



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.

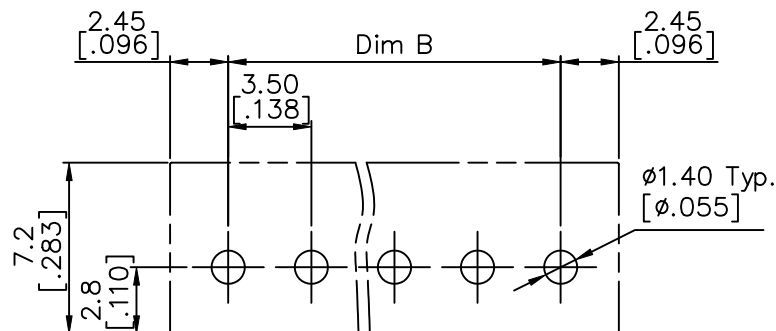
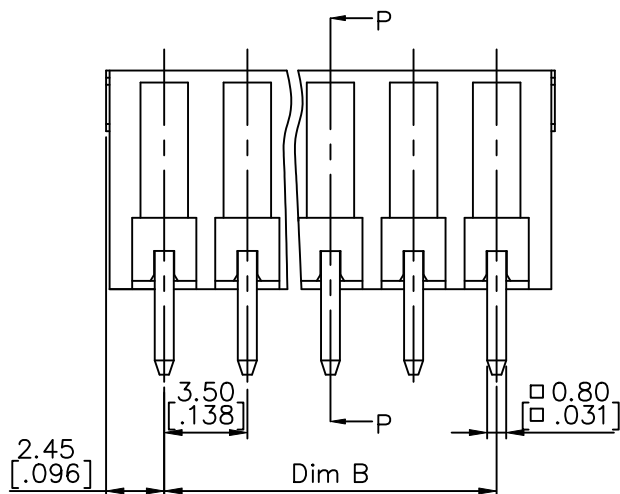
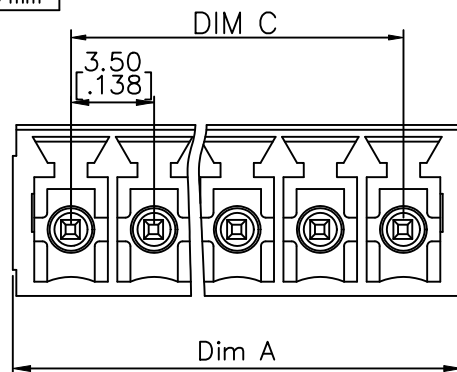
5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

6. RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

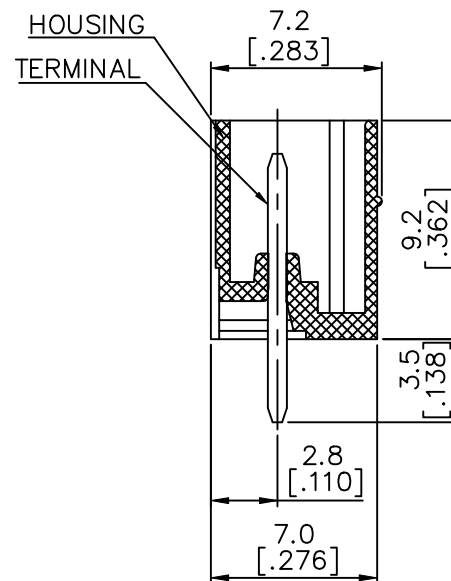
| mat'l. code |          |    |        | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection   | product family                               |
|-------------|----------|----|--------|---------------------------------------|-------------------------|--------------|----------------------------------------------|
|             |          |    |        | tolerances unless otherwise specified |                         |              | TERMINAL BLOCK                               |
| ltr         | ecn no   | dr | date   | angles                                | tolerances              | 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 |



