

PRODUCT NUMBER

20020003-XXXXXXLF

20020003-□□□□□○□LF

PITCH

G: 5.00mm  
H: 5.08mm

POLES

02: 2 POLES  
03: 3 POLES  
04: 4 POLES

24: 24 POLES

LF : DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT  
W/ BOX PACKING

SCREW CODE

| CODE | SCREW TYPE                                                                              | AVAILABILITY    |
|------|-----------------------------------------------------------------------------------------|-----------------|
| A    | -/+  | ON REQUEST ONLY |
| B    | -    | STANDARD        |

ALL FLANGE SCREWS ARE ONLY AVAILABLE IN +/-  
COMBINATION SCREW TYPES.

PROPERTY TABLE

|                                           |          |          |          |
|-------------------------------------------|----------|----------|----------|
| FCI SERIES NAME                           |          | 01-500   | 01-508   |
| PITCH (mm)                                |          | 5.00     | 5.08     |
| VOLTAGE RATING (VAC)                      |          | 300      | 300      |
| CURRENT RATING (A)                        |          | 12       | 12       |
| APPLICABLE WIRE RANGE (AWG)               |          | 1-WIRE   | 12~24    |
|                                           |          | 2-WIRE   | 18       |
| WIRE CROSS SECTION<br>(mm <sup>2</sup> )  | SOLID    | 1-WIRE   | 2.5      |
|                                           |          | 2-WIRE   | 1.0      |
|                                           | STRANDED | 1-WIRE   | 2.5      |
|                                           |          | 2-WIRE   | 1.5      |
| OPENING CONTACT HOUSING(mm <sup>2</sup> ) |          | 2.6x3.2  | 2.6x3.2  |
| WIRE STRIP LENGTH(mm)                     |          | 7~8      | 7~8      |
| TORQUE +/-10% (N-m/Lb-in)                 |          | 0.57/5.0 | 0.57/5.0 |
| SCREW                                     |          | M3x0.5   | M3x0.5   |
| WITHSTANDING VOLTAGE (kV)                 |          | 1.6      | 1.6      |
| OPERATING TEMP. (°C)                      |          | -40~+115 | -40~+115 |
| POLES AVAILABLE                           |          | 02~24    | 02~24    |

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 SCREW AND FLANGE SCREW: STEEL, ZINC PLATED.

1-3 CLAMP: COPPER ALLOY, NICKEL PLATED.

1-4 TERMINAL: COPPER ALLOY, TIN PLATED.

## 2. PRODUCT SPECIFICATION REFER TO FCI GS-12-625.

## 3. BOXED PACKAGING,

DETAILED 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.

SAFETY CERTIFICATE



|             |                |    |        |                                       |                         |                                                                                                     |                                   |
|-------------|----------------|----|--------|---------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------|
| 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                             |
| A           | T10-0062       | WL | 050710 | angles                                | X.±0.5                  | MM                                                                                                  | TERMINAL BLOCK                    |
| B           | T10-0127       | WL | 080910 | to file                               | X.X±0.3                 | INCH                                                                                                | PLUGGABLE, PLUG, SIGNAL, W/FLANGE |
| C           | T10-0155       | WL | 093010 | X*±1"                                 | X.XX±0.1                | scale                                                                                               | CONTACT UP SIDE                   |
| D           | T10-0187       | WL | 121410 | dr                                    | WENDY CHEN              | 042310                                                                                              | dwg no                            |
|             |                |    |        | enrg                                  | JASON HSU               | 042310                                                                                              | sheet 1 of 3                      |
|             |                |    |        | chr                                   | GARY HSIEH              | 042310                                                                                              | size                              |
|             |                |    |        | appd                                  | JOSEPH HSIA             | 042310                                                                                              | 20020003                          |
|             |                |    |        |                                       |                         |                                                                                                     | A4                                |
| sheet index | revision sheet | D  | D      | D                                     |                         |                                                                                                     | type                              |
|             |                | 1  | 2      | 3                                     |                         |                                                                                                     | CUSTOMER Drawing                  |

