

PRODUCT NUMBER

20020111-XXXXXXLF

20020111-□□□□A0□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           |       | 06-350                                                                              | 06-381             | 06-500                                                                              | 06-508             |
|---------------------------|-------|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|
| PITCH (mm)                |       | 3.50                                                                                | 3.81               | 5.00                                                                                | 5.08               |
| VOLTAGE RATING (VAC)      |       | 300                                                                                 | 300                | 300                                                                                 | 300                |
| CURRENT RATING (A)        | cULus | 10                                                                                  | 10                 | 12                                                                                  | 12                 |
|                           | VDE   | 10.5                                                                                | 10.5               | 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.

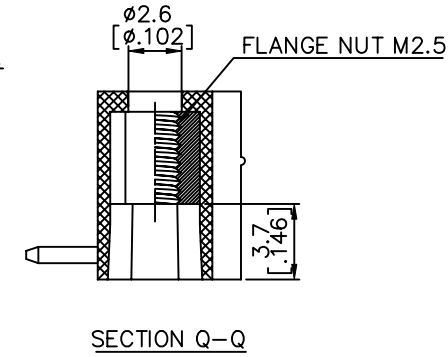
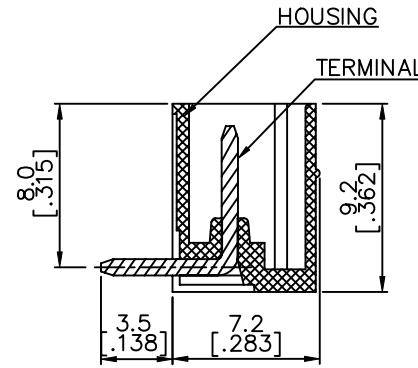
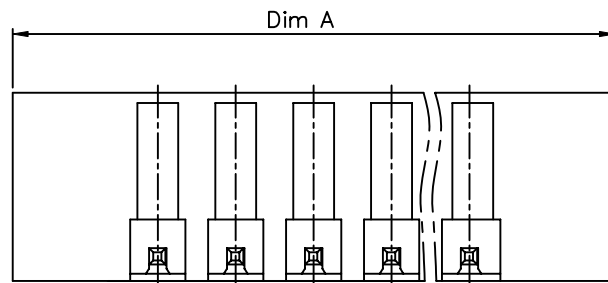
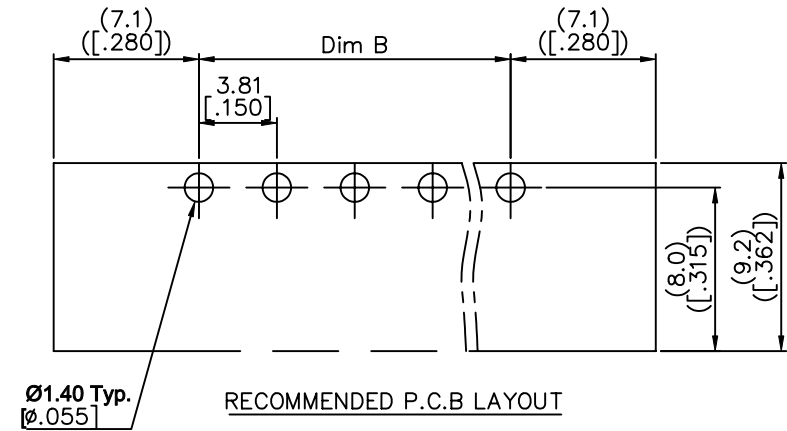
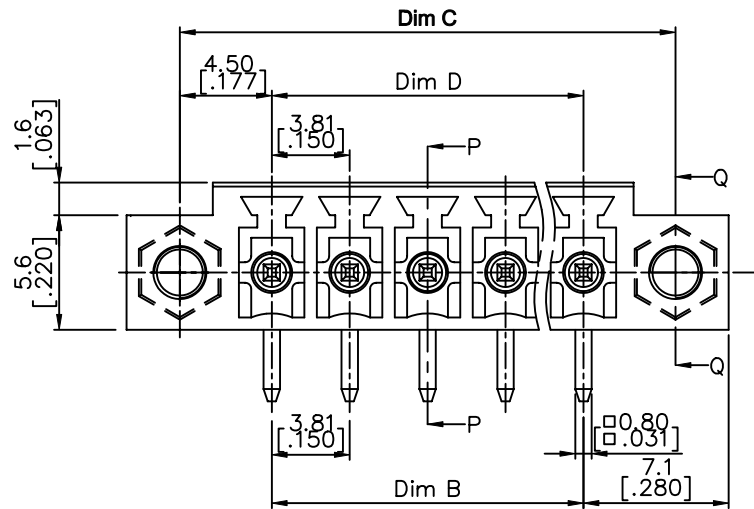
## 5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

