

PRODUCT NUMBER

20020130-XXXXXXLF

20020130-□□□□A□□LF

PITCH

C: 3.50 mm  
D: 3.81 mm  
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

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 |

PROPERTY TABLE

| FCI SERIES NAME           |       | 30-350                                                                              | 30-381             | 30-500                                                                               | 30-508             |
|---------------------------|-------|-------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|--------------------|
| PITCH (mm)                |       | 3.50                                                                                | 3.81               | 5.00                                                                                 | 5.08               |
| VOLTAGE RATING (VAC)      |       | 300                                                                                 | 300                | 300                                                                                  | 300                |
| CURRENT RATING (A)        | cULus | 8                                                                                   | 8                  | 15                                                                                   | 15                 |
|                           | VDE   | 10                                                                                  | 10                 | NA                                                                                   | NA                 |
| WITHSTANDING VOLTAGE (kV) | cULus | 1.6                                                                                 | 1.6                | 1.6                                                                                  | 1.6                |
|                           | VDE   | 2.5                                                                                 | 2.5                | NA                                                                                   | NA                 |
| OPERATING TEMP. (°C)      |       | -40~+115                                                                            | -40~+115           | -40~+115                                                                             | -40~+115           |
| SOLDERING TEMP. (°C)      |       | 250±10<br>(5 sec.)                                                                  | 250±10<br>(5 sec.) | 250±10<br>(5 sec.)                                                                   | 250±10<br>(5 sec.) |
| POLES AVAILABLE           |       | 02~24                                                                               | 02~24              | 02~24                                                                                | 02~24              |
| SAFETY CERTIFICATE        |       |  |                    |  |                    |

## NOTES:

## 1. MATERIALS

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

1-2 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.

6. RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

| mat'l. code |          |    |        | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection                                                                            | product family                     |
|-------------|----------|----|--------|---------------------------------------|-------------------------|---------------------------------------------------------------------------------------|------------------------------------|
| litr        |          |    |        | tolerances unless otherwise specified |                         |  | TERMINAL BLOCK                     |
| A           | T10-0099 | WL | 070110 | angles                                | X.±0.5                  | MM                                                                                    | title                              |
| B           | T10-0161 | WL | 101210 | to 1"                                 | X.X±0.3                 | [INCH]                                                                                | TERMINAL BLOCK                     |
| C           | T11-0013 | WL | 040811 | X*±1"                                 | X.XX±0.1                | scale                                                                                 | PLUGGABLE SIGNAL, SOCKET 45° ANGLE |
|             |          |    |        | dr                                    | WENDY CHEN              | 062310                                                                                | dwg no                             |
|             |          |    |        | enrg                                  | JASON HSU               | 062310                                                                                | sheet 1 of 5                       |
|             |          |    |        | chr                                   | GARY HSIEH              | 062310                                                                                | size                               |
|             |          |    |        | appd                                  | JOSEPH HSIA             | 062310                                                                                | 20020130                           |
|             |          |    |        |                                       |                         |                                                                                       | A4                                 |
|             |          |    |        |                                       |                         |                                                                                       | type                               |
|             |          |    |        |                                       |                         |                                                                                       | CUSTOMER Drawing                   |
| sheet index | revision | C  | C      | C                                     | C                       | C                                                                                     |                                    |
|             | sheet    | 1  | 2      | 3                                     | 4                       | 5                                                                                     |                                    |

