

PRODUCT NUMBER

20020036-XXXXXXLF

20020036 — ☐ ☐ ☐ ☐ B 0 ☐ L F

PITCH

C: 3.50 mm  
D: 3.81 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

PROPERTY TABLE

| PROPERTY TABLE                            |  |          |          |          |       |     |
|-------------------------------------------|--|----------|----------|----------|-------|-----|
| FCI SERIES NAME                           |  | 35-350   | 35-381   | 35-508   |       |     |
| PITCH (mm)                                |  | 3.50     | 3.81     | 5.08     |       |     |
| VOLTAGE RATING (VAC)                      |  | 300      | 300      | 300      |       |     |
| CURRENT RATING (A)                        |  | 8        | 8        | 10       |       |     |
| APPLICABLE WIRE RANGE (AWG)               |  | 1-WIRE   | 16~28    | 16~28    | 12~26 |     |
|                                           |  | 2-WIRE   | NA       | NA       | NA    |     |
| WIRE CROSS SECTION<br>(mm <sup>2</sup> )  |  | SOLID    | 1-WIRE   | 1.5      | 1.5   | 2.5 |
|                                           |  |          | 2-WIRE   | NA       | NA    | NA  |
|                                           |  | STRANDED | 1-WIRE   | 1.5      | 1.5   | 2.5 |
|                                           |  |          | 2-WIRE   | NA       | NA    | NA  |
| OPENING CONTACT HOUSING(mm <sup>2</sup> ) |  | 1.6x1.6  | 2.4x1.7  | 2.2x2.7  |       |     |
| WIRE STRIP LENGTH(mm)                     |  | 8~9      | 8~9      | 9~10     |       |     |
| WITHSTANDING VOLTAGE (kV)                 |  | 1.6      | 1.6      | 1.6      |       |     |
| OPERATING TEMP. (°C)                      |  | -40~+115 | -40~+115 | -40~+115 |       |     |
| POLES AVAILABLE                           |  | 02~24    | 02~24    | 02~24    |       |     |
| SAFETY CERTIFICATE                        |  | cRUus    |          | cRUus    |       |     |

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 |

## NOTES:

## 1. MATERIALS

- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 INSULATING LEVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-3 WIRE GUARD : STAINLESS STEEL.
- 1-4 TERMINAL: COPPER ALLOY, TIN PLATED.
- 1-5 SCREW: STEEL, ZINC PLATED.
2. PRODUCT SPECIFICATION REFER TO FCI GS-12-625.
3. PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.
4. FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT SURFACE.
5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

| mat'l. code |          |    |        | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection                                                                            | product family                                     |
|-------------|----------|----|--------|---------------------------------------|-------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------|
|             |          |    |        | tolerances unless otherwise specified |                         |  | TERMINAL BLOCK                                     |
| ltr         | ecn no   | dr | date   | angles                                | tolerance               | MM<br>[INCH]                                                                          | title                                              |
| A           | T11-0004 | WL | 011811 | X±1°                                  | X.±0.5                  | scale                                                                                 | TERMINAL BLOCK                                     |
| B           | T-005306 | WL | 082311 |                                       | X.X±0.3                 |                                                                                       | PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT W/FLANGE |
|             |          |    |        | dr                                    | WENDY CHEN              | 122210                                                                                | dwg no                                             |
|             |          |    |        | enr                                   | JASON HSU               | 122210                                                                                | sheet 1 of 4                                       |
|             |          |    |        | chr                                   | JASON HSU               | 122210                                                                                | size                                               |
|             |          |    |        | appd                                  | JASON HSU               | 122210                                                                                | A4                                                 |
| sheet index | revision | B  | B      | B                                     | B                       |                                                                                       | type                                               |
|             | sheet    | 1  | 2      | 3                                     | 4                       |                                                                                       | CUSTOMER Drawing                                   |