## 6. RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

| mat'l. code |          |       |        | surface<br>ASME Y14.5                 |                         | tolerance<br>ASME Y14.5 |                                                                                       | projection                                                                            |                                                                                       | product family |  |  |                  |  |      |
|-------------|----------|-------|--------|---------------------------------------|-------------------------|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|--|--|------------------|--|------|
|             |          |       |        |                                       |                         |                         |                                                                                       |  |                                                                                       | TERMINAL BLOCK |  |  |                  |  |      |
| ltr         | ecn no   | dr    | date   | tolerances unless otherwise specified |                         |                         |                                                                                       |                                                                                       |                                                                                       | title          |  |  |                  |  |      |
| A           | T10-0062 | WL    | 050710 | angles<br>to<br>face                  | X.±0.5[.020]            |                         |  |                                                                                       | TERMINAL BLOCK<br>PLUGGABLE, SOCKET, SIGNAL, R/A<br>W/FLANGE                          |                |  |  |                  |  |      |
| B           | T10-0155 | WL    | 093010 |                                       | X.X±0.3[.012]           |                         |                                                                                       |                                                                                       |                                                                                       |                |  |  |                  |  |      |
| C           | T10-0187 | WL    | 121410 |                                       | X'±1°<br>X.XX±0.1[.004] |                         |                                                                                       |                                                                                       |                                                                                       |                |  |  |                  |  |      |
| D           | T11-0006 | WL    | 012611 | dr                                    | WENDY CHEN              |                         | 042610                                                                                |                                                                                       |  | dwg no         |  |  | sheet 1 of 5     |  | size |
| E           | T11-0013 | WL    | 040811 | enr                                   | JASON HSU               |                         | 042610                                                                                |                                                                                       |                                                                                       | 20020111       |  |  | A4               |  |      |
| F           | T-004860 | WL    | 080411 | chr                                   | GARY HSIEH              |                         | 042610                                                                                |                                                                                       |                                                                                       |                |  |  |                  |  |      |
|             |          |       |        | appd                                  | JOSEPH HSIA             |                         | 042610                                                                                |                                                                                       |                                                                                       | type           |  |  | CUSTOMER Drawing |  |      |
| sheet index | revision | sheet | F 1    | F 2                                   | F 3                     | F 4                     | F 5                                                                                   |                                                                                       |                                                                                       |                |  |  |                  |  |      |



| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020111-DXXXXXXLF | 06-381      | 3.81 mm |



