

PRODUCT NUMBER  
20020303-XXXXXXLF

20020303-□ □ □ □ B 0 □ L F

PITCH

D: 3.81 mm  
G: 5.00 mm  
H: 5.08 mm

POLES

02: 2 POLES  
03: 3 POLES  
.....  
24: 24 POLES

LF : DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT  
W/ BOX PACKING

HOUSING CODE

| CODE | COLOR             | AVAILABILITY    |
|------|-------------------|-----------------|
| 1    | GREEN(RAL 6018/T) | STANDARD        |
| 2    | BLACK             | ON REQUEST ONLY |
| 3    | GREY(RAL 7004/P)  | ON REQUEST ONLY |
| 4    | BLUE(RAL 5015/A)  | ON REQUEST ONLY |

| PROPERTY TABLE                            |          |                    |                    |                    |
|---|----------|--------------------|--------------------|--------------------|
| FCI SERIES NAME                           |          | 09-381             | 09-500             | 09-508             |
| PITCH (mm)                                |          | 3.81               | 5.00               | 5.08               |
| VOLTAGE RATING (VAC)                      |          | 300                | 300                | 300                |
| CURRENT RATING (A)                        |          | 6                  | 10                 | 10                 |
| APPLICABLE WIRE RANGE (AWG)               | 1-WIRE   | 16~26              | 14~24              | 14~24              |
|   | 2-WIRE   | NA                 | NA                 | NA                 |
| WIRE CROSS SECTION (mm <sup>2</sup> )     | SOLID    | 1-WIRE             | 1.0                | 1.5                |
|   |          | 2-WIRE             | NA                 | NA                 |
|   | STRANDED | 1-WIRE             | 1.0                | 1.5                |
|   |          | 2-WIRE             | NA                 | NA                 |
| OPENING CONTACT HOUSING(mm <sup>2</sup> ) |          | 1.7x1.7            | 2.4x2.4            | 2.4x2.4            |
| WIRE STRIP LENGTH(mm)                     |          | 9~10               | 9~10               | 9~10               |
| WITHSTANDING VOLTAGE (kV)                 |          | 1.6                | 1.6                | 1.6                |
| OPERATING TEMP. (°C)                      |          | -40~+115           | -40~+115           | -40~+115           |
| SOLDERING TEMP. (°C)                      |          | 250±10<br>(5 sec.) | 250±10<br>(5 sec.) | 250±10<br>(5 sec.) |
| POLES AVAILABLE                           |          | 02~24              | 02~24              | 02~24              |
| SAFETY CERTIFICATE                        |          |                    |                    |                    |

NOTES:

- MATERIALS
  - 1-1 TERMINAL BODY: THERMALPLASTIC RESIN, UL 94V-0 RATED.
  - 1-2 TERMINAL COVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
  - 1-3 TERMINAL LEVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
  - 1-5 TERMINAL: COPPER ALLOY, TIN PLATED.
  - 1-6 SPRING CLAMP: STAINLESS STEEL.
- PRODUCT SPECIFICATION REFER TO FCI GS-12-625.
- PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.
- FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT SURFACE.
- THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

