

PRODUCT NUMBER

20020108-XXXXXXLF

20020108-□□□□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

| 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        |       |  |                    |  |                    |

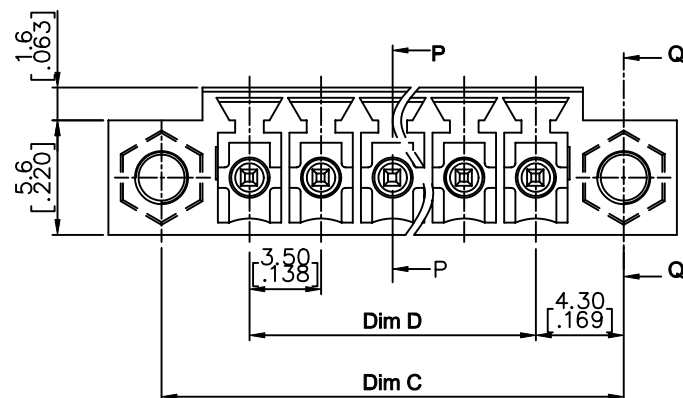
| CODE | COLOR             | AVAILABILITY    |
|------|-------------------|-----------------|
| 1    | GREEN(RAL 6018/T) | STANDARD        |
| 2    | BLACK             | ON REQUEST ONLY |
| 3    | GREY(RAL 7004/P)  | ON REQUEST ONLY |
| 4    | BLUE(RAL 5015/A)  | ON REQUEST ONLY |

## NOTES:

- MATERIALS  
1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.  
1-2 TERMINAL: COPPER ALLOY, TIN PLATED.
- PRODUCT SPECIFICATION REFER TO FCI GS-12-625.
- BOXED PACKAGING,  
DETAILED PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.
- FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON  
PRODUCT SURFACE.
- THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN  
UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN  
GS-22-008.
- RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

| 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   | angles<br> | tolerances unless otherwise specified |                | title                               |  |
| A           | T10-0062 | WL       | 050710 |                                                                                                 | X.±0.5[.020]                          | MM                                                                                                  | TERMINAL BLOCK                      |  |
| B           | T10-0155 | WL       | 093010 |                                                                                                 | X.X±0.3[.012]                         | INCH                                                                                                | PLUGGABLE, SOCKET, SIGNAL, STRAIGHT |  |
| C           | T10-0187 | WL       | 121410 |                                                                                                 | X'±1"                                 | scale                                                                                               | W/FLANGE                            |  |
| D           | T11-0019 | WL       | 040611 | dr                                                                                              | WENDY CHEN                            | 042310                                                                                              | sheet 1 of 5                        |  |
| E           | T-004860 | WL       | 080411 | enr                                                                                             | JASON HSU                             | 042310                                                                                              | 20020108                            |  |
|             |          |          |        | chr                                                                                             | GARY HSIEH                            | 042310                                                                                              | A4                                  |  |
|             |          |          |        | appd                                                                                            | JOSEPH HSIA                           | 042310                                                                                              | type                                |  |
| sheet index |          | revision | sheet  | E                                                                                               | E                                     | E                                                                                                   | CUSTOMER Drawing                    |  |
|             |          |          |        | 1                                                                                               | 2                                     | 3                                                                                                   |                                     |  |
|             |          |          |        |                                                                                                 |                                       | 4                                                                                                   |                                     |  |
|             |          |          |        |                                                                                                 |                                       | 5                                                                                                   |                                     |  |

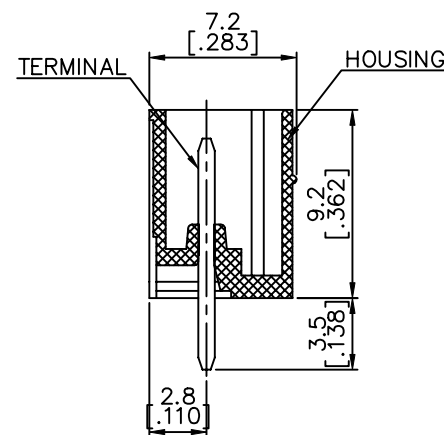
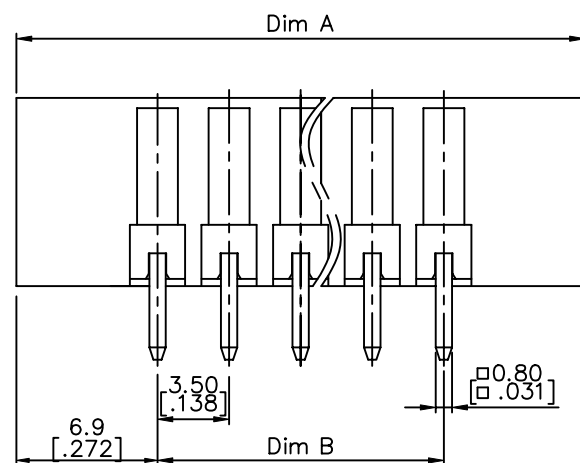
| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020108-CXXXXXL | 06-350      | 3.50 mm |