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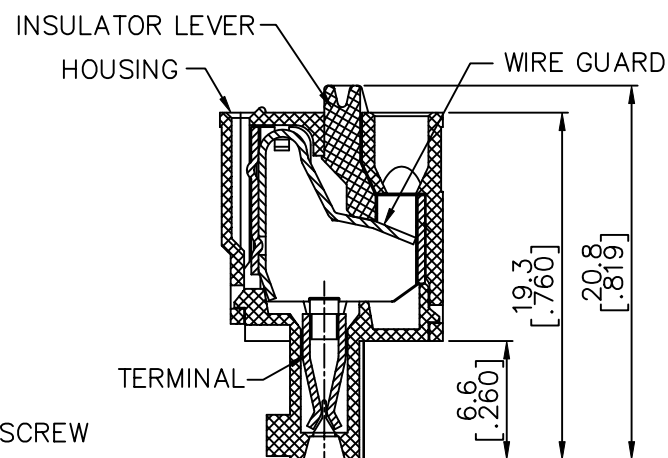
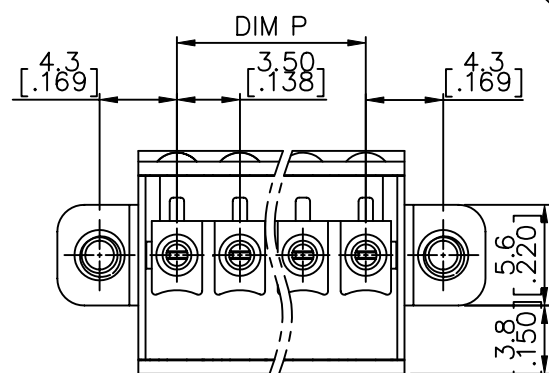
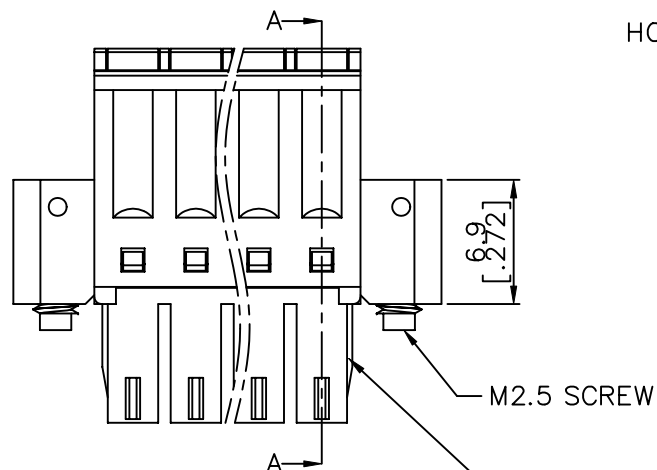
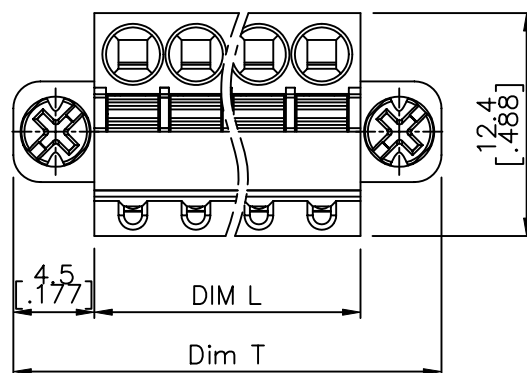


1 2

3

4

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020036-CXXXXXXLF | 35-350      | 3.50 mm |