RECOMMENDED P.C.B LAYOUT



SECTION P-P

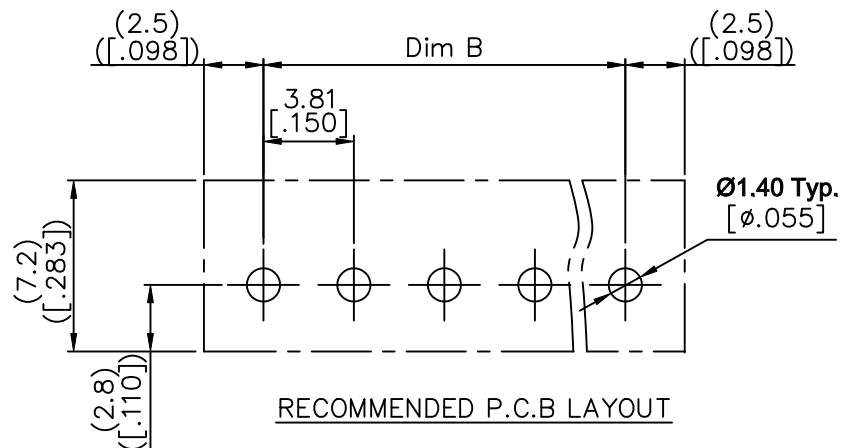
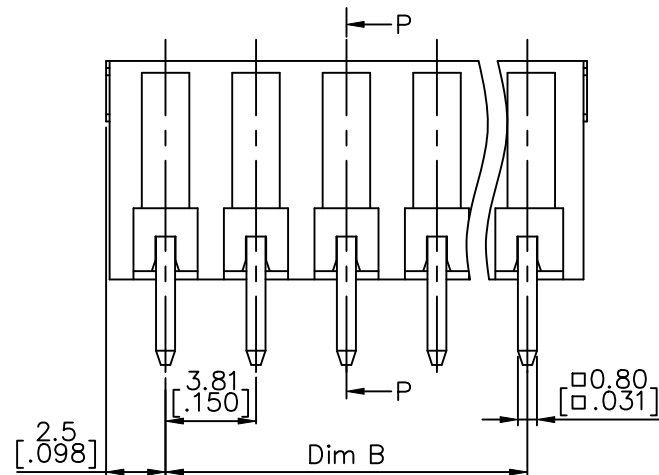
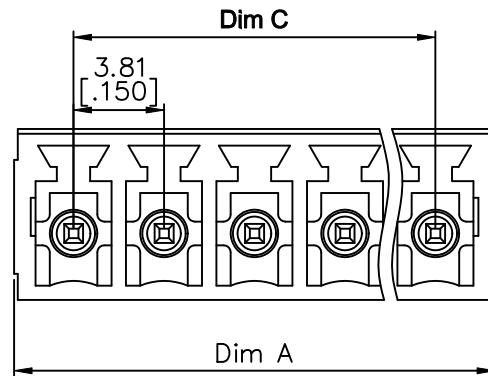
N= NUMBER OF POLES  
DIMENSION

|       |                                        |
|-------|----------------------------------------|
| 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 | $\pm 0.30 [.012]$ |

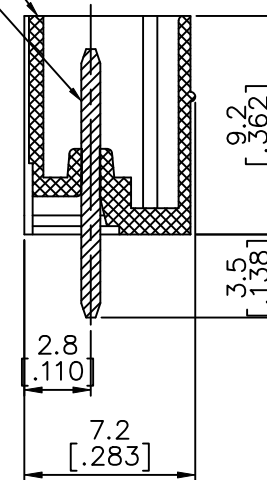
|             |                       |                         |            |                                    |
|-------------|-----------------------|-------------------------|------------|------------------------------------|
| mat'l. code | surface<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection | 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



SECTION P-P

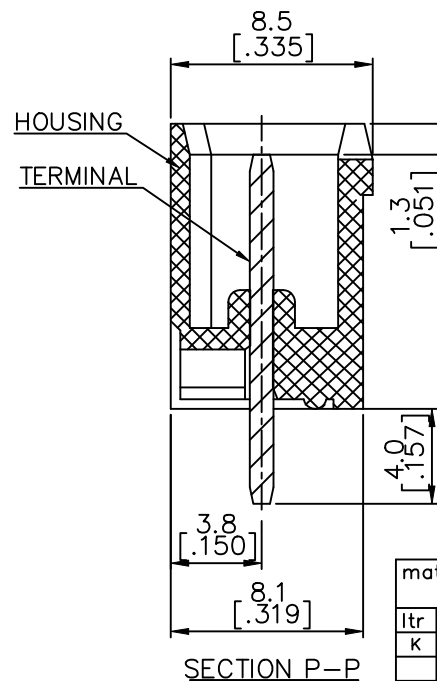
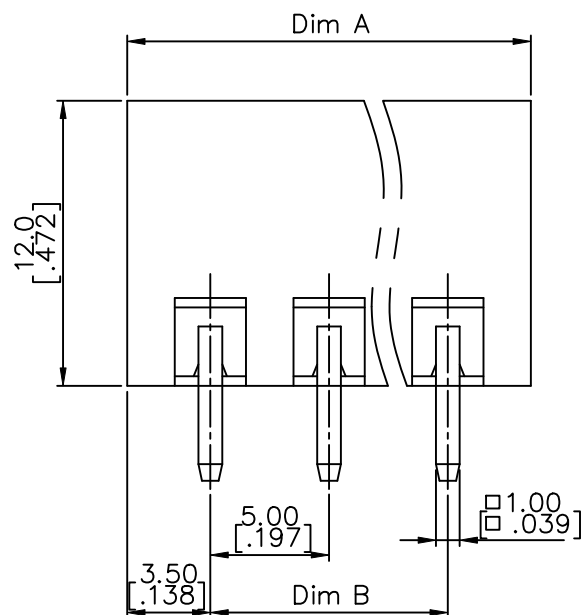
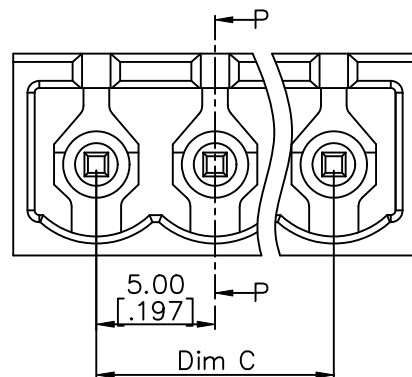
N= NUMBER OF POLES  
DIMENSION

