



PRODUCT NUMBER

20020107-XXXXXXLF

20020107-□□□□□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

| 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 |
| 5    | YELLOW(RAL 1018)  | ON REQUEST ONLY |

## NOTES:

## MATERIALS

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

1-2 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.

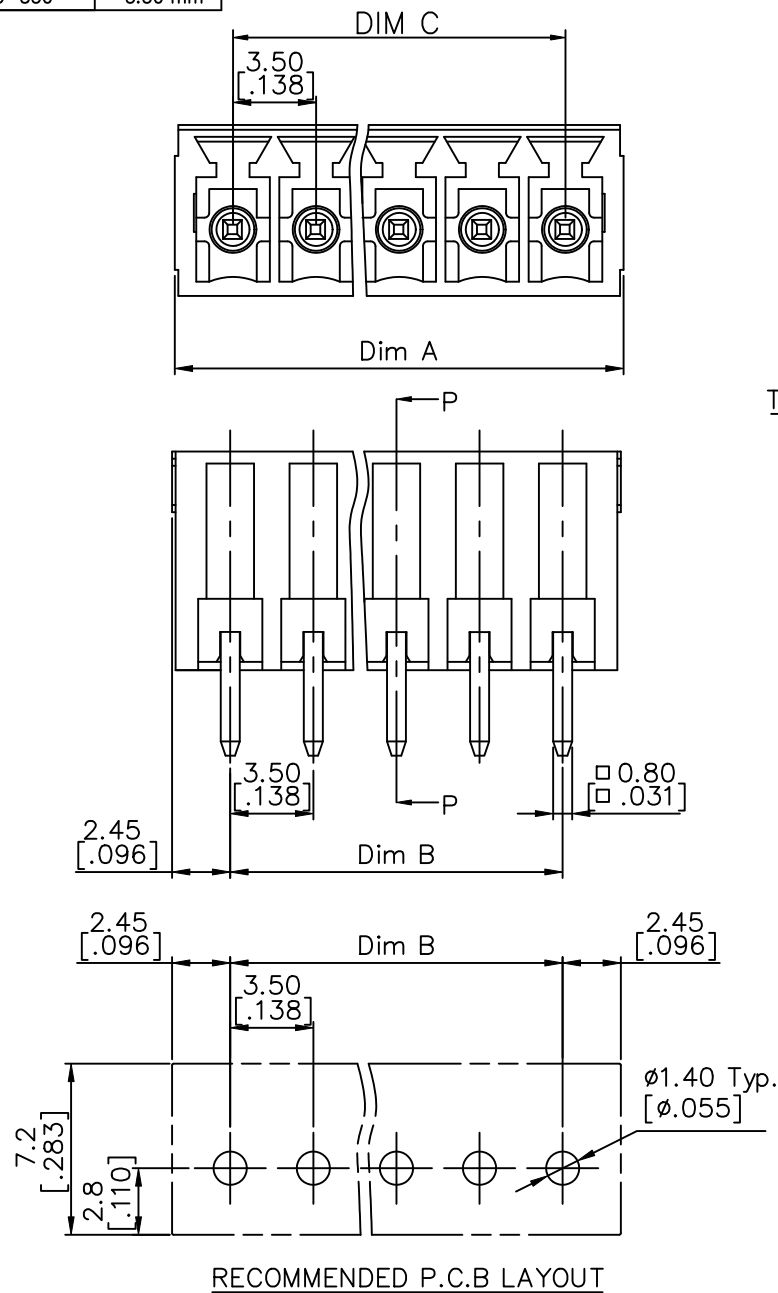
5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

6. RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

| mat'l. code |          |    |        | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection   | product family                               |
|-------------|----------|----|--------|---------------------------------------|-------------------------|--------------|----------------------------------------------|
|             |          |    |        | tolerances unless otherwise specified |                         |              | TERMINAL BLOCK                               |
| ltr         | ecn no   | dr | date   | angles                                | tolerance               | MM<br>[INCH] | title                                        |
| E           | T10-0159 | WL | 100410 | to be<br>used                         | X.±0.5[.020]            |              | TERMINAL BLOCK<br>PLUGGABLE SOCKET, STRAIGHT |
| F           | T10-0187 | WL | 121410 |                                       | X.X±0.3[.012]           |              |                                              |
| G           | T11-0013 | WL | 040811 | X'±1'                                 | X.XX±0.1[.004]          | scale        | dwg no                                       |
| H           | T-004330 | WL | 063011 | dr                                    | BEER FU                 | 062509       | sheet 1 of 5 size                            |
| J           | T-004746 | WL | 072011 | enr                                   | BEER FU                 | 062509       | 20020107                                     |
| K           | T-005754 | WL | 090611 | chr                                   | GARY HSIEH              | 062509       | A4                                           |
|             |          |    |        | appd                                  | JOSEPH HSIA             | 062509       | type                                         |
| sheet       | revision | K  | K      | K                                     | K                       | K            | CUSTOMER Drawing                             |
| index       | sheet    | 1  | 2      | 3                                     | 4                       | 5            |                                              |



| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-CXXXXXXLF | 06-350      | 3.50 mm |