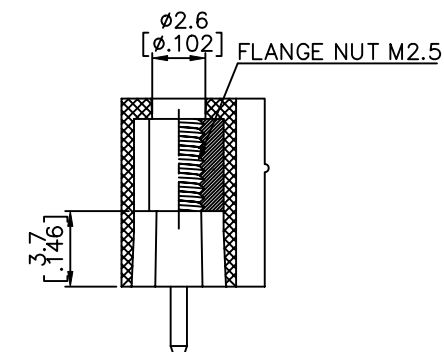
N= Number of poles

|       |                              |
|-------|------------------------------|
| Dim A | $(N-1)*3.5[.138]+13.8[.543]$ |
| Dim B | $(N-1)*3.5[.138]$            |
| Dim C | $(N-1)*3.5[.138]+8.6[.339]$  |
| Dim D | $(N-1)*3.5[.138]$            |

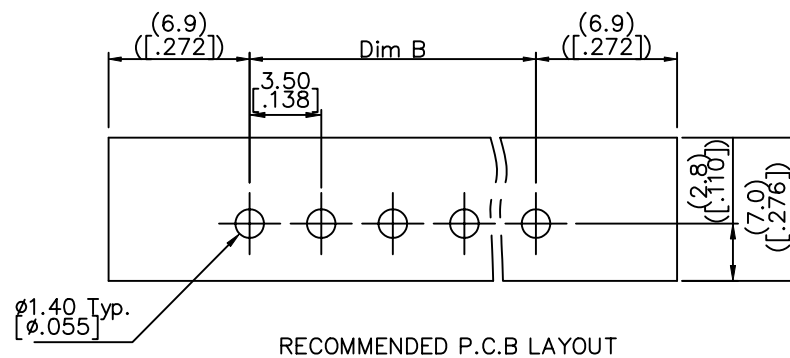
| Poles   | Tolerance        |
|---------|------------------|
| 2p-6p   | $\pm 0.15[.006]$ |
| 7p-12p  | $\pm 0.20[.008]$ |
| 13p-16p | $\pm 0.25[.010]$ |
| 17p-24p | $\pm 0.30[.012]$ |



SECTION P-P

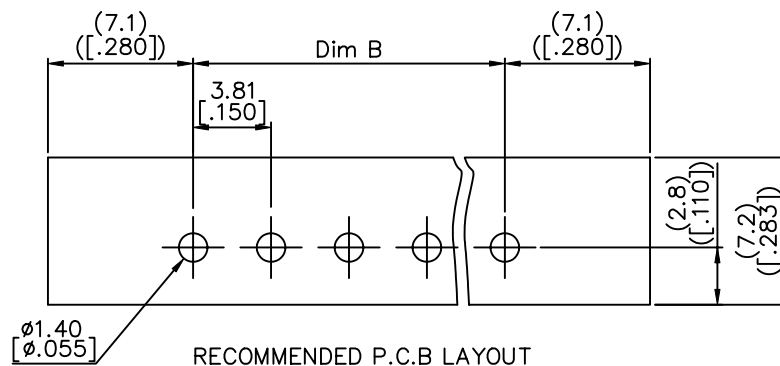
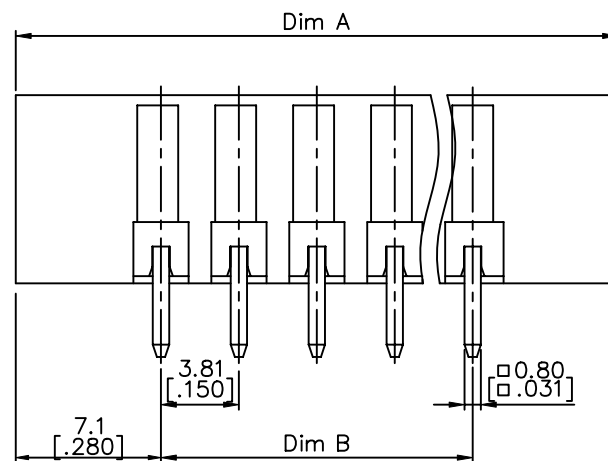
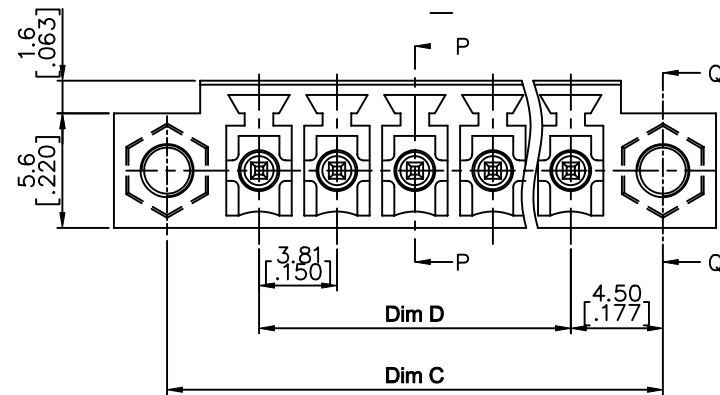