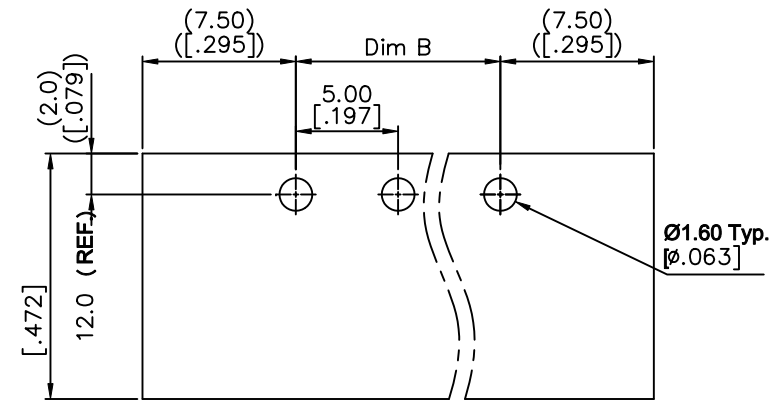
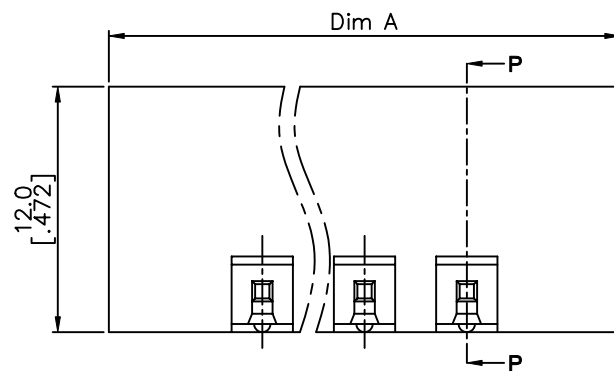
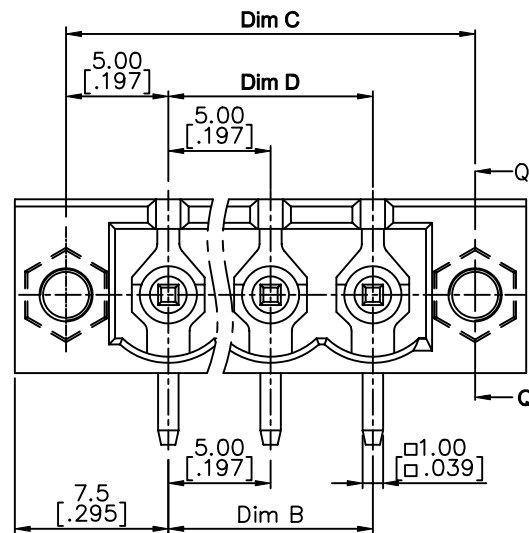
N= Number of poles

|       |                                          |
|-------|------------------------------------------|
| Dim A | $(N-1) \times 3.81 [.150] + 14.2 [.559]$ |
| Dim B | $(N-1) \times 3.81 [.150]$               |
| Dim C | $(N-1) \times 3.81 [.150] + 9.0 [.354]$  |
| Dim D | $(N-1) \times 3.81 [.150]$               |

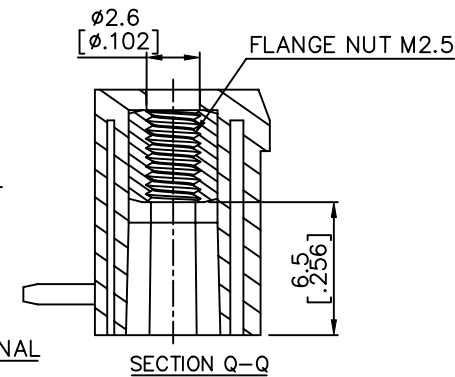
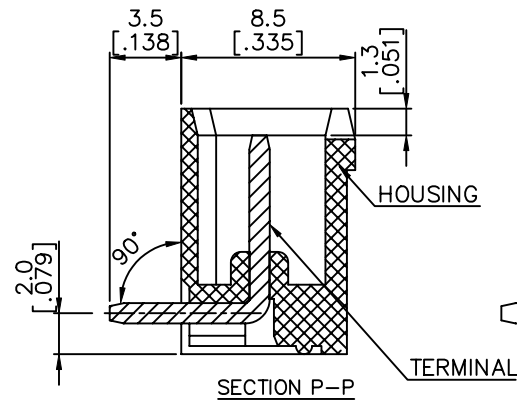
| Poles   | Tolerance         |
|---------|-------------------|
| 2p-6p   | $\pm 0.15 [.006]$ |
| 7p-12p  | $\pm 0.20 [.008]$ |
| 13p-16p | $\pm 0.25 [.010]$ |
| 17p-24p | $\pm 0.30 [.012]$ |

|             |                       |                         |            |                                |
|-------------|-----------------------|-------------------------|------------|--------------------------------|
| mat'l. code | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection | product family                 |
| ltr         | ecn no                | dr                      | date       | TERMINAL BLOCK                 |
| F           |                       |                         |            | title                          |
|             |                       |                         |            | TERMINAL BLOCK                 |
|             |                       |                         |            | PLUGGABLE, SOCKET, SIGNAL, R/A |
|             |                       |                         |            | W/FLANGE                       |
|             |                       |                         |            | dwg no                         |
|             |                       |                         |            | sheet 3 of 5                   |
|             |                       |                         |            | size                           |
|             |                       |                         |            | 20020111                       |
|             |                       |                         |            | A4                             |
|             |                       |                         |            | type                           |
|             |                       |                         |            | CUSTOMER Drawing               |
| sheet index | revision              | sheet                   |            |                                |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020111-GXXXXXXLF | 06-500      | 5.00 mm |