N= NUMBER OF POLES  
DIMENSION

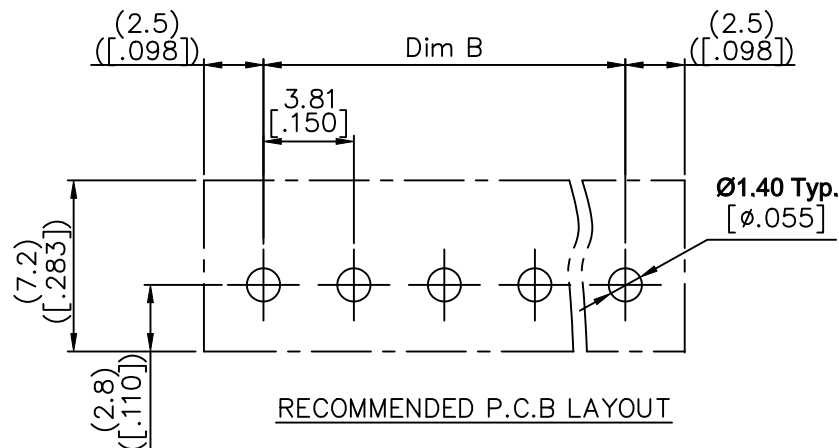
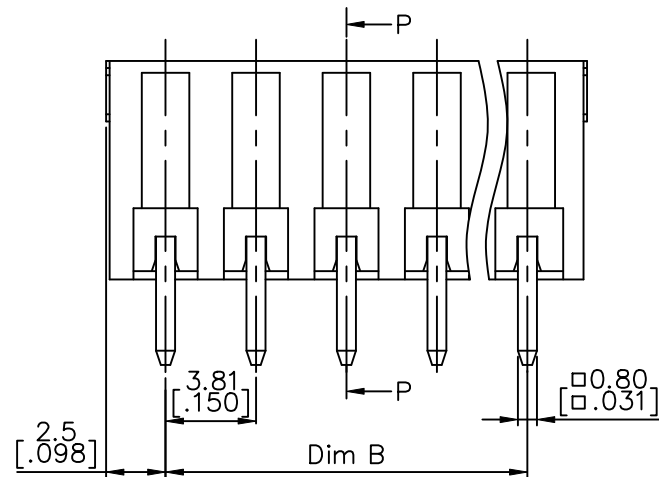
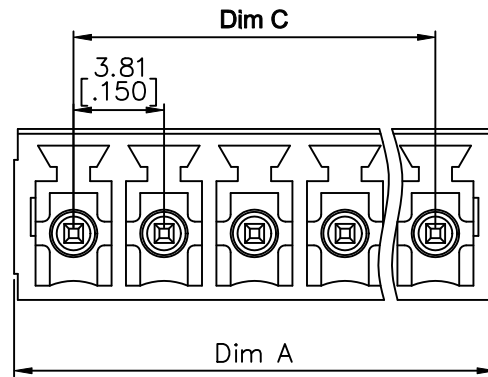
|       |                                        |
|-------|----------------------------------------|
| Dim A | $(N-1) \times 3.5 [.138] + 4.9 [.193]$ |
| Dim B | $(N-1) \times 3.5 [.138]$              |
| Dim C | $(N-1) \times 3.5 [.138]$              |

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

SECTION P-P

|             |                       |                         |                            |                                    |
|-------------|-----------------------|-------------------------|----------------------------|------------------------------------|
| 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                              |
| K           |                       |                         |                            | TERMINAL BLOCK                     |
|             |                       |                         |                            | PLUGABLE, SOCKET, SIGNAL, VERTICAL |
|             |                       |                         |                            | dwg no                             |
|             |                       |                         |                            | 20020107                           |
|             |                       |                         |                            | type                               |
|             |                       |                         |                            | CUSTOMER Drawing                   |
| sheet index | revision sheet        |                         |                            |                                    |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-DXXXXXXLF | 06-381      | 3.81 mm |