SECTION Q-Q



|             |                       |                         |                          |                                                                            |
|-------------|-----------------------|-------------------------|--------------------------|----------------------------------------------------------------------------|
| 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<br>TERMINAL BLOCK<br>PLUGGABLE, SOCKET, SIGNAL, STRAIGHT<br>W/FLANGE |
| E           |                       |                         |                          | dwg no<br>20020108                                                         |
|             |                       |                         |                          | sheet 2 of 5                                                               |
|             |                       |                         |                          | size<br>A4                                                                 |
|             |                       |                         |                          | type<br>CUSTOMER Drawing                                                   |
| sheet index | revision              | sheet                   |                          |                                                                            |

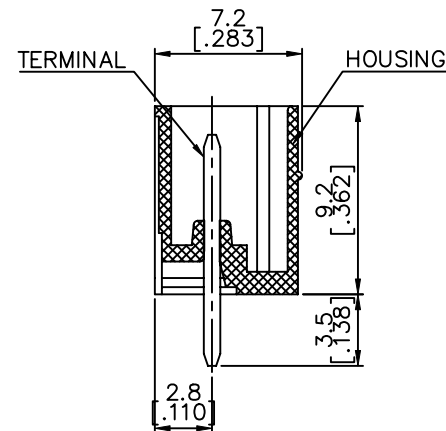
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020108-DXXXXXXLF | 06-381      | 3.81 mm |