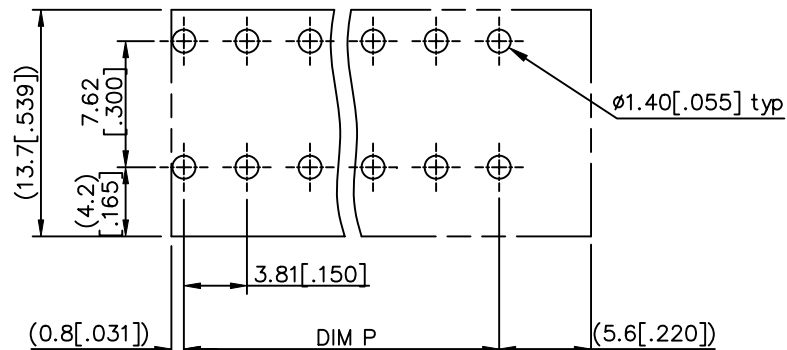
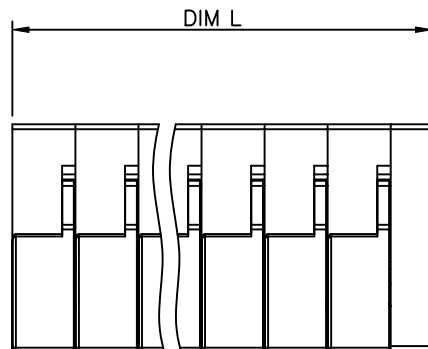
|             |          |                      |    |                      |   |                                       |   |   |  |
|-------------|----------|----------------------|----|----------------------|---|---------------------------------------|---|---|--|
| mat'l. code |          | surface ASME Y14.5 ✓ |    | tolerance ASME Y14.5 |   | projection                            |   | product family                            |  |
| ltr         |          | ecn no               | dr | date                 |   | tolerances unless otherwise specified |   | TERMINAL BLOCK                            |  |
| A           | T10-0191 | WL                   |    | 122010               |   | X.±0.5                                |   | title                                     |  |
| B           | T11-0012 | WL                   |    | 021711               |   | X.X±0.3                               |   | TERMINAL BLOCK                            |  |
| C           | T-005281 | WL                   |    | 082311               |   | X'±1"                                 |   | FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET |  |
|             |          |                      |    | dr                   |   | WENDY CHEN                            |   | 110910                                    |  |
|             |          |                      |    | enr                  |   | JASON HSU                             |   | 110910                                    |  |
|             |          |                      |    | chr                  |   | JASON HSU                             |   | 110910                                    |  |
|             |          |                      |    | appd                 |   | JASON HSU                             |   | 110910                                    |  |
| sheet index |          | revision             | C  | C                    | C | C                                     | C | type                                      |  |
|             |          | sheet                | 1  | 2                    | 3 | 4                                     |   | CUSTOMER Drawing                          |  |



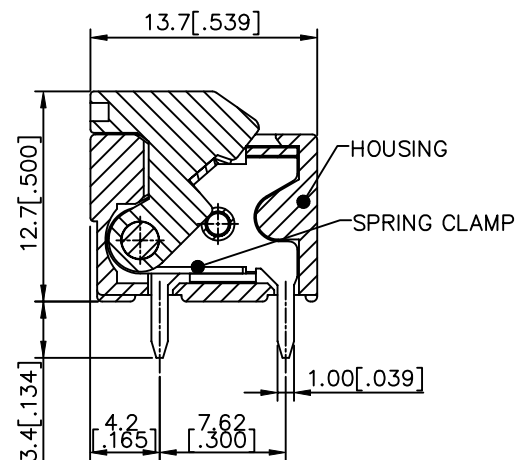
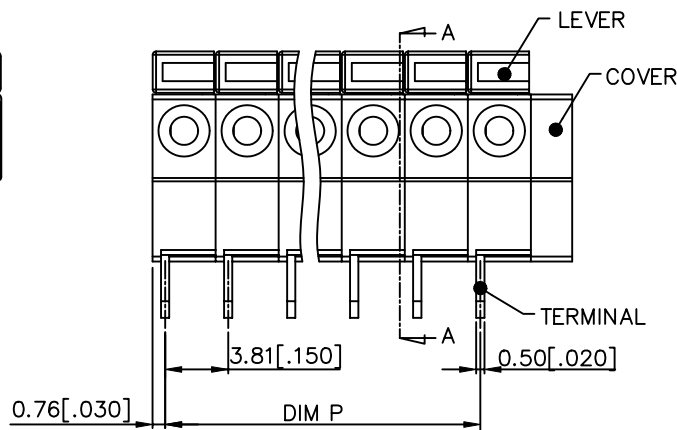
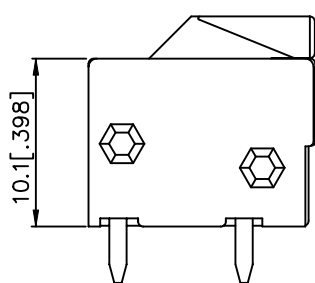
|                   |             |         |
|-------------------|-------------|---------|
| PRODUCT NUMBER    | SERIES NAME | PITCH   |
| 20020303-DXXXXXLf | 09-381      | 3.81 mm |