## RECOMMENDED PCB LAYOUT



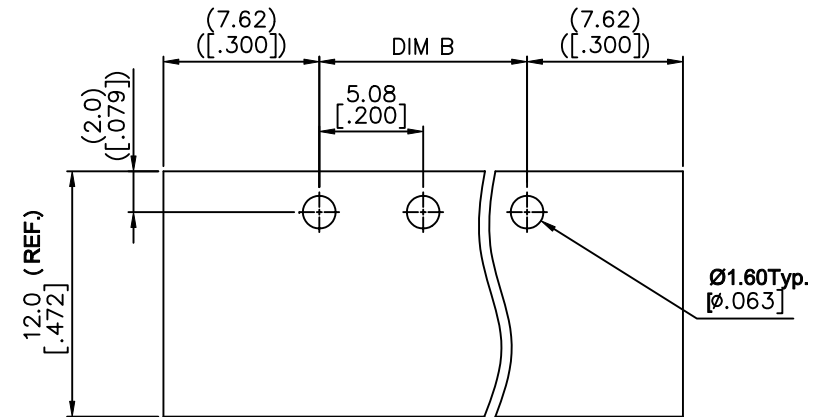
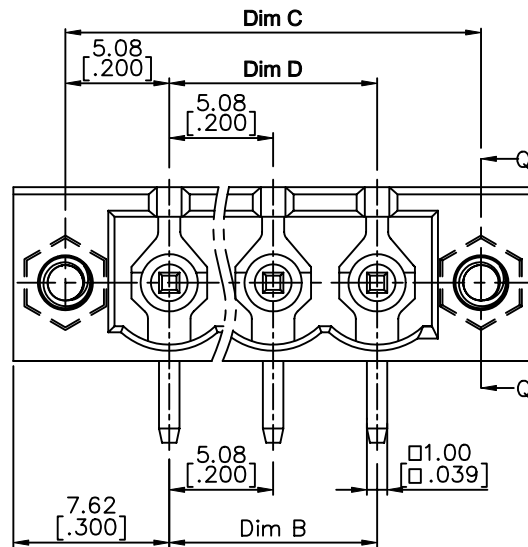
N= NUMBER OF POLES

|       |                   |
|-------|-------------------|
| Dim A | $(N+2)*5.0[.197]$ |
| Dim B | $(N-1)*5.0[.197]$ |
| Dim C | $(N+1)*5.0[.197]$ |
| Dim D | $(N-1)*5.0[.197]$ |

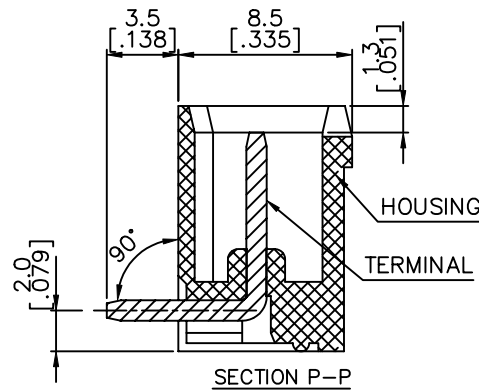
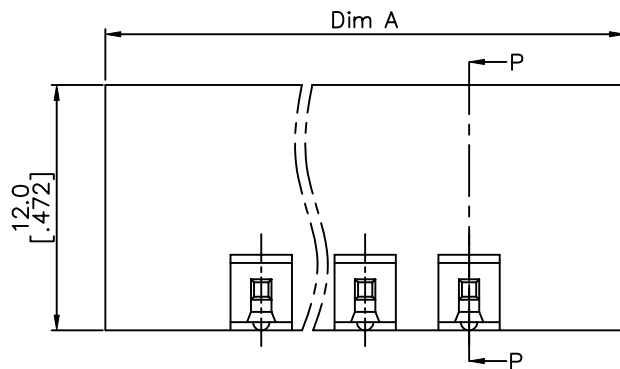
| Poles   | Tolerance        |
|---------|------------------|
| 2P-6P   | $\pm 0.15[.006]$ |
| 7P-12P  | $\pm 0.20[.008]$ |
| 13P-18P | $\pm 0.25[.010]$ |
| 19P-24P | $\pm 0.30[.012]$ |