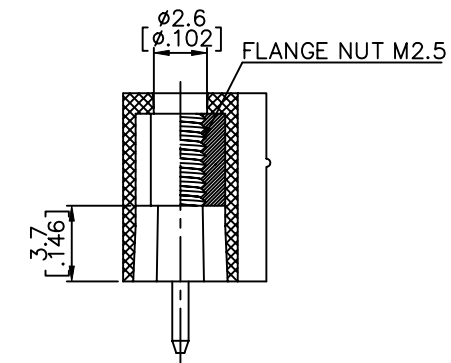
N= Number of poles

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

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



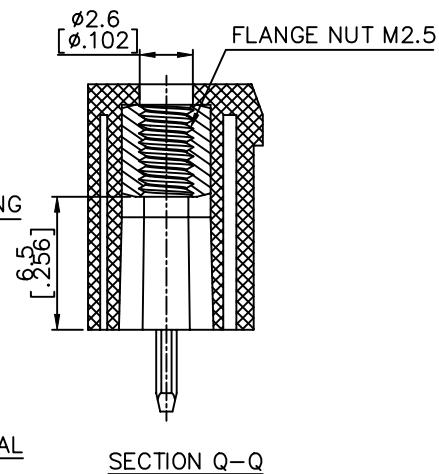
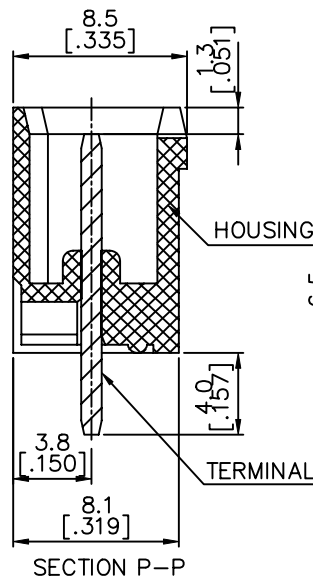
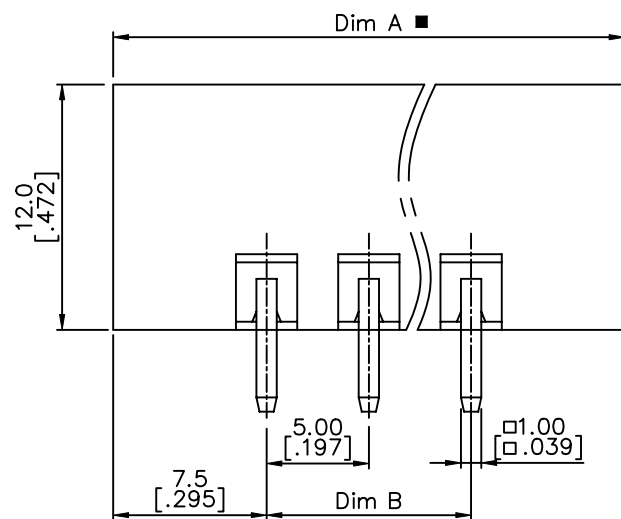
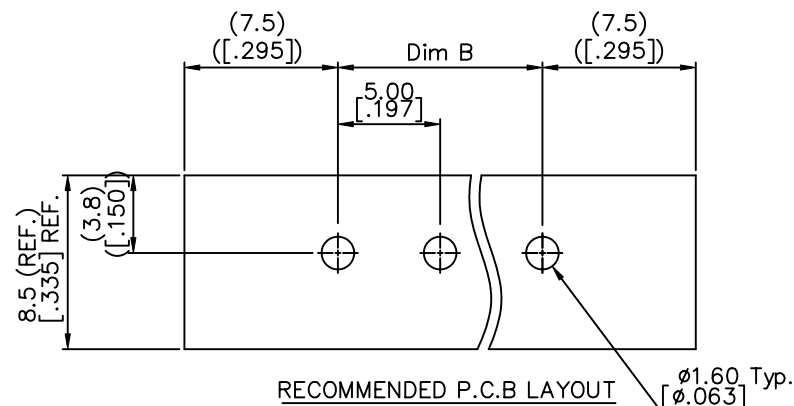
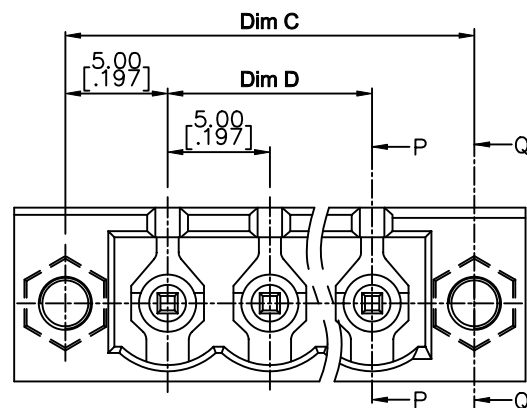
SECTION P-P