N = Number of poles  
 Dim L =  $N \times 3.81 [ .150 ] + 2.5 [ .098 ]$   
 Dim P =  $(N - 1) \times 3.81 [ .150 ]$

| POLES  | Dim L               | Dim P               |
|--------|---------------------|---------------------|
| 2-6P   | $\pm 0.15 [ .006 ]$ | $\pm 0.10 [ .004 ]$ |
| 7-12P  | $\pm 0.20 [ .008 ]$ | $\pm 0.20 [ .008 ]$ |
| 13-18P | $\pm 0.30 [ .012 ]$ | $\pm 0.25 [ .010 ]$ |
| 19-24P | $\pm 0.40 [ .016 ]$ | $\pm 0.30 [ .012 ]$ |



P.C.B. LAYOUT



SEC. A-A

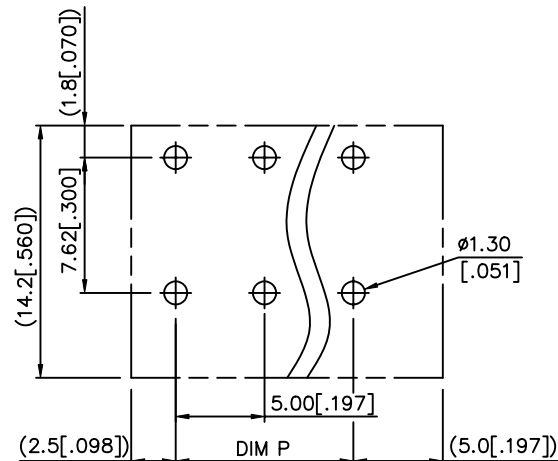
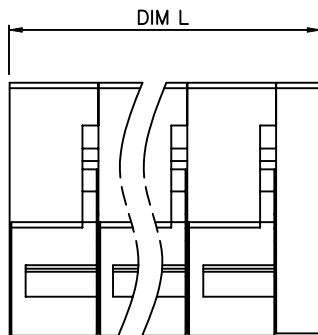
|             |                |                       |                         |                                       |   |                  |
|-------------|----------------|-----------------------|-------------------------|---------------------------------------|---|------------------|
| mat'l. code |                | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection                            | product family<br>TERMINAL BLOCK                            |                  |
| ltr         | ecn no dr      | date                  |                         | tolerances unless otherwise specified | title   |                  |
| c           |                | angles                | $X \pm 0.5$             | MM                                    | TERMINAL BLOCK<br>FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET |                  |
|             |                | inlet                 | $X.X \pm 0.3$           | [INCH]                                |   |                  |
|             |                | $X \pm 1^\circ$       | $X.XX \pm 0.1$          | scale                                 | dwg no  |                  |
|             |                | dr                    | WENDY CHEN 110910       |                                       | sheet 2 of 4 size   |                  |
|             |                | enr                   | JASON HSU 110910        |                                       | 20020303  | A4               |
|             |                | chr                   | JASON HSU 110910        |                                       | type  | CUSTOMER Drawing |
|             |                | appd                  | JASON HSU 110910        |                                       |   |                  |
| sheet index | revision sheet |                       |                         |                                       |   |                  |