|       |                                         |
|-------|-----------------------------------------|
| 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 | $\pm 0.30 [.012]$ |

|             |                         |                         |                          |                                    |
|-------------|-------------------------|-------------------------|--------------------------|------------------------------------|
| 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 |
|             |                         |                         |                          | sheet 3 of 5                       |
|             |                         |                         |                          | 20020107                           |
|             |                         |                         |                          | A4                                 |
|             |                         |                         |                          | type                               |
|             |                         |                         |                          | CUSTOMER Drawing                   |
| sheet index | revision                | sheet                   |                          |                                    |

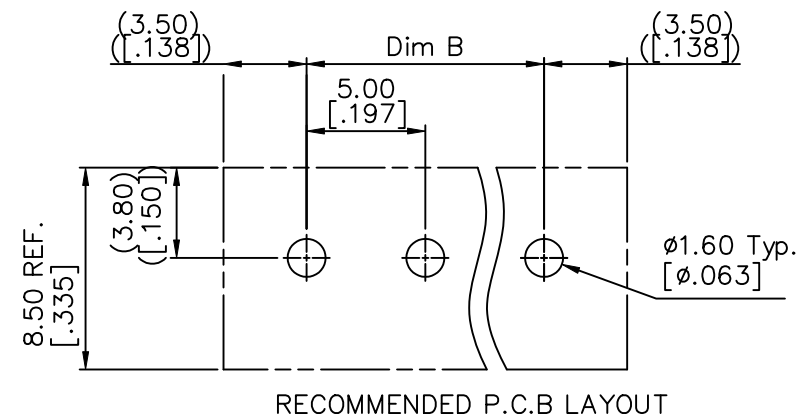
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-GXXXXXXLF | 06-500      | 5.00 mm |