SECTION A-A

2P~6P Ribs on both sides  
7P~24P No rib

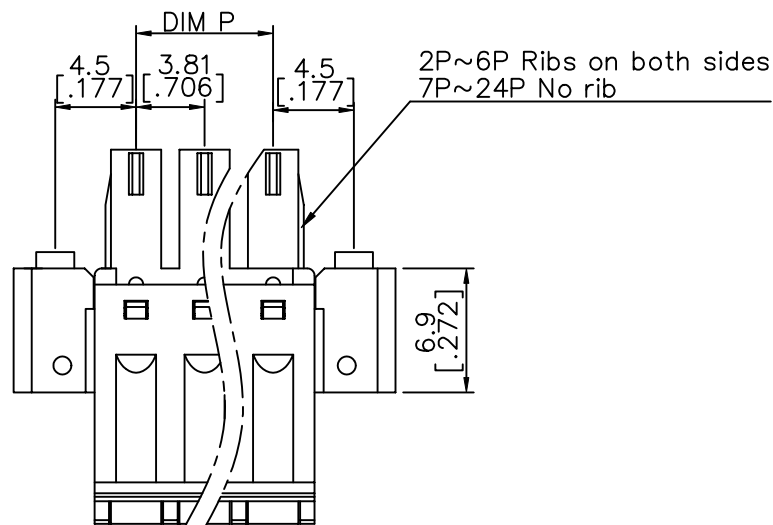
N = Number of poles  
DIM. L =  $(N \times 3.5 [.138]) + 0.8 [.031]$   
DIM. P =  $(N - 1) \times 3.5 [.138]$   
DIM. T =  $N \times 3.5 [.138] + 9.8 [.386]$

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

|                |                   |    |    |                                       |                                |                          |                                                                         |
|----------------|-------------------|----|----|---------------------------------------|--------------------------------|--------------------------|-------------------------------------------------------------------------|
| mat'l. code    |                   |    |    | surface<br>ASME Y14.5 ✓               | tolerance<br>ASME Y14.5        | projection<br>MM<br>INCH | product family<br>TERMINAL BLOCK                                        |
| ltr            | ecn               | no | dr | date                                  |                                |                          | title                                                                   |
| B              |                   |    |    | tolerances unless otherwise specified |                                |                          | TERMINAL BLOCK<br>PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT<br>W/FLANGE |
|                |                   |    |    | angles<br>X°±1°                       | X.X±0.5<br>X.X±0.3<br>X.XX±0.1 | scale                    | dwg no                                                                  |
|                |                   |    |    | dr                                    | WENDY CHEN                     | 122210                   | sheet 2 of 4                                                            |
|                |                   |    |    | enr                                   | JASON HSU                      | 122210                   | size                                                                    |
|                |                   |    |    | chr                                   | JASON HSU                      | 122210                   | A4                                                                      |
|                |                   |    |    | appd                                  | JASON HSU                      | 122210                   | type                                                                    |
| sheet<br>index | revision<br>sheet |    |    |                                       |                                |                          | CUSTOMER Drawing                                                        |

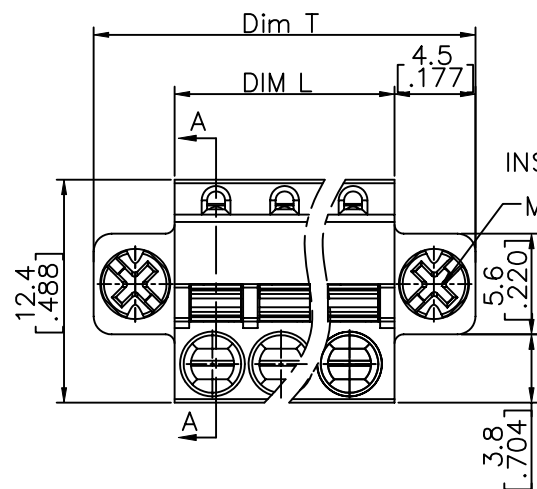


| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020036-DXXXXXXLF | 35-381      | 3.81 mm |

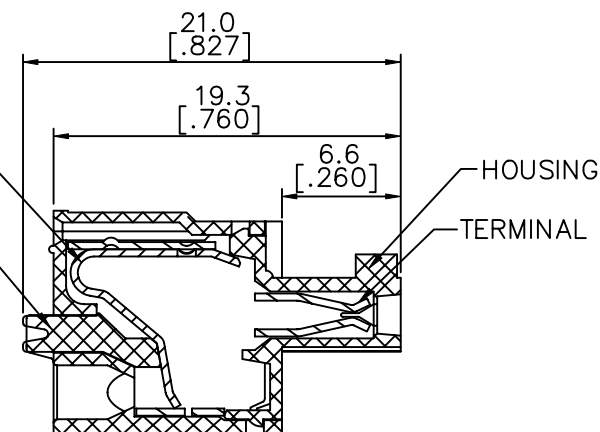


N = Number of poles  
DIM. L =  $(N \times 3.81 [.150]) + 0.8 [.031]$   
DIM. P =  $(N - 1) \times 3.81 [.150]$   
DIM. T =  $N \times 3.81 [.150] + 9.8 [.386]$

