

PRODUCT NUMBER

20020006-XXXXXXLF

20020006 —       L F

PITCH

G: 5.00 mm  
H: 5.08 mm

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        |

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:

## MATERIALS

1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.

1-2 SCREW: STEEL, ZINC PLATED.

1-3 CLAMP: COPPER ALLOY, NICKEL PLATED.

1-4 TERMINAL: COPPER ALLOY, TIN PLATED.

2. PRODUCTION 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.

## PROPERTY TABLE

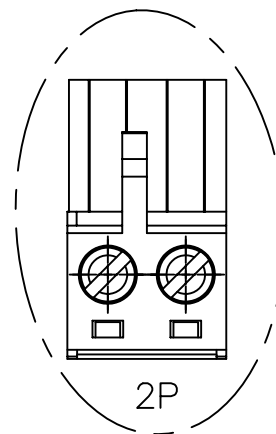
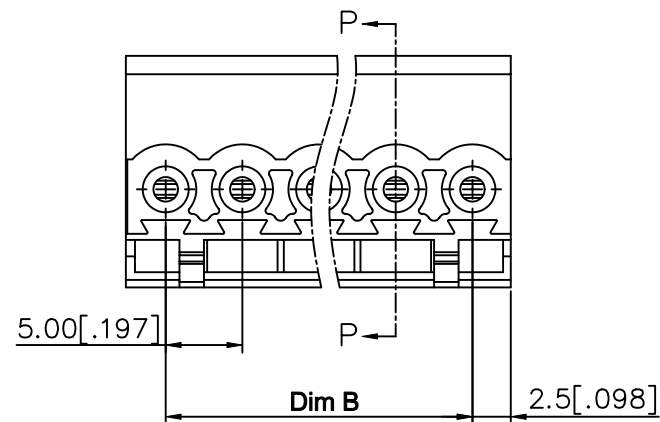
| FCI SERIES NAME                           |          | 01-500   | 01-508   |     |
|-------------------------------------------|----------|----------|----------|-----|
| PITCH (mm)                                |          | 5.00     | 5.08     |     |
| VOLTAGE RATING (VAC)                      |          | 300      | 300      |     |
| CURRENT RATING (A)                        |          | 12       | 12       |     |
| APPLICABLE WIRE RANGE (AWG)               | 1-WIRE   | 12~24    | 12~24    |     |
|                                           | 2-WIRE   | 18       | 18       |     |
| WIRE CROSS SECTION<br>(mm <sup>2</sup> )  | SOLID    | 1-WIRE   | 2.5      | 2.5 |
|                                           |          | 2-WIRE   | 1.0      | 1.0 |
|                                           | STRANDED | 1-WIRE   | 2.5      | 2.5 |
|                                           |          | 2-WIRE   | 1.5      | 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    |     |

SAFETY CERTIFICATE



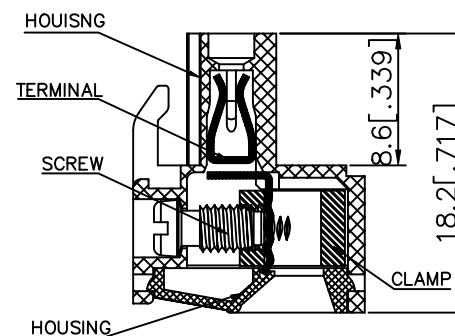
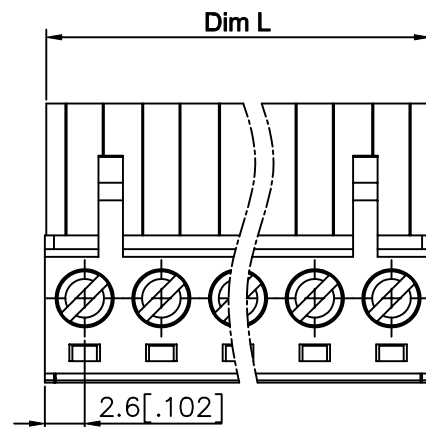
| mat'l. code |                |    |        | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection<br> | product family<br>TERMINAL BLOCK                  |
|-------------|----------------|----|--------|---------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------|
| ltr         | ecn no         | dr | date   | tolerances unless otherwise specified |                         |                                                                                                     | title                                             |
| D           | T10-0042       | WL | 030310 | angles                                | X.±0.5[.020]            | MM                                                                                                  | TERMINAL BLOCK<br>PLUGGABLE PLUG, CONTACT UP SIDE |
| E           | T10-0127       | WL | 080910 | to                                    | X.X±0.3[.012]           | INCH                                                                                                |                                                   |
| F           | T10-0159       | WL | 100410 | to                                    | X.XX±0.1[.004]          | scale                                                                                               |                                                   |
| G           | T10-0187       | WL | 121410 | dr                                    | BEER FU                 | 062509                                                                                              | sheet 1 of 3 size<br>20020006 A4                  |
| H           | T-004746       | WL | 072011 | enr                                   | BEER FU                 | 062509                                                                                              |                                                   |
|             |                |    |        | chr                                   | GARY HSIEH              | 062509                                                                                              |                                                   |
|             |                |    |        | appd                                  | JOSEPH HSIA             | 062509                                                                                              | type<br>CUSTOMER Drawing                          |
| sheet index | revision sheet | H  | H      | H                                     |                         |                                                                                                     |                                                   |
|             |                | 1  | 2      | 3                                     |                         |                                                                                                     |                                                   |

| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020006-GXXXXXL | 01-500      | 5.00 mm |



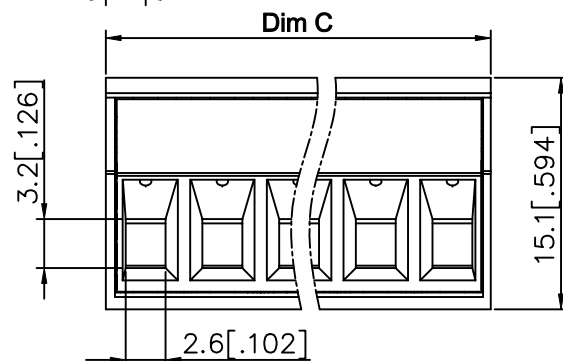
N= NUMBER OF POLES  
DIMENSION

|       |                                     |
|-------|-------------------------------------|
| Dim L | $N \times 5.0 [.197]$               |
| Bim B | $(N-1) \times 5.0 [.197]$           |
| Dim C | $N \times 5.0 [.197] + 0.10 [.004]$ |



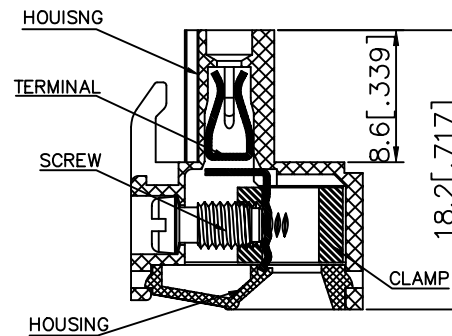
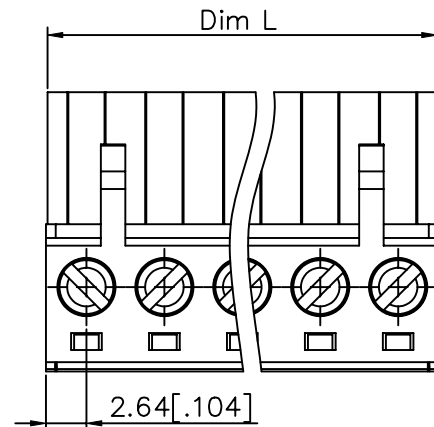
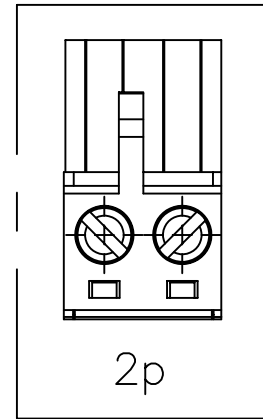
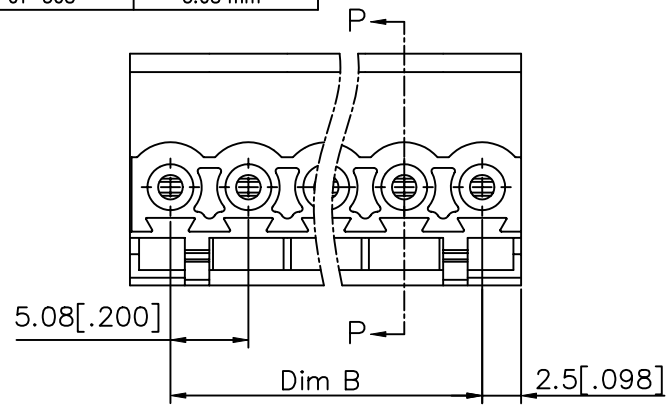
SECTION P-P