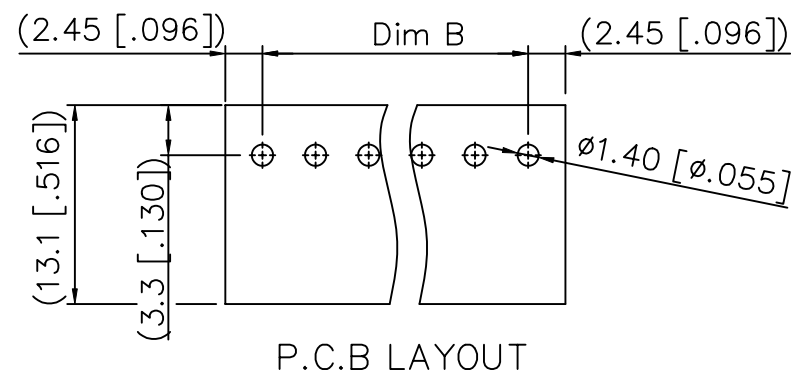
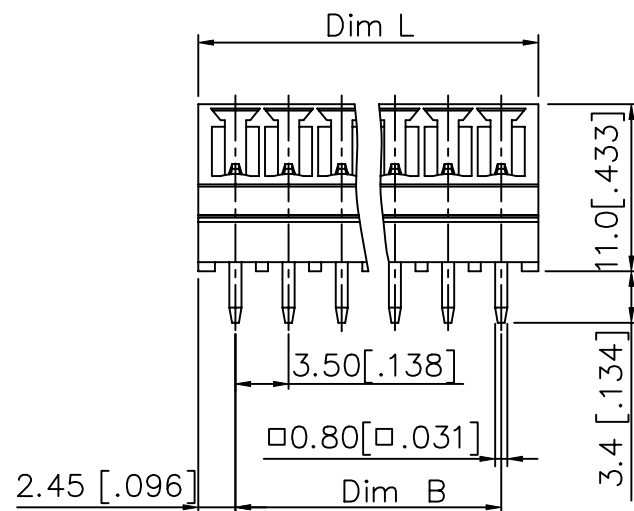
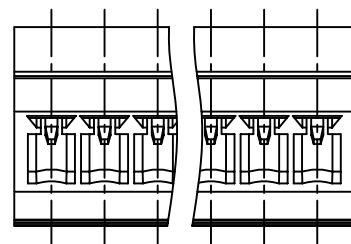


1 | 2

3 |

4

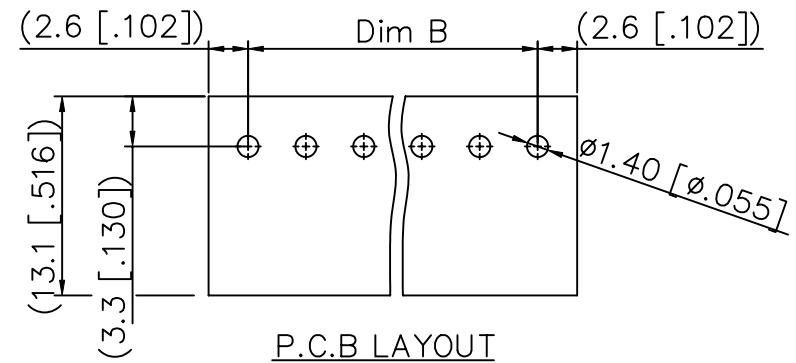
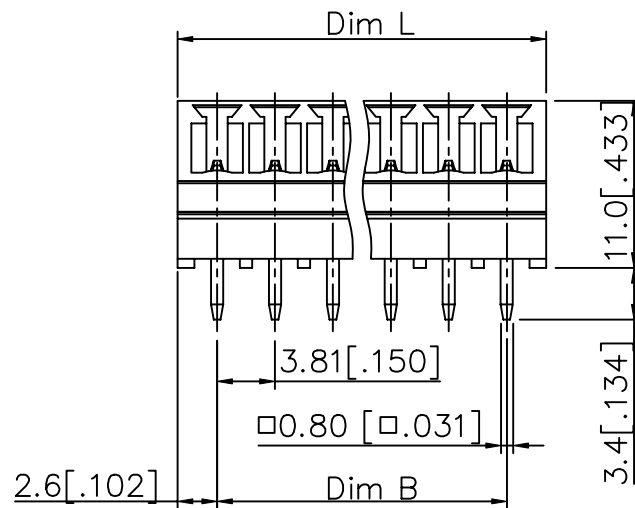
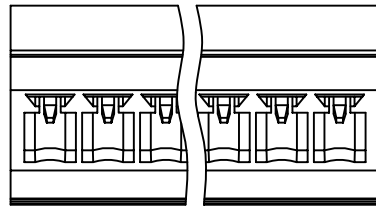
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020130-CXXXXXXLF | 30-350      | 3.50 mm |