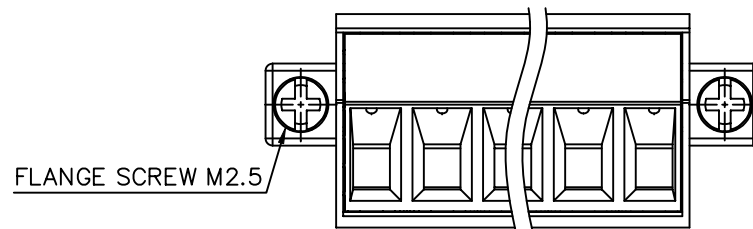
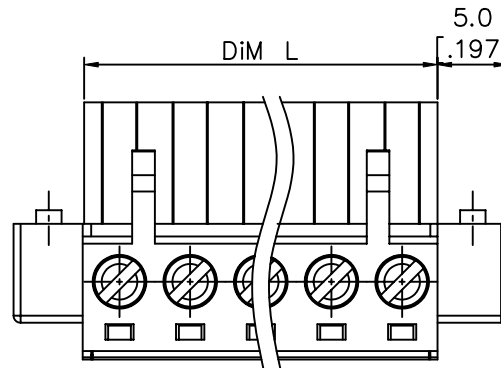
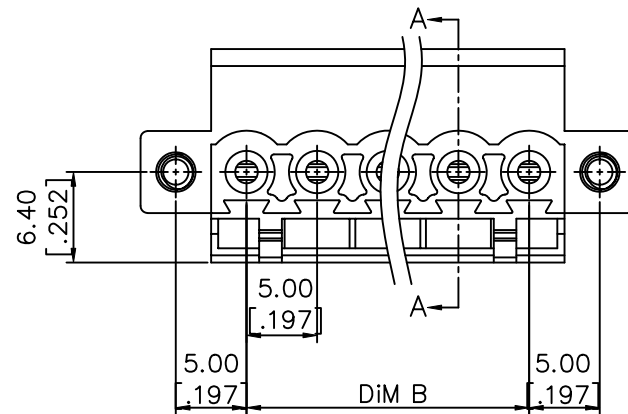


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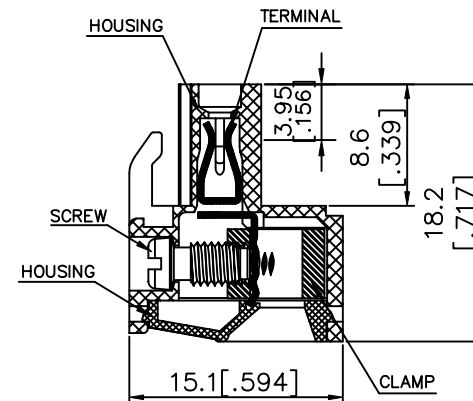
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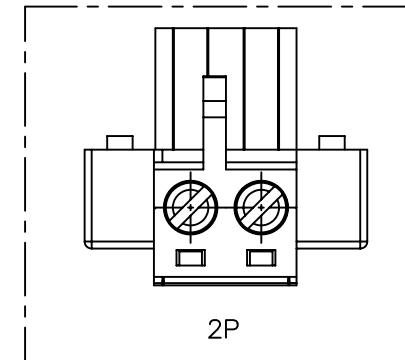
| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020003-GXXXXXL | 01-500      | 5.00 mm |



| Poles | 02               | 03               | 04               | 05               | 06               | 07               | 08                | 09                | 10                | 11                | 12                | 13               |
|-------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Dim L | 10.00<br>[.394]  | 15.00<br>[.591]  | 20.00<br>[.787]  | 25.00<br>[.984]  | 30.00<br>[1.181] | 35.00<br>[1.378] | 40.00<br>[1.575]  | 45.00<br>[1.772]  | 50.00<br>[1.969]  | 55.00<br>[2.165]  | 60.00<br>[2.362]  | 65.00<br>[2.559] |
| Dim B | 5.00<br>[.197]   | 10.00<br>[.394]  | 15.00<br>[.591]  | 20.00<br>[.787]  | 25.00<br>[.984]  | 30.00<br>[1.181] | 35.00<br>[1.378]  | 40.00<br>[1.575]  | 45.00<br>[1.772]  | 50.00<br>[1.969]  | 55.00<br>[2.165]  | 60.00<br>[2.362] |
| TOL   | ±0.15 [.006]     |                  |                  | ±0.20 [.008]     |                  |                  | ±0.25 [.010]      |                   |                   |                   |                   |                  |
| Poles | 14               | 15               | 16               | 17               | 18               | 19               | 20                | 21                | 22                | 23                | 24                |                  |
| Dim L | 70.00<br>[2.756] | 75.00<br>[2.953] | 80.00<br>[3.150] | 85.00<br>[3.346] | 90.00<br>[3.543] | 95.00<br>[3.740] | 100.00<br>[3.937] | 105.00<br>[4.134] | 110.00<br>[4.330] | 115.00<br>[4.528] | 120.00<br>[4.724] |                  |
| Dim B | 65.00<br>[.559]  | 70.00<br>[2.756] | 75.00<br>[2.953] | 80.00<br>[3.150] | 85.00<br>[3.346] | 90.00<br>[3.543] | 95.00<br>[3.740]  | 100.00<br>[3.937] | 105.00<br>[4.134] | 110.00<br>[4.330] | 115.00<br>[4.528] |                  |
| TOL   | ±0.25 [.010]     |                  |                  |                  | ±0.30 [.012]     |                  |                   |                   | ±0.40 [.016]      |                   |                   |                  |



