



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                        |          |  us |          |  us |     |

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                                     |
|-------------|----------|----|--------|---------------------------------------|-------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------|
| litr        |          |    |        | tolerances unless otherwise specified |                         |  | TERMINAL BLOCK                                     |
| A           | T11-0004 | WL | 011811 | angles                                | X.±0.5                  | MM                                                                                    | title                                              |
| B           | T-005306 | WL | 082311 | to 1°                                 | X.X±0.3                 | [INCH]                                                                                | TERMINAL BLOCK                                     |
|             |          |    |        | X'±1°                                 | X.XX±0.1                | scale                                                                                 | 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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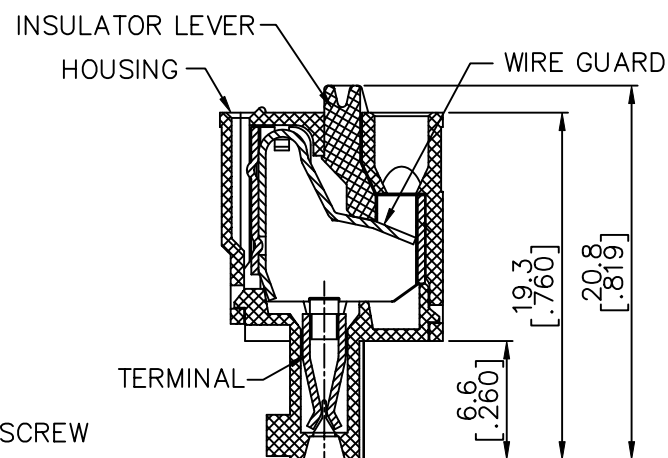
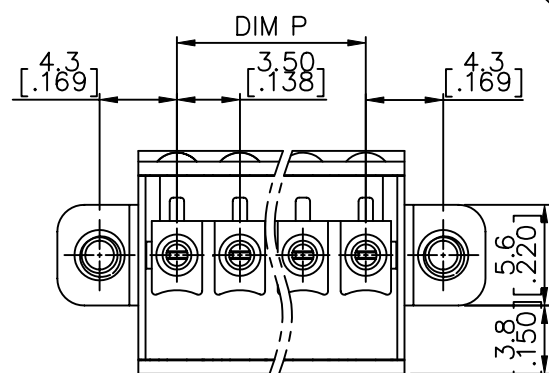
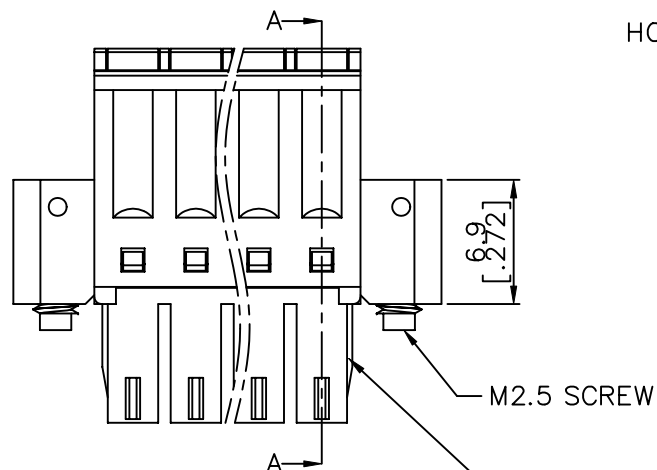
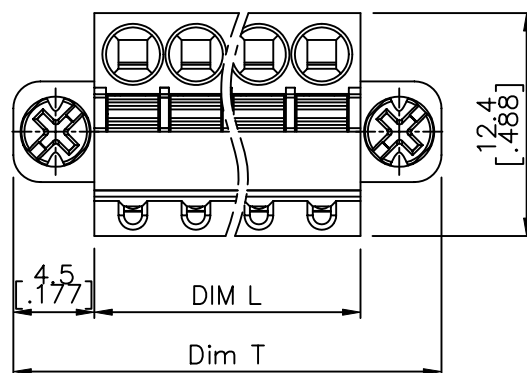