SECTION Q-Q

|                    |  |                |  |                                       |  |                         |  |                                                                                                     |  |                                                                                                                                                                                                                                                                       |  |  |  |
|--------------------|--|----------------|--|---------------------------------------|--|-------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| mat'l. code        |  |                |  | surface<br>ASME Y14.5 ✓               |  | tolerance<br>ASME Y14.5 |  | projection<br> |  | product family<br>TERMINAL BLOCK                                                                                                                                                                                                                                      |  |  |  |
| itr ecn no dr date |  |                |  | tolerances unless otherwise specified |  |                         |  |                                                                                                     |  | <br>title<br>TERMINAL BLOCK<br>PLUGGABLE, SOCKET, SIGNAL, STRAIGHT<br>W/FLANGE<br>scale<br> |  |  |  |
| E                  |  |                |  | angles                                |  | linear                  |  | X.±0.5[.020]                                                                                        |  |                                                                                                                                                                                                                                                                       |  |  |  |
|                    |  |                |  |                                       |  |                         |  | X.X±0.3[.012]                                                                                       |  |                                                                                                                                                                                                                                                                       |  |  |  |
|                    |  |                |  | X'±1"                                 |  |                         |  | X.XX±0.1[.004]                                                                                      |  |                                                                                                                                                                                                                                                                       |  |  |  |
|                    |  |                |  | dr                                    |  | WENDY CHEN              |  | 042310                                                                                              |  | dwg no                                                                                                                                                                                                                                                                |  |  |  |
|                    |  |                |  | enr                                   |  | JASON HSU               |  | 042310                                                                                              |  | sheet 3 of 5                                                                                                                                                                                                                                                          |  |  |  |
|                    |  |                |  | chr                                   |  | GARY HSIEH              |  | 042310                                                                                              |  | size                                                                                                                                                                                                                                                                  |  |  |  |
|                    |  |                |  | appd                                  |  | JOSEPH HSIA             |  | 042310                                                                                              |  | A4                                                                                                                                                                                                                                                                    |  |  |  |
| sheet index        |  | revision sheet |  |                                       |  |                         |  |                                                                                                     |  | type                                                                                                                                                                                                                                                                  |  |  |  |
|                    |  |                |  |                                       |  |                         |  |                                                                                                     |  | CUSTOMER Drawing                                                                                                                                                                                                                                                      |  |  |  |
|                    |  |                |  |                                       |  |                         |  |                                                                                                     |  |                                                                                                                                                                                                                                                                       |  |  |  |
|                    |  |                |  |                                       |  |                         |  |                                                                                                     |  |                                                                                                                                                                                                                                                                       |  |  |  |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020108-GXXXXXXLF | 06-500      | 5.00 mm |



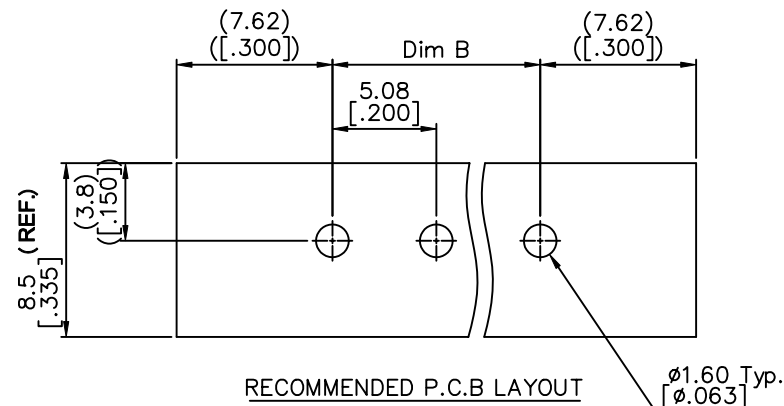
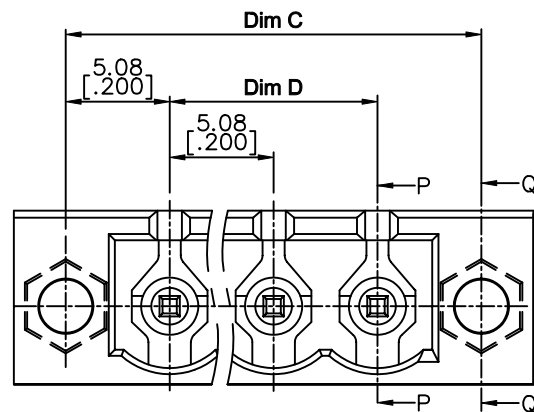
N= Number of poles

|       |           |
|-------|-----------|
| Dim A | (N+2)*5.0 |
| Dim B | (N-1)*5.0 |
| Dim C | (N+1)*5.0 |
| Dim D | (N-1)*5.0 |

