

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.

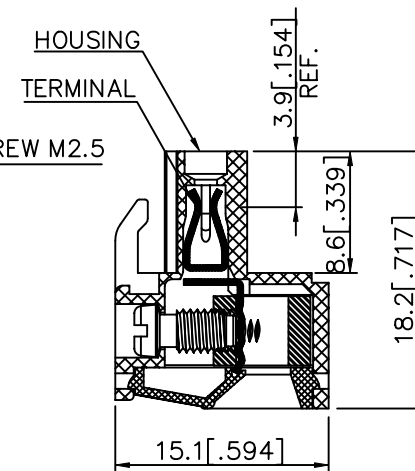
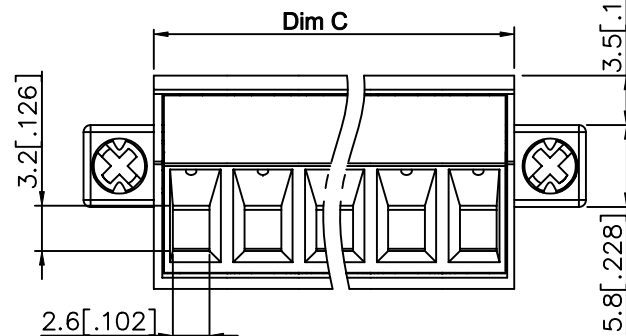
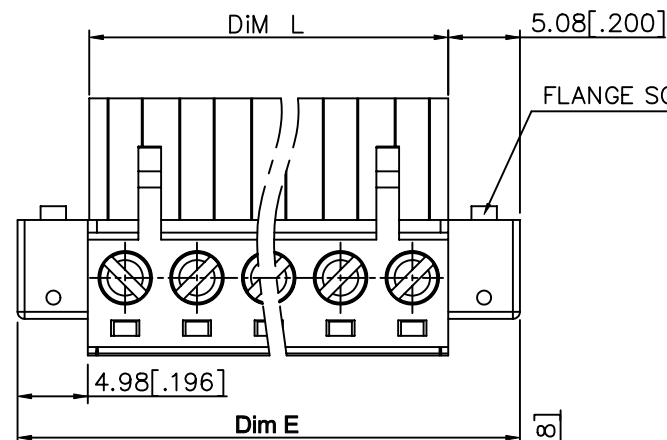
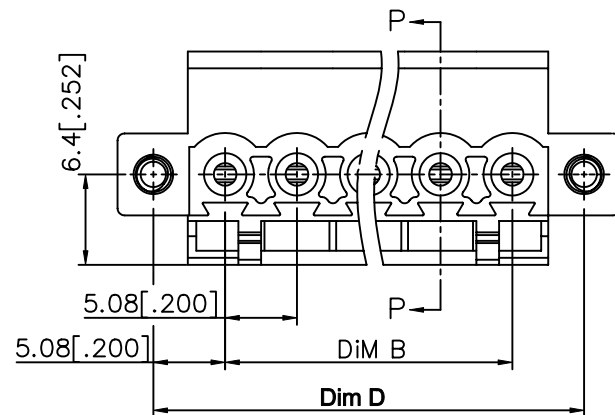
SAFETY CERTIFICATE



|             |          |    |        |                                       |                         |                                                                                                     |                                   |
|-------------|----------|----|--------|---------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------|
| mat'l. code |          |    |        | surface<br>ASME Y14.5 ✓               | tolerance<br>ASME Y14.5 | projection<br> | product family<br>TERMINAL BLOCK  |
| litr        | ecn no   | dr | date   | tolerances unless otherwise specified |                         |                                                                                                     | title                             |
| A           | T10-0062 | WL | 050710 | angles                                | X.±0.5[.020]            | MM                                                                                                  | TERMINAL BLOCK                    |
| B           | T10-0127 | WL | 080910 | tol                                   | X.X±0.3[.012]           | INCH                                                                                                | PLUGGABLE, PLUG, SIGNAL, W/FLANGE |
| C           | T10-0155 | WL | 093010 | X*±1"                                 | X.XX±0.1[.004]          | scale                                                                                               | CONTACT UP SIDE                   |
| D           | T10-0187 | WL | 121410 | dr                                    | WENDY CHEN              | 042310                                                                                              | dwg no                            |
| E           | T-004860 | WL | 080411 | enr                                   | JASON HSU               | 042310                                                                                              | sheet 1 of 3                      |
|             |          |    |        | chr                                   | GARY HSIEH              | 042310                                                                                              | size                              |
|             |          |    |        | appd                                  | JOSEPH HSIA             | 042310                                                                                              | 20020003                          |
| sheet index | revision | E  | E      | E                                     |                         |                                                                                                     | A4                                |
|             | sheet    | 1  | 2      | 3                                     |                         |                                                                                                     |                                   |
|             |          |    |        |                                       |                         |                                                                                                     | type                              |
|             |          |    |        |                                       |                         |                                                                                                     | CUSTOMER Drawing                  |



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

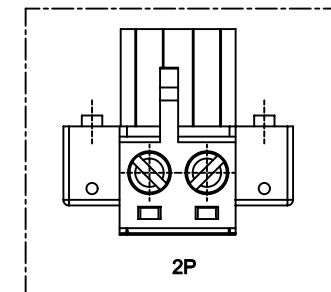


SECTION P-P

N= NUMBER OF POLES

|       |                                      |
|-------|--------------------------------------|
| Dim L | $N \times 5.08 [.200]$               |
| Dim B | $(N-1) \times 5.08 [.200]$           |
| Dim C | $N \times 5.08 [.200] + 0.10 [.004]$ |
| Dim D | $(N+1) \times 5.08 [.200]$           |
| Dim E | $(N+2) \times 5.08 [.200]$           |

| 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                                  |                         |                          | title                                                                  |  |
| E           |          |       |    | tolerances unless otherwise specified |                         |                          | TERMINAL BLOCK<br>PLUGGABLE, PLUG, SIGNAL, W/FLANGE<br>CONTACT UP SIDE |  |
|             |          |       |    | angles                                | linear                  |                          | dwg no                                                                 |  |
|             |          |       |    | $X \pm 1^\circ$                       | $X.X \pm 0.5 [.020]$    |                          | sheet 3 of 3 size                                                      |  |
|             |          |       |    |                                       | $X.X \pm 0.3 [.012]$    |                          | 20020003                                                               |  |
|             |          |       |    | dr                                    | WENDY CHEN              | 042310                   | A4                                                                     |  |
|             |          |       |    | enr                                   | JASON HSU               | 042310                   | type                                                                   |  |
|             |          |       |    | chr                                   | GARY HSIEH              | 042310                   | CUSTOMER Drawing                                                       |  |
|             |          |       |    | appd                                  | JOSEPH HSIA             | 042310                   |                                                                        |  |
| sheet index | revision | sheet |    |                                       |                         |                          |                                                                        |  |