|       |                                                                                     |              |              |              |              |              |              |              |
|-------|-------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| POLE  |  | 2            | 3            | 4            | 5            | 6            | 7            | 8            |
| DIM.L |                                                                                     | 8.4[.331]    | 11.9[.468]   | 15.4[.606]   | 18.9[.744]   | 22.4[.881]   | 25.9[1.019]  | 29.4[1.157]  |
| DIM.B |                                                                                     | 3.50[.138]   | 7.00[.276]   | 10.50[.413]  | 14.00[.551]  | 17.50[.689]  | 21.00[.827]  | 24.50[.965]  |
| Tol.  |                                                                                     | ±0.10[.004]  |              |              |              | ±0.15[.006]  |              |              |
| POLE  | 9                                                                                   | 10           | 11           | 12           | 13           | 14           | 15           | 16           |
| DIM.L | 32.9[1.295]                                                                         | 36.4[1.433]  | 39.9[1.571]  | 43.4[1.708]  | 46.9[1.846]  | 50.4[1.984]  | 53.9[2.122]  | 57.4[2.259]  |
| DIM.B | 28.00[1.102]                                                                        | 31.50[1.240] | 35.00[1.378] | 38.50[1.516] | 42.00[1.654] | 45.5[1.791]  | 49.0[1.929]  | 52.50[2.067] |
| Tol.  | ±0.20[.008]                                                                         |              |              |              | ±0.25[.010]  |              |              |              |
| POLE  | 17                                                                                  | 18           | 19           | 20           | 21           | 22           | 23           | 24           |
| DIM.L | 60.9[2.397]                                                                         | 64.4[2.535]  | 67.9[2.673]  | 71.4[2.811]  | 74.9[2.948]  | 78.4[3.086]  | 81.9[3.224]  | 85.4[3.362]  |
| DIM.B | 56.00[2.205]                                                                        | 59.50[2.342] | 63.00[2.480] | 66.50[2.618] | 70.00[2.756] | 73.50[2.894] | 77.00[3.031] | 80.50[3.169] |
| Tol.  | ±0.25[.010]                                                                         |              | ±0.30[.012]  |              |              |              |              |              |

|             |          |       |    |                         |                                       |                            |                                                      |  |  |  |
|-------------|----------|-------|----|-------------------------|---------------------------------------|----------------------------|------------------------------------------------------|--|--|--|
| 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                                                |  |  |  |
| c           |          |       |    |                         | angles                                | X±0.5                      | TERMINAL BLOCK<br>PLUGGABLE SIGNAL, SOCKET 45° ANGLE |  |  |  |
|             |          |       |    |                         | X*±1°                                 | X.XX±0.1                   |                                                      |  |  |  |
|             |          |       |    |                         | dr                                    | WENDY CHEN 062310          | dwg no                                               |  |  |  |
|             |          |       |    |                         | enr                                   | JASON HSU 062310           | sheet 2 of 5                                         |  |  |  |
|             |          |       |    |                         | chr                                   | GARY HSIEH 062310          | 20020130                                             |  |  |  |
|             |          |       |    |                         | appd                                  | JOSEPH HSIA 062310         | A4                                                   |  |  |  |
| sheet index | revision | sheet |    |                         |                                       |                            | type                                                 |  |  |  |
|             |          |       |    |                         |                                       |                            | CUSTOMER Drawing                                     |  |  |  |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020130-DXXXXXXLF | 30-381      | 3.81 mm |