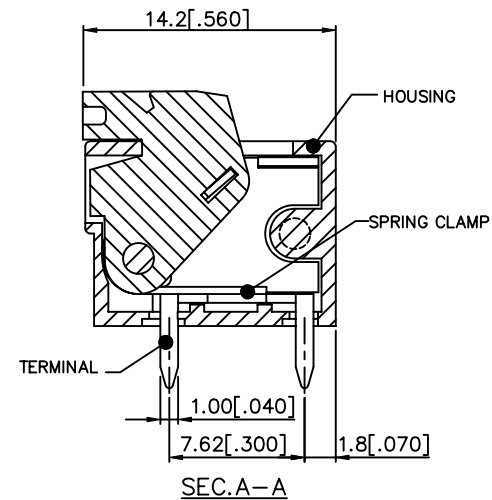
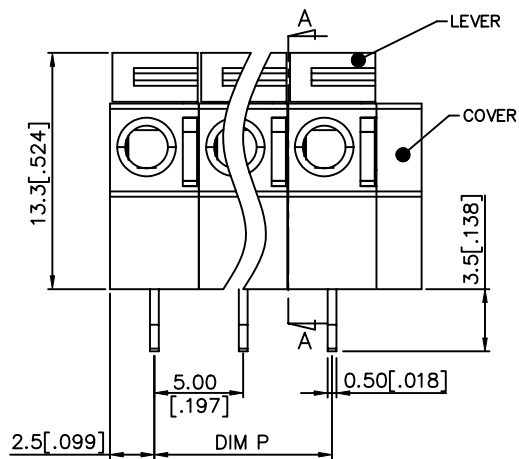
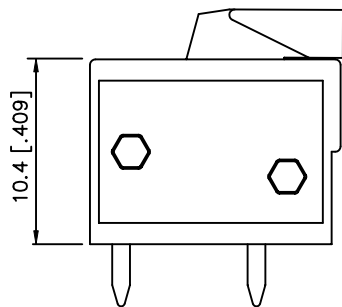
|                    |             |         |
|--------------------|-------------|---------|
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
| 20020303-GXXXXXXLF | 09-500      | 5.00 mm |

N = Number of poles  
 Dim L =  $N \times 5.0[.197] + 2.54[.100]$   
 Dim P =  $(N-1) \times 5.0[.197]$

| POLES  | Dim L            | Dim P            |
|--------|------------------|------------------|
| 2-6p   | $\pm 0.15[.006]$ | $\pm 0.10[.004]$ |
| 7-12p  | $\pm 0.20[.008]$ | $\pm 0.20[.008]$ |
| 13-18p | $\pm 0.30[.012]$ | $\pm 0.25[.010]$ |
| 19-24p | $\pm 0.40[.016]$ | $\pm 0.30[.012]$ |



P.C.B. LAYOUT



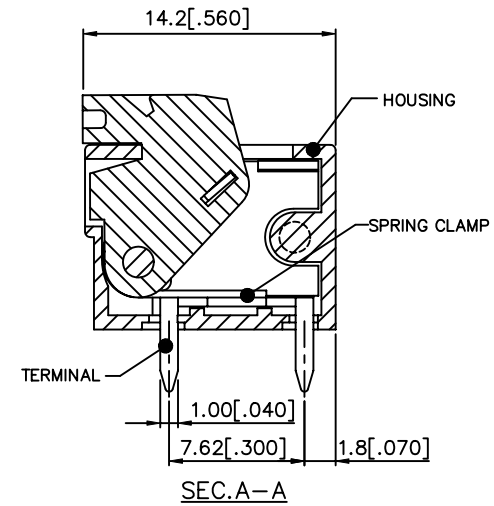
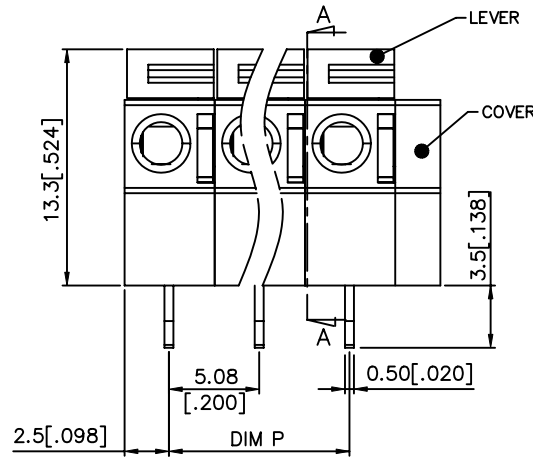
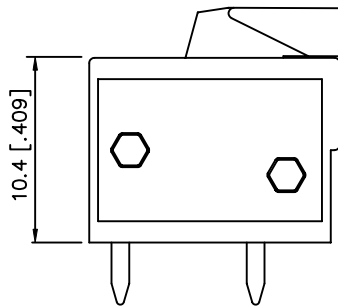
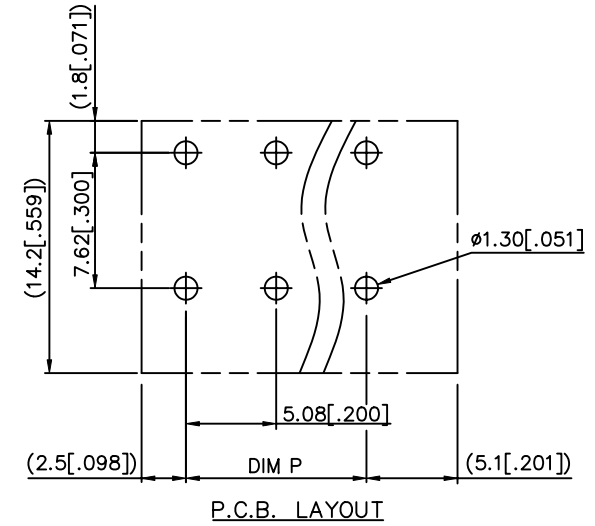
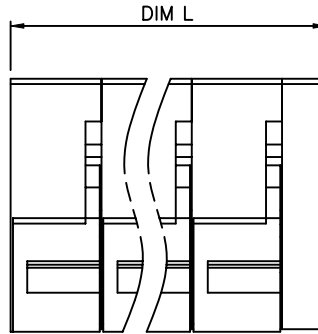
SEC. A-A