1 2

3

4

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



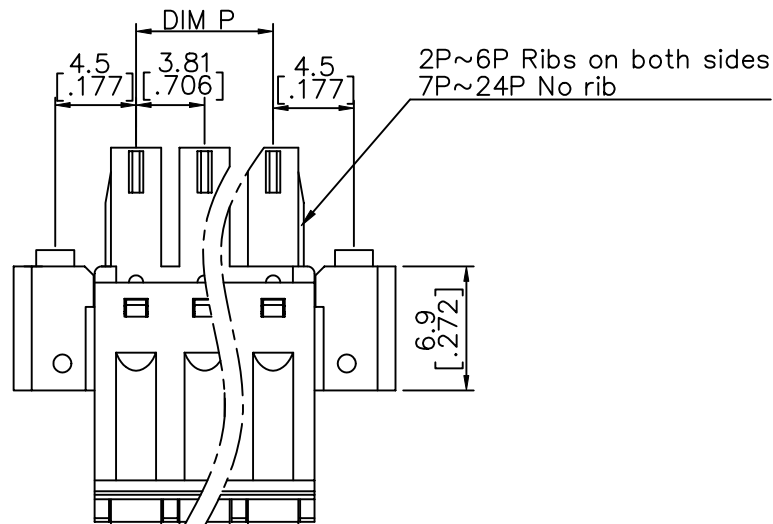
SECTION A-A

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> |  | product family<br>TERMINAL BLOCK |  |        |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |
| ltr         |  | ecn no         |  | dr                      |  | date                    |  | tolerances unless otherwise specified                                                               |  |                                  |  |        |  |                                                                                       |  |                                                                         |  | title |  |  |  |  |  |  |  |              |  |      |  |
| B           |  |                |  |                         |  |                         |  | angles                                                                                              |  | lineal                           |  | X.±0.5 |  |  |  | TERMINAL BLOCK<br>PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT<br>W/FLANGE |  |       |  |  |  |  |  |  |  |              |  |      |  |
|             |  |                |  |                         |  |                         |  | X.X±0.3                                                                                             |  |                                  |  |        |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |
|             |  |                |  |                         |  |                         |  | X*±1°                                                                                               |  | X.XX±0.1                         |  |        |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |
|             |  |                |  |                         |  |                         |  | dr                                                                                                  |  | WENDY CHEN                       |  | 122210 |  |  |  | dwg no                                                                  |  |       |  |  |  |  |  |  |  | sheet 2 of 4 |  | size |  |
|             |  |                |  |                         |  |                         |  | engr                                                                                                |  | JASON HSU                        |  | 122210 |  |                                                                                       |  | 20020036                                                                |  |       |  |  |  |  |  |  |  | A.           |  |      |  |
|             |  |                |  |                         |  |                         |  | chr                                                                                                 |  | JASON HSU                        |  | 122210 |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |
|             |  |                |  |                         |  |                         |  | appd                                                                                                |  | JASON HSU                        |  | 122210 |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |
| sheet index |  | revision sheet |  |                         |  |                         |  |                                                                                                     |  |                                  |  |        |  |                                                                                       |  |                                                                         |  |       |  |  |  |  |  |  |  |              |  |      |  |