| POLES  | DIM. L & P        | DIM. T            |
|--------|-------------------|-------------------|
| 2-6p   | $\pm 0.15 [.006]$ | $\pm 0.15 [.006]$ |
| 7-12p  | $\pm 0.20 [.008]$ | $\pm 0.20 [.008]$ |
| 13-18p | $\pm 0.30 [.012]$ | $\pm 0.30 [.012]$ |
| 19-24p | $\pm 0.40 [.016]$ | $\pm 0.40 [.016]$ |



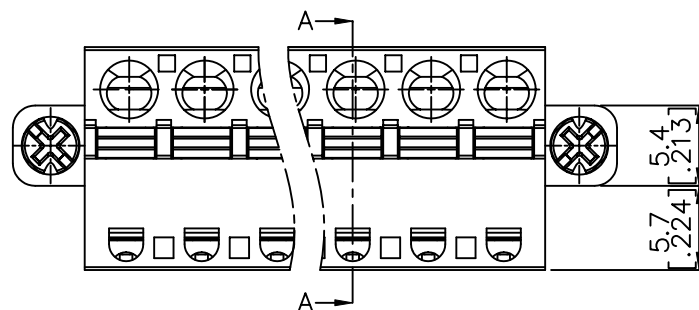
WIRE GUARD  
INSULATOR LEVER  
M2.5 SCREW



SECTION A-A

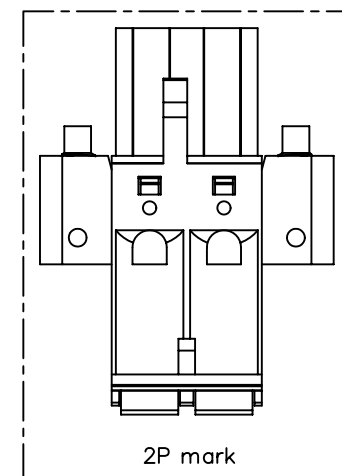
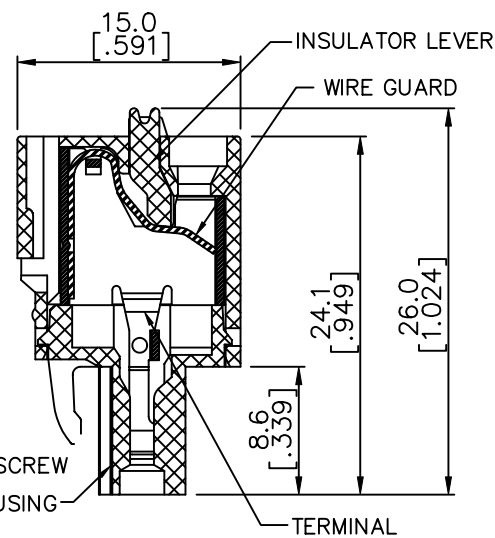
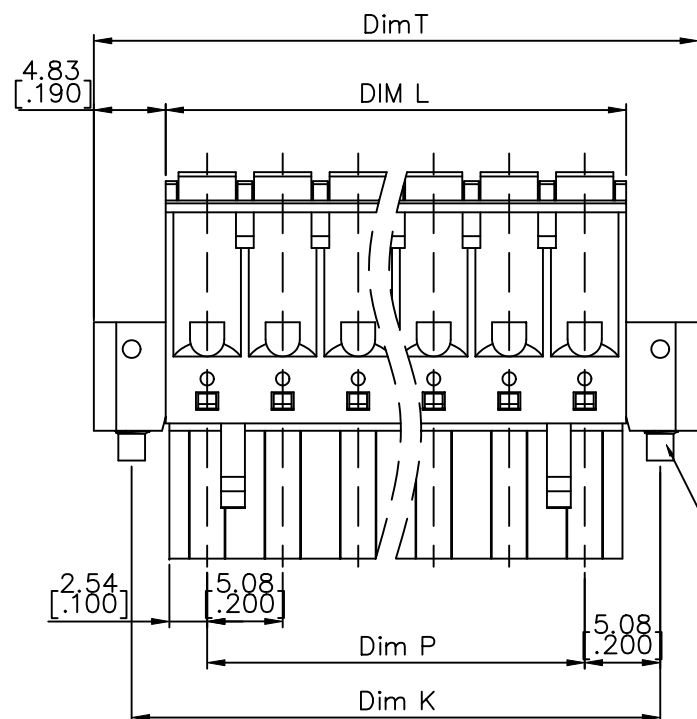
|             |                |      |      |                                       |        |                         |  |                |  |                                           |  |              |  |      |
|-------------|----------------|------|------|---------------------------------------|--------|-------------------------|--|----------------|--|-------------------------------------------|--|--------------|--|------|
| 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 | tolerances unless otherwise specified |        |                         |  |                |  | title                                     |  |              |  |      |
| B           |                |      |      | angles                                |        | X.±0.5                  |  | MM             |  | TERMINAL BLOCK                            |  |              |  |      |
|             |                |      |      | X.X±0.3                               |        | [INCH]                  |  |                |  | PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT |  |              |  |      |
|             |                |      |      | X*±1°                                 |        | X.XX±0.1                |  | scale          |  | W/FLANGE                                  |  |              |  |      |
|             |                | dr   |      | WENDY CHEN                            | 122210 |                         |  |                |  | dwg no                                    |  | sheet 3 of 4 |  | size |
|             |                | enr  |      | JASON HSU                             | 122210 |                         |  |                |  | 20020036                                  |  |              |  | A4   |
|             |                | chr  |      | JASON HSU                             | 122210 |                         |  |                |  |                                           |  |              |  |      |
|             |                | appd |      | JASON HSU                             | 122210 |                         |  |                |  |                                           |  |              |  |      |
| sheet index | revision sheet |      |      |                                       |        |                         |  |                |  |                                           |  |              |  |      |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020036-HXXXXXXLF | 35-508      | 5.08 mm |