|             |                |                       |                         |  |  |
|-------------|----------------|-----------------------|-------------------------|--|--|
| mat'l. code |                | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection<br>   | product family<br>TERMINAL BLOCK                 |
| ltr         | ecn no         | dr                    | date                    | title<br>TERMINAL BLOCK<br>FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET |  |
| c           |                | angles                | $X \pm 0.5$             | MM<br>[INCH]   | dwg no<br>20020303<br>sheet 3 of 4<br>size<br>A4 |
|             |                | $X \pm 1^\circ$       | $X.X \pm 0.3$           | scale  |  |
|             |                | dr                    | WENDY CHEN 110910       |  | type<br>CUSTOMER Drawing                         |
|             |                | enr                   | JASON HSU 110910        |  |  |
|             |                | chr                   | JASON HSU 110910        |  |  |
|             |                | appd                  | JASON HSU 110910        |  |  |
| sheet index | revision sheet |                       |                         |  |  |

|                    |             |         |
|--------------------|-------------|---------|
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
| 20020303-HXXXXXXLF | 09-508      | 5.08 mm |

N = Number of poles  
 Dim L =  $N \times 5.08 [ .200 ] + 2.54 [ .100 ]$   
 Dim P =  $(N - 1) \times 5.08 [ .200 ]$

| POLES  | Dim L               | Dim P               |
|--------|---------------------|---------------------|
| 2-6p   | $\pm 0.15 [ .006 ]$ | $\pm 0.10 [ .004 ]$ |
| 7-12p  | $\pm 0.20 [ .008 ]$ | $\pm 0.20 [ .008 ]$ |
| 13-18p | $\pm 0.30 [ .012 ]$ | $\pm 0.25 [ .010 ]$ |
| 19-24p | $\pm 0.40 [ .016 ]$ | $\pm 0.30 [ .012 ]$ |



|                                       |                       |                         |                |   |
|---------------------------------------|-----------------------|-------------------------|----------------|---|
| mat'l. code                           | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection<br> | product family<br>TERMINAL BLOCK                            |
| ltr                                   | ecn no                | dr                      | date           | title   |
| tolerances unless otherwise specified |                       |                         |                | TERMINAL BLOCK<br>FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET |
| angles                                |                       | $X \pm 0.5$             | MM             |   |
| X°±1'                                 |                       | $X.X \pm 0.3$           | INCH           |   |
|                                       |                       | $X.XX \pm 0.1$          | scale          | dwg no  |
| dr                                    |                       | WENDY CHEN              | 110910         | sheet 4 of 4 size   |
| enr                                   |                       | JASON HSU               | 110910         | 20020303  |
| chr                                   |                       | JASON HSU               | 110910         |   |
| appd                                  |                       | JASON HSU               | 110910         | A4  |
| sheet index                           |                       | revision sheet          |                | type<br>CUSTOMER Drawing                                    |

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