| Poles   | Tolerance         |
|---------|-------------------|
| 2P-5P   | $\pm 0.15 [.006]$ |
| 6P-10P  | $\pm 0.20 [.008]$ |
| 11P-15P | $\pm 0.25 [.010]$ |
| 16P-20P | $\pm 0.30 [.012]$ |
| 21P-24P | $\pm 0.40 [.016]$ |



|             |          |       |      |                         |                                                                                             |                            |                                                   |
|-------------|----------|-------|------|-------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|
| 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                    | tolerances unless otherwise specified                                                       |                            | title                                             |
| H           |          |       |      |                         | angles<br>X $\pm$ 0.5 [.020]<br>X.X $\pm$ 0.3 [.012]<br>X $\pm$ 1°<br>X.XX $\pm$ 0.1 [.004] | scale                      | TERMINAL BLOCK<br>PLUGGABLE PLUG, CONTACT UP SIDE |
|             |          |       | dr   | BEER FU                 | 062509                                                                                      |                            | dwg no                                            |
|             |          |       | enr  | BEER FU                 | 062509                                                                                      |                            | sheet 2 of 3 size                                 |
|             |          |       | chr  | GARY HSIEH              | 062509                                                                                      |                            | 20020006                                          |
|             |          |       | appd | JOSEPH HSIA             | 062509                                                                                      |                            | A4                                                |
| sheet index | revision | sheet |      |                         |                                                                                             |                            | type                                              |
|             |          |       |      |                         |                                                                                             |                            | CUSTOMER Drawing                                  |

| PRODUCT NUMBER    | SERIES NAME | PITCH   |
|-------------------|-------------|---------|
| 20020006-HXXXXXLf | 01-508      | 5.08 mm |

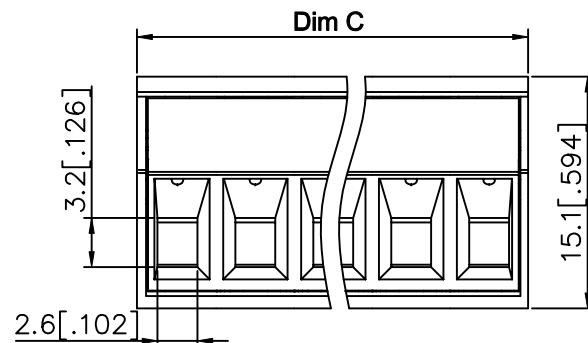


SECTION P-P

N= NUMBER OF POLES  
DIMENSION

|       |                           |
|-------|---------------------------|
| Dim L | Nx5.08 [.200]             |
| Dim B | (N-1)x5.08 [.200]         |
| Dim C | Nx5.08 [.200]+0.10 [.004] |

| Poles   | Tolerance    |
|---------|--------------|
| 2P-5P   | ±0.15 [.006] |
| 6P-10P  | ±0.20 [.008] |
| 11P-15P | ±0.25 [.010] |
| 16P-20P | ±0.30 [.012] |
| 21P-24P | ±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                  |
| litr        | ecn no         | dr     | date | tolerances unless otherwise specified                                |                         |                          | title                                             |
| H           |                |        |      | angles<br>X±0.5 [.020]<br>X.X±0.3 [.012]<br>X°±1°<br>X.XX±0.1 [.004] | linear                  | scale                    | TERMINAL BLOCK<br>PLUGGABLE PLUG, CONTACT UP SIDE |
| dr          | BEER FU        | 062509 |      |                                                                      |                         |                          | dwg no<br>20020006                                |
| enr         | BEER FU        | 062509 |      |                                                                      |                         |                          | sheet 3 of 3 size<br>A4                           |
| chr         | GARY HSIEH     | 062509 |      |                                                                      |                         |                          |                                                   |
| appd        | JOSEPH HSIA    | 062509 |      |                                                                      |                         |                          |                                                   |
| sheet index | revision sheet |        |      |                                                                      |                         |                          | type<br>CUSTOMER Drawing                          |