
| ltr | | ecn no | | dr | | date | | BERGSTAK | |
| c | | | | tolerances unless otherwise specified | | mm | | title | |
| | | | | angles linear | | scale 1:1 | | RECEPTACLE | |
| | | | | 0±2' | | | | BERGSTAK 0.4MM BTB | |
| | | dr | | Y-Y Bao | | 2022/11/14 | | dwg no | |
| | | eng | | Sanford Lu | | 2024/04/16 | | sheet 6 of 6 | |
| | | chr | | L-Q Lei | | 2024/04/16 | | size | |
| | | appd | | Tim Yao | | 2024/04/16 | | A3 | |
| sheet index | | revision sheet | | C | | 1~6 | | type Product Customer Drawing | |

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