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



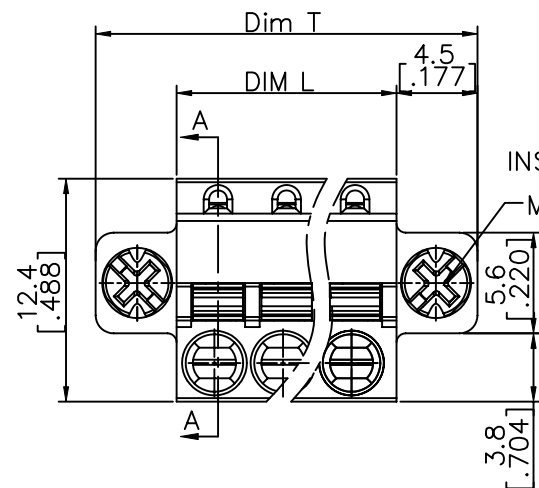
N = Number of poles

$$\text{DIM. L} = (N \times 3.81 [.150]) + 0.8 [.031]$$

$$\text{DIM. P} = (N-1) \times 3.81 [ .150 ]$$

$$\text{DIM. T} = \text{N} \times 3.81[.150] + 9.8[.386]$$

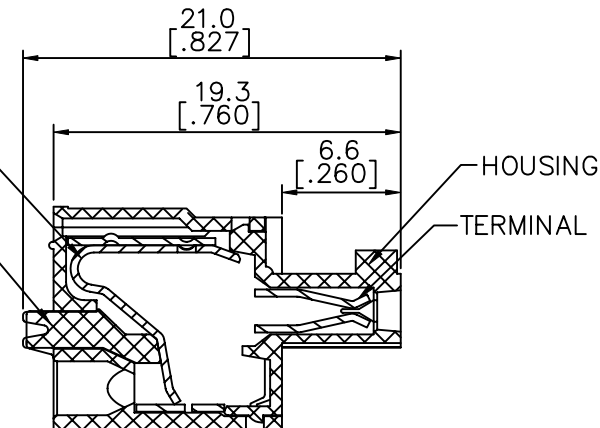
| POLES  | DIM. L & P       | DIM. T           |
|--------|------------------|------------------|
| 2-6p   | $\pm 0.15[.006]$ | $\pm 0.15[.006]$ |
| 7-12p  | $\pm 0.20[.008]$ | $\pm 0.20[.008]$ |
| 13-18p | $\pm 0.30[.012]$ | $\pm 0.30[.012]$ |
| 19-24p | $\pm 0.40[.016]$ | $\pm 0.40[.016]$ |