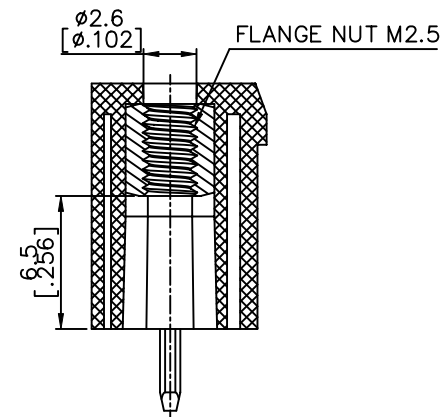
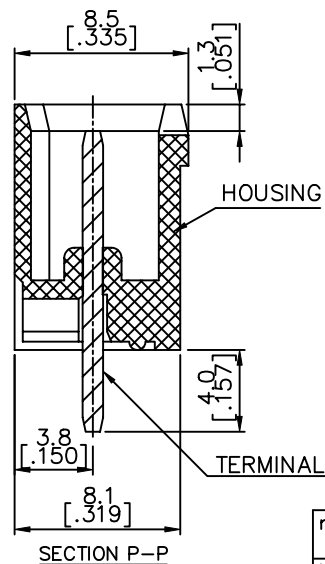
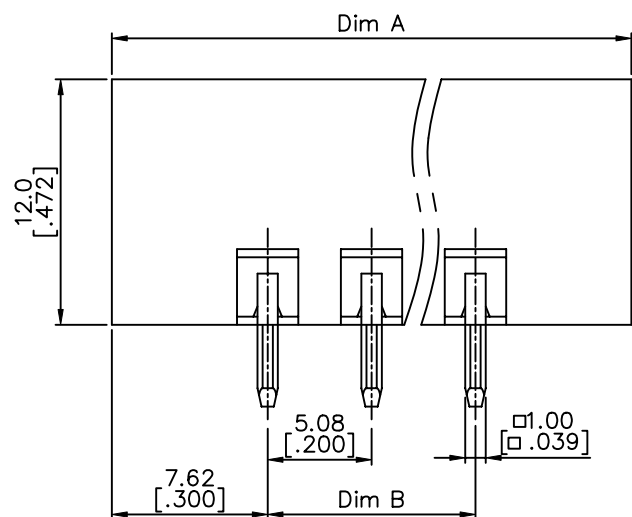
| Poles   | Tolerance |
|---------|-----------|
| 2P-6P   | ±0.15     |
| 7P-12P  | ±0.20     |
| 13P-18P | ±0.30     |
| 19P-24P | ±0.40     |

|             |                       |                         |            |                                     |
|-------------|-----------------------|-------------------------|------------|-------------------------------------|
| mat'l. code | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection | product family                      |
| ltr         | ecn no                | dr                      | date       | TERMINAL BLOCK                      |
| E           |                       |                         |            | title                               |
|             |                       |                         |            | TERMINAL BLOCK                      |
|             |                       |                         |            | PLUGGABLE, SOCKET, SIGNAL, STRAIGHT |
|             |                       |                         |            | W/FLANGE                            |
|             |                       |                         |            | dwg no                              |
|             |                       |                         |            | 20020108                            |
|             |                       |                         |            | sheet 4 of 5                        |
|             |                       |                         |            | size                                |
|             |                       |                         |            | A4                                  |
|             |                       |                         |            | type                                |
|             |                       |                         |            | CUSTOMER Drawing                    |
| sheet index | revision sheet        |                         |            |                                     |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020108-HXXXXXXLF | 06-508      | 5.08 mm |



RECOMMENDED P.C.B LAYOUT

Ø1.60 Typ.  
Ø.063

N= NUMBER OF POLES

|       |            |
|-------|------------|
| Dim A | (N+2)*5.08 |
| Dim B | (N-1)*5.08 |
| Dim C | (N+1)*5.08 |
| Dim D | (N-1)*5.08 |

| Poles   | Tolerance |
|---------|-----------|
| 2P-6P   | ±0.15     |
| 7P-12P  | ±0.20     |
| 13P-18P | ±0.30     |
| 19P-24P | ±0.40     |

|             |          |       |    |                         |                                        |                          |                                                 |
|-------------|----------|-------|----|-------------------------|----------------------------------------|--------------------------|-------------------------------------------------|
| 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           |          |       |    |                         |                                        |                          | TERMINAL BLOCK                                  |
|             |          |       |    | angles                  | X.±0.5[.020]<br>X.X±0.3[.012]<br>X*±1° | scale                    | PLUGGABLE, SOCKET, SIGNAL, STRAIGHT<br>W/FLANGE |
|             |          |       |    | dr                      | WENDY CHEN 042310                      |                          | sheet 5 of 5                                    |
|             |          |       |    | enr                     | JASON HSU 042310                       |                          | size                                            |
|             |          |       |    | chr                     | GARY HSIEH 042310                      |                          | 20020108                                        |
|             |          |       |    | appd                    | JOSEPH HSIA 042310                     |                          | A4                                              |
| sheet index | revision | sheet |    |                         |                                        |                          | type                                            |
|             |          |       |    |                         |                                        |                          | CUSTOMER Drawing                                |