|                    |  |                |  |                                                                                                                                                                        |  |                         |  |                                                                                                       |  |                                                                                       |  |          |  |              |  |      |  |
|--------------------|--|----------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|-------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------|--|--------------|--|------|--|
| 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                                                                                                                                  |  |                         |  | <br>MM<br>[INCH] |  | title<br>TERMINAL BLOCK<br>PLUGGABLE, SOCKET, SIGNAL, R/A<br>W/FLANGE                 |  |          |  |              |  |      |  |
| F                  |  |                |  | angles<br><div><div>line</div><div><math>X \pm 0.5 [ .020 ]</math><br/><math>X.X \pm 0.3 [ .012 ]</math><br/><math>X' \pm 1' [ .XX \pm 0.1 [ .004 ]</math></div></div> |  |                         |  |                                                                                                       |  |                                                                                       |  |          |  |              |  |      |  |
|                    |  |                |  | dr                                                                                                                                                                     |  | WENDY CHEN              |  | 042610                                                                                                |  |  |  | dwg no   |  | sheet 4 of 5 |  | size |  |
|                    |  |                |  | engr                                                                                                                                                                   |  | JASON HSU               |  | 042610                                                                                                |  |                                                                                       |  | 20020111 |  | A4           |  |      |  |
|                    |  |                |  | chr                                                                                                                                                                    |  | GARY HSIEH              |  | 042610                                                                                                |  |                                                                                       |  |          |  |              |  |      |  |
|                    |  |                |  | appd                                                                                                                                                                   |  | JOSEPH HSIA             |  | 042610                                                                                                |  |                                                                                       |  |          |  |              |  |      |  |
| sheet index        |  | revision sheet |  |                                                                                                                                                                        |  |                         |  |                                                                                                       |  |                                                                                       |  |          |  |              |  |      |  |

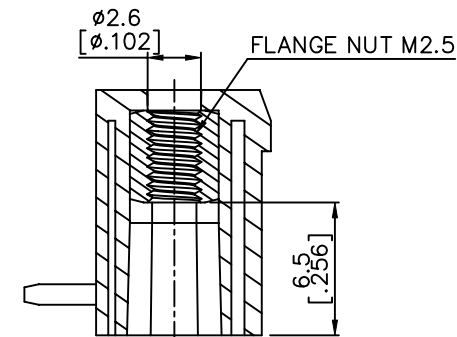
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020111-HXXXXXXLF | 06-508      | 5.08 mm |



RECOMMENDED PCB LAYOUT



SECTION P-P



SECTION Q-Q

N= NUMBER OF CONCATS

|       |                  |
|-------|------------------|
| Dim A | (N+2)*5.08[.200] |
| Dim B | (N-1)*5.08[.200] |
| Dim C | (N+1)*5.08[.200] |
| Dim D | (N-1)*5.08[.200] |

| Poles   | Tolerance   |
|---------|-------------|
| 2P-6P   | ±0.15[.006] |
| 7P-12P  | ±0.20[.008] |
| 13P-18P | ±0.30[.012] |
| 19P-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                     | title<br>TERMINAL BLOCK<br>PLUGGABLE, SOCKET, SIGNAL, R/A<br>W/FLANGE |
| F           |                       |                         |                          | dwg no<br>20020111                                                    |
|             |                       |                         |                          | sheet 5 of 5                                                          |
|             |                       |                         |                          | size<br>A4                                                            |
|             |                       |                         |                          | type<br>CUSTOMER Drawing                                              |
| sheet index | revision sheet        |                         |                          |                                                                       |