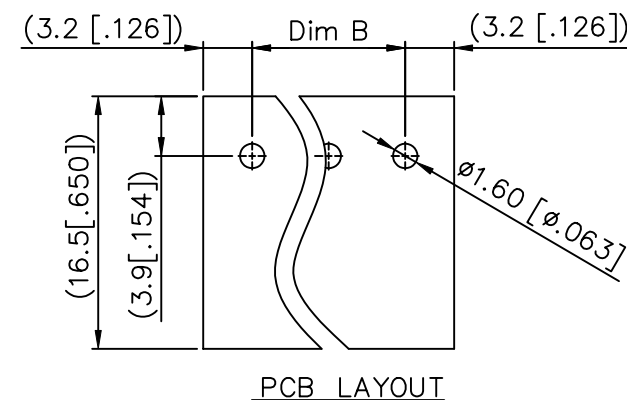
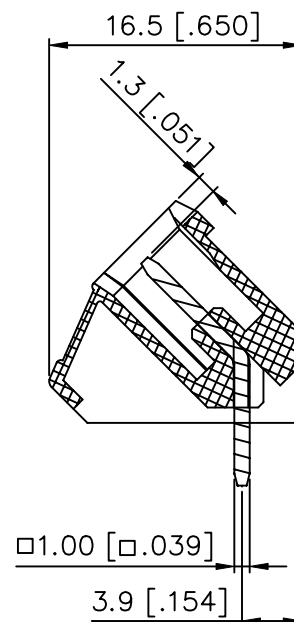
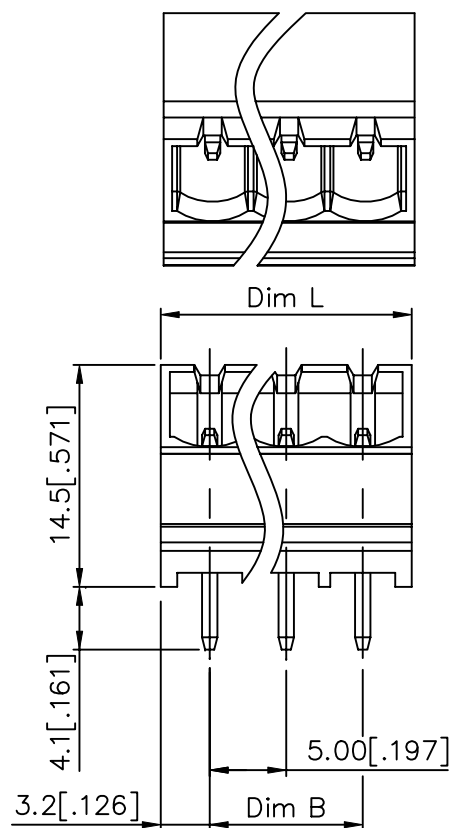


|       |              |              |              |              |              |              |              |              |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| POLE  |              | 2            | 3            | 4            | 5            | 6            | 7            | 8            |
| Dim.L |              | 9.01[.300]   | 12.82[.450]  | 16.63[.600]  | 20.44[.750]  | 24.25[.900]  | 28.06[1.050] | 31.87[1.200] |
| Dim.B |              | 3.81[.150]   | 7.62[.300]   | 11.43[.450]  | 15.24[.600]  | 19.05[.750]  | 22.86[.900]  | 26.67[1.050] |
| Tol.  |              | ±0.10[.004]  |              | ±0.15[.006]  |              |              |              | ±0.20[.008]  |
| POLE  | 9            | 10           | 11           | 12           | 13           | 14           | 15           | 16           |
| Dim.L | 35.68[1.350] | 39.49[1.500] | 43.3[1.650]  | 47.11[1.800] | 50.92[1.950] | 54.73[2.100] | 58.54[2.250] | 62.35[2.400] |
| Dim.B | 30.48[1.200] | 34.29[1.350] | 38.10[1.500] | 41.91[1.650] | 45.72[1.800] | 49.53[1.950] | 53.34[2.100] | 57.15[2.250] |
| Tol.  | ±0.20[.008]  |              |              |              | ±0.25[.010]  |              |              |              |
| POLE  | 17           | 18           | 19           | 20           | 21           | 22           | 23           | 24           |
| Dim.L | 66.16[2.550] | 69.97[2.700] | 73.78[2.850] | 77.59[3.000] | 81.4[3.150]  | 85.21[3.300] | 89.02[3.450] | 92.83[3.600] |
| Dim.B | 60.96[2.400] | 64.77[2.550] | 68.58[2.700] | 72.39[2.850] | 76.20[3.000] | 80.01[3.150] | 83.82[3.300] |              |
| Tol.  | ±0.25[.010]  | ±0.30[.012]  |              |              |              |              |              |              |