SECTION A-A



|             |                |    |      |                                       |                                         |                          |                                                                                 |  |
|-------------|----------------|----|------|---------------------------------------|-----------------------------------------|--------------------------|---------------------------------------------------------------------------------|--|
| 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 | tolerances unless otherwise specified |                                         |                          | title<br>TERMINAL BLOCK<br>PLUGGABLE, PLUG, SIGNAL, W/FLANGE<br>CONTACT UP SIDE |  |
| D           |                |    |      | angles<br>X°±1°                       | linear<br>X.±0.5<br>X.X±0.3<br>X.XX±0.1 | scale                    | dwg no<br>20020003                                                              |  |
|             |                |    |      | dr                                    | WENDY CHEN                              | 042310                   | sheet 2 of 3                                                                    |  |
|             |                |    |      | enr                                   | JASON HSU                               | 042310                   | size<br>A4                                                                      |  |
|             |                |    |      | chr                                   | GARY HSIEH                              | 042310                   |                                                                                 |  |
|             |                |    |      | appd                                  | JOSEPH HSIA                             | 042310                   | type<br>CUSTOMER Drawing                                                        |  |
| sheet index | revision sheet |    |      |                                       |                                         |                          |                                                                                 |  |

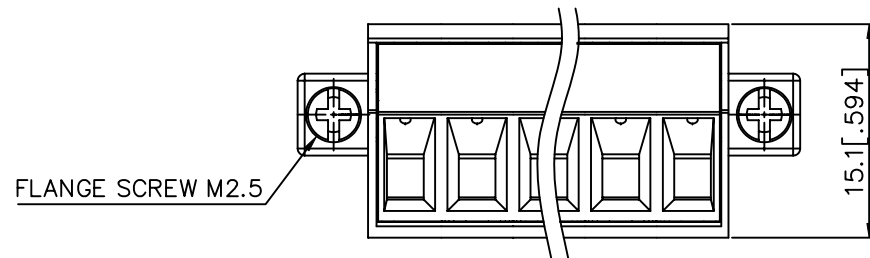
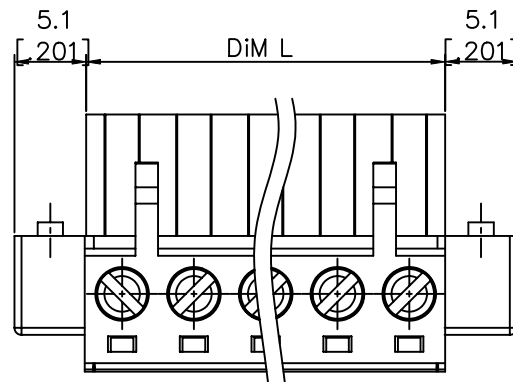
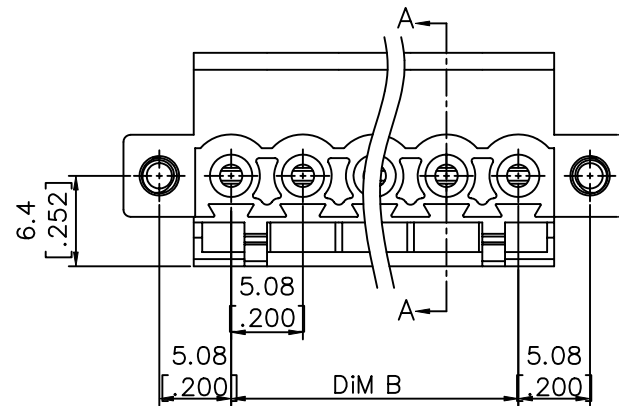