WIRE GUARD

INSULATOR LEVER

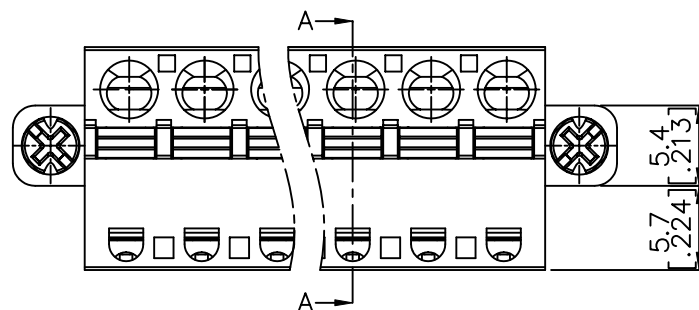
-M2.5 SCREW



SECTION A-A

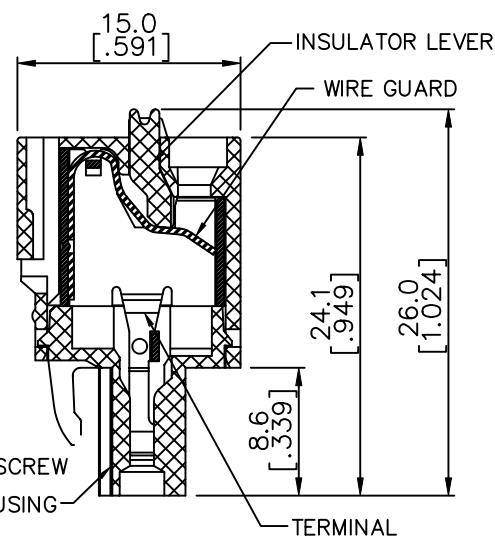
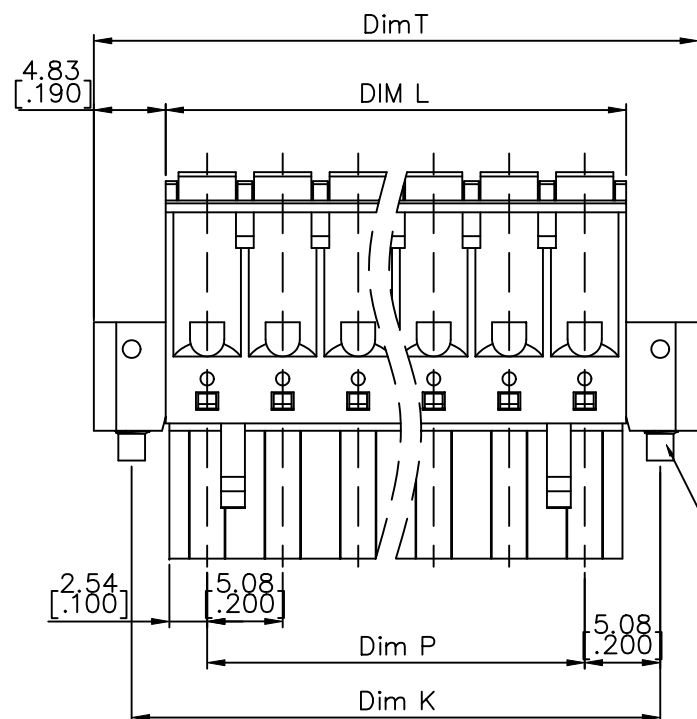
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| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020036-HXXXXXL | 35-508      | 5.08 mm |

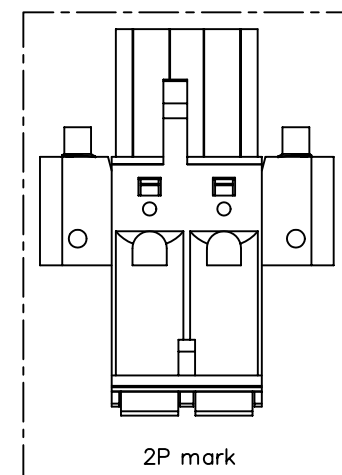


N = Number of poles  
 DIM. L =  $(N \times 5.08 [0.200]) + 0.5 [0.020]$   
 DIM. P =  $(N - 1) \times 5.08 [0.200]$   
 DIM. T =  $N \times 5.08 [0.200] + 10.16 [0.400]$   
 DIM. K =  $(N + 1) \times 5.08 [0.200]$

| POLES  | Dim.L & P & T & K  |
|--------|--------------------|
| 2-6p   | $\pm 0.15 [0.006]$ |
| 7-12p  | $\pm 0.20 [0.008]$ |
| 13-16p | $\pm 0.30 [0.012]$ |
| 17-24p | $\pm 0.40 [0.016]$ |



SECTION A-A



|             |                |    |      |                                       |                         |                  |                                                                         |       |
|-------------|----------------|----|------|---------------------------------------|-------------------------|------------------|-------------------------------------------------------------------------|-------|
| 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 | tolerances unless otherwise specified |                         |                  |                                                                         | title |
| B           |                |    |      | angles                                | $X \pm 0.5$             | MM               | TERMINAL BLOCK<br>PLUGGABLE SIGNAL PLUG, MIDDLESIDE CONTACT<br>W/FLANGE |       |
|             |                |    |      | linear                                | $X.X \pm 0.3$           |                  |                                                                         |       |
|             |                |    |      | $X^\circ \pm 1^\circ$                 | $X.XX \pm 0.1$          | scale            | dwg no                                                                  |       |
|             |                |    |      | dr                                    | WENDY CHEN              | 122210           | sheet 4 of 4                                                            |       |
|             |                |    |      | enr                                   | JASON HSU               | 122210           | 20020036                                                                |       |
|             |                |    |      | chr                                   | JASON HSU               | 122210           | A4                                                                      |       |
|             |                |    |      | appd                                  | JASON HSU               | 122210           | type                                                                    |       |
|             |                |    |      |                                       |                         |                  | CUSTOMER Drawing                                                        |       |
| sheet index | revision sheet |    |      |                                       |                         |                  |                                                                         |       |