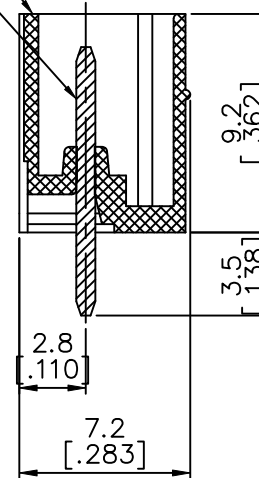
HOUSING

TERMINAL

N= NUMBER OF POLES  
DIMENSION

|       |                                         |
|-------|-----------------------------------------|
| Dim A | $(N-1) \times 3.81 [.150] + 5.0 [.197]$ |
| Dim B | $(N-1) \times 3.81 [.150]$              |
| Dim C | $(N-1) \times 3.81 [.150]$              |

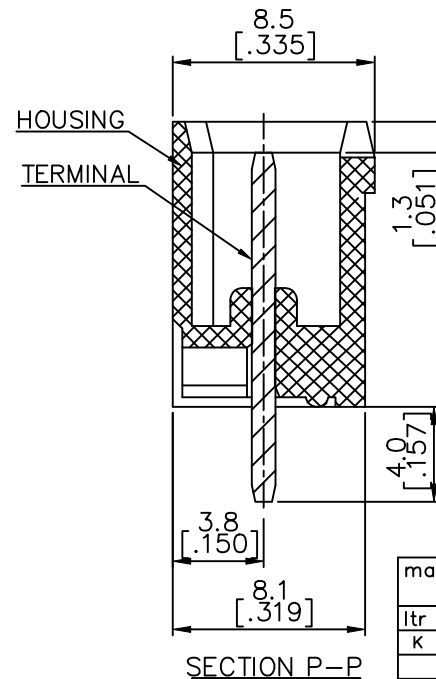
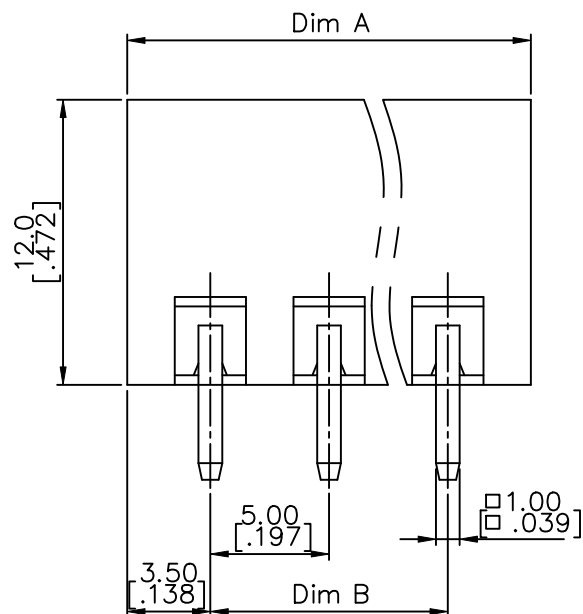
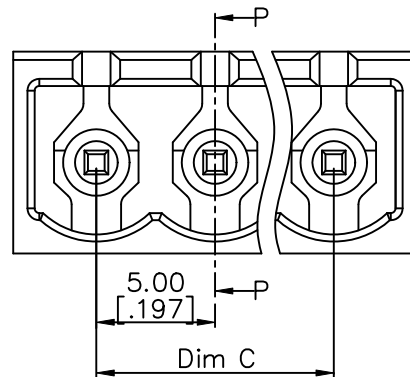
| Poles   | Tolerance         |
|---------|-------------------|
| 2p-6p   | $\pm 0.15 [.006]$ |
| 7p-12p  | $\pm 0.20 [.008]$ |
| 13p-16p | $\pm 0.25 [.010]$ |
| 17p-24p | $\pm 0.30 [.012]$ |



SECTION P-P

|             |                       |                         |                          |                                    |
|-------------|-----------------------|-------------------------|--------------------------|------------------------------------|
| 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                              |
| K           |                       |                         |                          | TERMINAL BLOCK                     |
|             |                       |                         |                          | PLUGABLE, SOCKET, SIGNAL, VERTICAL |
|             |                       |                         |                          | sheet 3 of 5                       |
|             |                       |                         |                          | 20020107                           |
|             |                       |                         |                          | A4                                 |
|             |                       |                         |                          | type                               |
|             |                       |                         |                          | CUSTOMER Drawing                   |
| sheet index | revision              | sheet                   |                          |                                    |