|             |                |    |      |                                       |                         |                            |                                                      |
|-------------|----------------|----|------|---------------------------------------|-------------------------|----------------------------|------------------------------------------------------|
| 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 |                         | MM<br>[INCH]               | title                                                |
| c           |                |    |      | angles                                | X.±0.5<br>X.X±0.3       |                            | TERMINAL BLOCK<br>PLUGGABLE SIGNAL, SOCKET 45° ANGLE |
|             |                |    |      | X°±1°                                 | X.XX±0.1                | scale                      | dwg no                                               |
|             |                |    |      | dr                                    | WENDY CHEN 062310       | FCI                        | sheet 3 of 5                                         |
|             |                |    |      | enr                                   | JASON HSU 062310        |                            | size                                                 |
|             |                |    |      | chr                                   | GARY HSIEH 062310       |                            | 20020130                                             |
|             |                |    |      | appd                                  | JOSEPH HSIA 062310      |                            | A4                                                   |
| sheet index | revision sheet |    |      |                                       |                         |                            | type                                                 |
|             |                |    |      |                                       |                         |                            | CUSTOMER Drawing                                     |



| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020130-GXXXXXXLF | 30-500      | 5.00 mm |



|       |             |             |             |              |              |              |              |              |
|-------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| POLE  |             | 2           | 3           | 4            | 5            | 6            | 7            | 8            |
| DIM.L |             | 11.4[.449]  | 16.4[.645]  | 21.4[.842]   | 26.4[1.039]  | 31.4[1.236]  | 36.4[1.433]  | 41.4[1.630]  |
| DIM.B |             | 5.0[.196]   | 10.0[.394]  | 15.0[.590]   | 20.0[.787]   | 25.0[.984]   | 30.0[1.181]  | 35.0[1.377]  |
| Tol.  |             | ±0.15[.006] |             |              |              |              |              | ±0.25[.010]  |
| POLE  | 9           | 10          | 11          | 12           | 13           | 14           | 15           | 16           |
| DIM.L | 46.4[1.827] | 51.4[2.024] | 56.4[2.220] | 61.4[2.417]  | 66.4[2.614]  | 71.4[2.811]  | 76.4[3.008]  | 81.4[3.205]  |
| DIM.B | 40.0[1.574] | 45.0[1.771] | 50.0[1.968] | 55.0[2.165]  | 60.0[2.362]  | 65.0[2.559]  | 70.0[2.755]  | 75.0[2.952]  |
| Tol.  | ±0.25[.010] |             |             |              | ±0.30[.012]  |              |              |              |
| POLE  | 17          | 18          | 19          | 20           | 21           | 22           | 23           | 24           |
| DIM.L | 86.4[3.402] | 91.4[3.598] | 96.4[3.795] | 101.4[3.992] | 106.4[4.189] | 111.4[4.386] | 116.4[4.583] | 121.4[4.780] |
| DIM.B | 80.0[3.149] | 85.0[3.346] | 90.0[3.543] | 95.0[3.74]   | 100.0[3.937] | 105.0[4.133] | 110.0[4.330] | 115.0[4.527] |
| Tol.  | ±0.30[.012] |             | ±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                                                |
| c           |                |    |      | angles<br>X°±1°                       | X.±0.5<br>X.X±0.3<br>X.XX±0.1 | scale                      | TERMINAL BLOCK<br>PLUGGABLE SIGNAL, SOCKET 45° ANGLE |
|             |                |    |      | dr                                    | WENDY CHEN                    | 062310                     | dwg no                                               |
|             |                |    |      | enr                                   | JASON HSU                     | 062310                     | sheet 4 of 5                                         |
|             |                |    |      | chr                                   | GARY HSIEH                    | 062310                     | size                                                 |
|             |                |    |      | appd                                  | JOSEPH HSIA                   | 062310                     | A4                                                   |
| sheet index | revision sheet |    |      |                                       |                               |                            | type                                                 |
|             |                |    |      |                                       |                               |                            | CUSTOMER Drawing                                     |