N = Number of poles  
 DIM. L =  $(N \times 5.08 [.200]) + 0.5 [.020]$   
 DIM. P =  $(N - 1) \times 5.08 [.200]$   
 DIM. T =  $N \times 5.08 [.200] + 10.16 [.400]$   
 DIM. K =  $(N + 1) \times 5.08 [.200]$

| POLES  | Dim.L & P & T & K |
|--------|-------------------|
| 2-6p   | $\pm 0.15 [.006]$ |
| 7-12p  | $\pm 0.20 [.008]$ |
| 13-16p | $\pm 0.30 [.012]$ |
| 17-24p | $\pm 0.40 [.016]$ |



|             |          |       |    |                       |                                                |                  |                                  |                                                                         |
|-------------|----------|-------|----|-----------------------|------------------------------------------------|------------------|----------------------------------|-------------------------------------------------------------------------|
| mat'l. code |          |       |    | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5                        | projection<br>MM | product family<br>TERMINAL BLOCK |                                                                         |
| ltr         | ecn      | no    | dr | date                  |                                                |                  |                                  | title                                                                   |
| B           |          |       |    |                       |                                                |                  |                                  | TERMINAL BLOCK<br>PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT<br>W/FLANGE |
|             |          |       |    | angles                | $X \pm 0.5$<br>$X.X \pm 0.3$<br>$X.XX \pm 0.1$ | scale            | dwg no                           | sheet 4 of 4 size                                                       |
|             |          |       |    | dr                    | WENDY CHEN                                     | 122210           | 20020036                         | A4                                                                      |
|             |          |       |    | enr                   | JASON HSU                                      | 122210           |                                  |                                                                         |
|             |          |       |    | chr                   | JASON HSU                                      | 122210           |                                  |                                                                         |
|             |          |       |    | appd                  | JASON HSU                                      | 122210           |                                  |                                                                         |
| sheet index | revision | sheet |    |                       |                                                |                  | type                             | CUSTOMER Drawing                                                        |