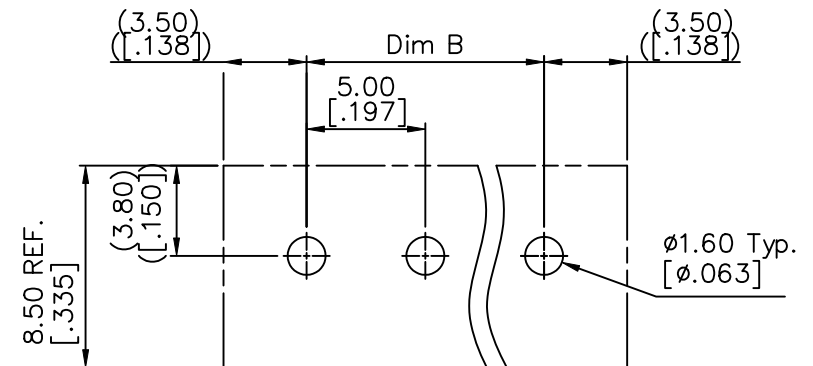
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-GXXXXXXLF | 06-500      | 5.00 mm |



N = NUMBER OF POLES  
DIMENSION

|       |                                    |
|-------|------------------------------------|
| Dim A | $N \times 5.0 [.197] + 2.0 [.079]$ |
| Dim B | $(N-1) \times 5.0 [.197]$          |
| Dim C | $(N-1) \times 5.0 [.197]$          |

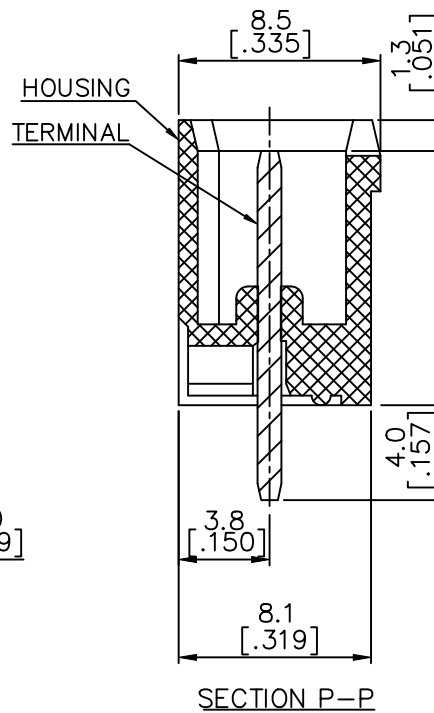
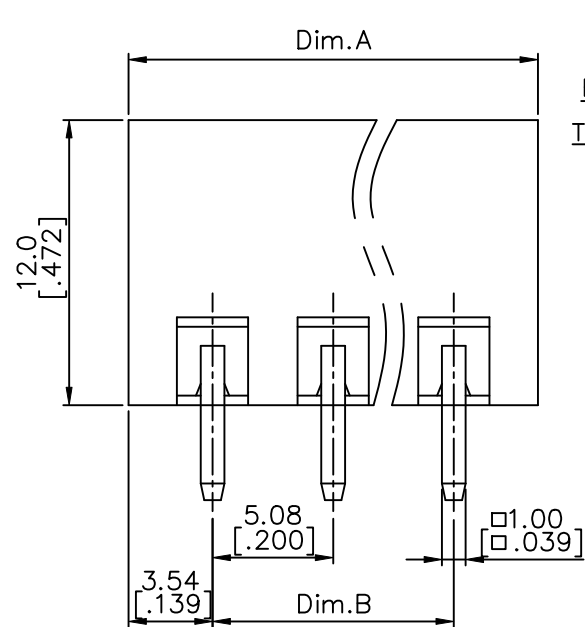
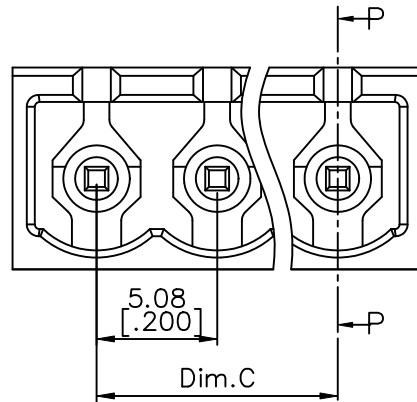
| Poles   | Tolerance         |
|---------|-------------------|
| 2p-6p   | $\pm 0.15 [.006]$ |
| 7p-12p  | $\pm 0.25 [.010]$ |
| 13p-16p | $\pm 0.35 [.014]$ |
| 17p-24p | $\pm 0.40 [.016]$ |