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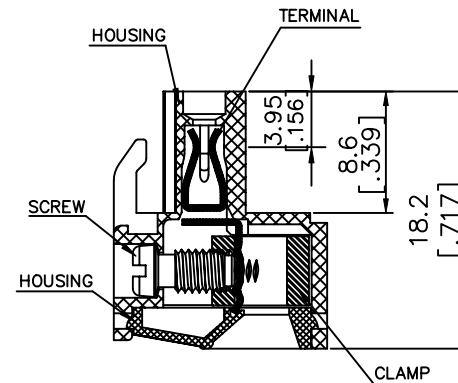
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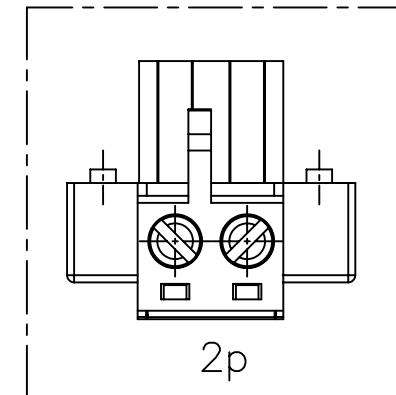
| PRODUCT NUMBER    | SERIES NAME | PITCH   |
|-------------------|-------------|---------|
| 20020003-HXXXXXLf | 01-508      | 5.08 mm |



| Poles | 02               | 03               | 04               | 05               | 06               | 07               | 08                | 09                | 10                | 11                | 12                | 13               |
|-------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Dim L | 10.16<br>[.400]  | 15.24<br>[.600]  | 20.32<br>[.800]  | 25.40<br>[1.000] | 30.48<br>[1.200] | 35.56<br>[1.400] | 40.64<br>[1.600]  | 45.72<br>[1.800]  | 50.80<br>[2.000]  | 55.88<br>[2.200]  | 60.96<br>[2.400]  | 66.04<br>[2.600] |
| Dim B | 5.08<br>[.200]   | 10.16<br>[.400]  | 15.24<br>[.600]  | 20.32<br>[.800]  | 25.40<br>[1.000] | 30.48<br>[1.200] | 35.56<br>[1.400]  | 40.64<br>[1.600]  | 45.72<br>[1.800]  | 50.80<br>[2.000]  | 55.88<br>[2.200]  | 60.96<br>[2.400] |
| TOL   | ±0.15[.006]      |                  |                  |                  | ±0.20[.008]      |                  |                   |                   | ±0.25[.010]       |                   |                   |                  |
| Poles | 14               | 15               | 16               | 17               | 18               | 19               | 20                | 21                | 22                | 23                | 24                |                  |
| Dim L | 71.12<br>[2.800] | 76.20<br>[3.000] | 81.28<br>[3.200] | 86.36<br>[3.400] | 91.44<br>[3.600] | 96.52<br>[3.800] | 101.60<br>[4.000] | 106.68<br>[4.200] | 111.76<br>[4.400] | 116.84<br>[4.600] | 121.92<br>[4.800] |                  |
| Dim B | 66.04<br>[2.600] | 71.12<br>[2.800] | 76.20<br>[3.000] | 81.28<br>[3.200] | 86.36<br>[3.400] | 91.44<br>[3.600] | 96.52<br>[3.800]  | 101.60<br>[4.000] | 106.68<br>[4.200] | 111.76<br>[4.400] | 116.84<br>[4.600] |                  |
| TOL   | ±0.25[.010]      |                  |                  | ±0.30[.012]      |                  |                  |                   | ±0.40[.016]       |                   |                   |                   |                  |



SECTION A-A



|             |                |                       |                         |                                       |                                  |                                                                        |
|-------------|----------------|-----------------------|-------------------------|---------------------------------------|----------------------------------|------------------------------------------------------------------------|
| 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                    | tolerances unless otherwise specified |                                  | title                                                                  |
| D           |                |                       |                         | angles<br>X±1°                        | linear<br>X.XX±0.1               | TERMINAL BLOCK<br>PLUGGABLE, PLUG, SIGNAL, W/FLANGE<br>CONTACT UP SIDE |
|             |                | dr                    | WENDY CHEN              | 042310                                |                                  | dwg no                                                                 |
|             |                | enrg                  | JASON HSU               | 042310                                |                                  | sheet 3 of 3                                                           |
|             |                | chr                   | GARY HSIEH              | 042310                                |                                  | size                                                                   |
|             |                | appd                  | JOSEPH HSIA             | 042310                                |                                  | A4                                                                     |
| sheet index | revision sheet |                       |                         |                                       |                                  | type                                                                   |
|             |                |                       |                         |                                       |                                  | CUSTOMER Drawing                                                       |