RECOMMENDED P.C.B. LAYOUT

|             |          |       |    |                         |                                                         |                                                                                                     |                                    |
|-------------|----------|-------|----|-------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------|
| 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                    |                                                         |                                                                                                     | title                              |
| K           |          |       |    |                         |                                                         |                                                                                                     | TERMINAL BLOCK                     |
|             |          |       |    | angles                  | tolerances unless otherwise specified                   | MM<br>[INCH]                                                                                        | PLUGABLE, SOCKET, SIGNAL, VERTICAL |
|             |          |       |    | X°±1'                   | X.XX ±0.5 [.020]<br>X.X ±0.3 [.012]<br>X.XX ±0.1 [.004] | scale                                                                                               | sheet 4 of 5 size                  |
|             |          |       |    | dr                      | BEER FU 062509                                          |                | 20020107                           |
|             |          |       |    | enr                     | BEER FU 062509                                          |                                                                                                     | A4                                 |
|             |          |       |    | chr                     | GARY HSIEH 062509                                       |                                                                                                     |                                    |
|             |          |       |    | appd                    | JOSEPH HSIA 062509                                      |                                                                                                     |                                    |
| sheet index | revision | sheet |    |                         |                                                         | type                                                                                                | CUSTOMER Drawing                   |

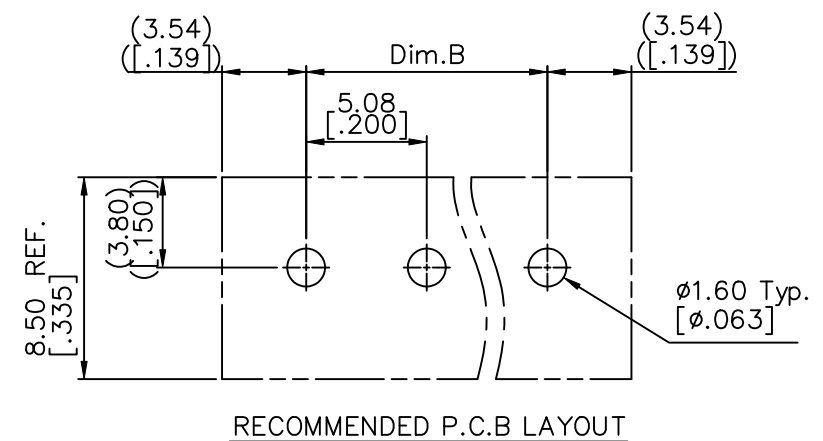
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-HXXXXXXLF | 06-508      | 5.08 mm |



N = NUMBER OF POLES  
DIMENSION

|       |                                  |
|-------|----------------------------------|
| Dim A | $N \cdot 5.08[.200] + 2.0[.079]$ |
| Dim B | $(N-1) \cdot 5.08[.200]$         |
| Dim C | $(N-1) \cdot 5.08[.200]$         |

| Poles   | Tolerance        |
|---------|------------------|
| 2p-6p   | $\pm 0.15[.006]$ |
| 7p-12p  | $\pm 0.25[.010]$ |
| 13p-16p | $\pm 0.35[.014]$ |
| 17p-24p | $\pm 0.40[.016]$ |



|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  |                                                                                       |  |  |  |
|-------------|--|----------------|--|-------------------------|--|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|--|--|
| 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                                                                                 |  |  |  |
| K           |  |                |  |                         |  |                         |  | <div> <div>angles</div> <div>lineal</div> <div> X. <math>\pm 0.5</math> [.020]<br/> X.X <math>\pm 0.3</math> [.012]<br/> X<math>\pm 1</math>°<br/> X.XX <math>\pm 0.1</math> [.004] </div> </div> |  | <div> <div>MM</div> <div>[INCH]</div> </div>                                          |  |  |  |
|             |  |                |  |                         |  |                         |  | scale                                                                                                                                                                                             |  | TERMINAL BLOCK<br>PLUGABLE, SOCKET, SIGNAL, VERTICAL                                  |  |  |  |
|             |  |                |  | dr                      |  | BEER FU                 |  | 062509                                                                                                                                                                                            |  | dwg no<br><div> <div>20020107</div> <div>A4</div> </div>                              |  |  |  |
|             |  |                |  | enr                     |  | BEER FU                 |  | 062509                                                                                                                                                                                            |  |  |  |  |  |
|             |  |                |  | chr                     |  | GARY HSIEH              |  | 062509                                                                                                                                                                                            |  |                                                                                       |  |  |  |
|             |  |                |  | appd                    |  | JOSEPH HSIA             |  | 062509                                                                                                                                                                                            |  | type<br>CUSTOMER Drawing                                                              |  |  |  |
| sheet index |  | revision sheet |  |                         |  |                         |  |                                                                                                                                                                                                   |  |                                                                                       |  |  |  |