N = NUMBER OF POLES  
DIMENSION

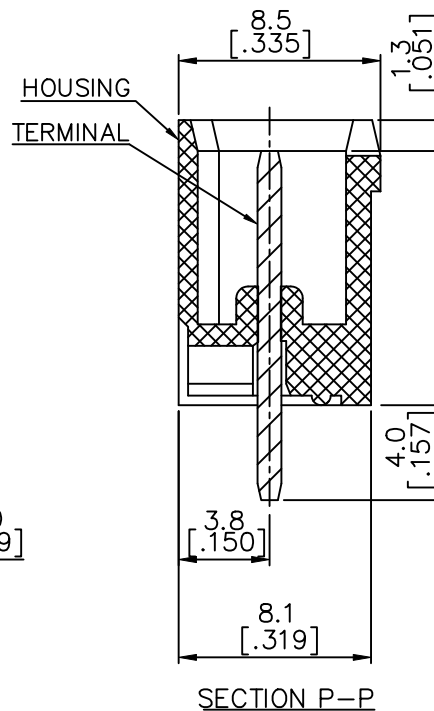
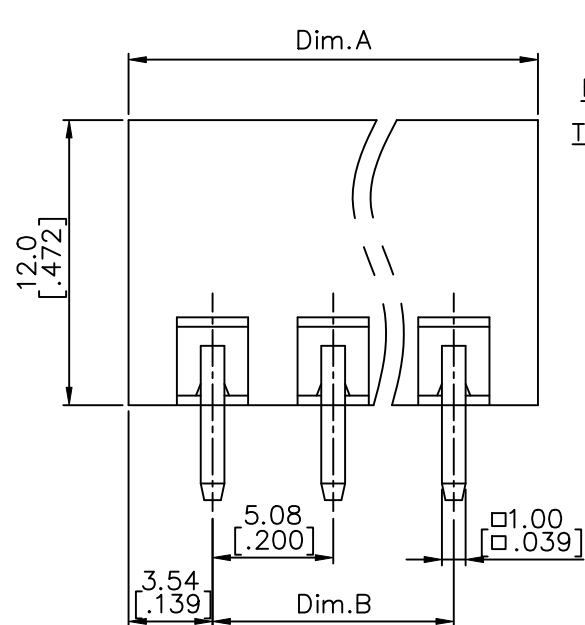
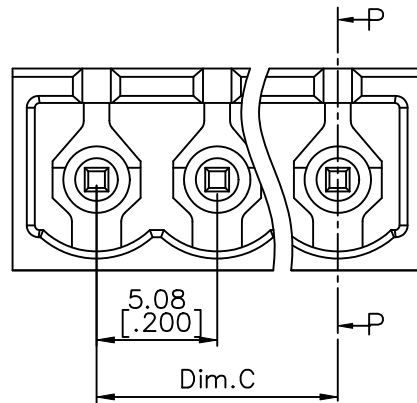
|       |                                  |
|-------|----------------------------------|
| Dim A | $N \times 5.0[.197] + 2.0[.079]$ |
| Dim B | $(N-1) \times 5.0[.197]$         |
| Dim C | $(N-1) \times 5.0[.197]$         |

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



|             |          |       |    |                                       |                         |                                                                                                     |                                    |
|-------------|----------|-------|----|---------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------|
| mat'l. code |          |       |    | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection<br> | product family<br>TERMINAL BLOCK   |
| ltr         | ec       | no    | dr | date                                  |                         |                                                                                                     | title                              |
| K           |          |       |    | tolerances unless otherwise specified |                         |                                                                                                     | TERMINAL BLOCK                     |
|             |          |       |    | angles                                | $X. \pm 0.5[.020]$      | $X.X \pm 0.3[.012]$                                                                                 | PLUGABLE, SOCKET, SIGNAL, VERTICAL |
|             |          |       |    | $X' \pm 1'$                           | $X.XX \pm 0.1[.004]$    | scale                                                                                               | sheet 4 of 5 size                  |
|             |          |       |    | dr                                    | BEER FU                 | 062509                                                                                              | 20020107                           |
|             |          |       |    | enr                                   | BEER FU                 | 062509                                                                                              | A4                                 |
|             |          |       |    | chr                                   | GARY HSIEH              | 062509                                                                                              | type                               |
|             |          |       |    | appd                                  | JOSEPH HSIA             | 062509                                                                                              | CUSTOMER Drawing                   |
| sheet index | revision | sheet |    |                                       |                         |                                                                                                     |                                    |

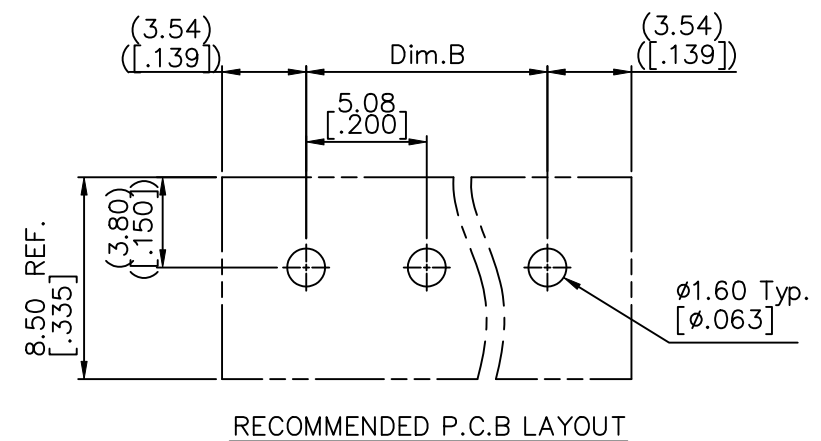
| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020107-HXXXXXXLF | 06-508      | 5.08 mm |



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</div> <div></div> </div> |  |  |  |
|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  | TERMINAL BLOCK<br>PLUGABLE, SOCKET, SIGNAL, VERTICAL                                                                                                           |  |  |  |
|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  | dwg no                      sheet 5 of 5 size                                                                                                                  |  |  |  |
|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  | 20020107                      A4                                                                                                                               |  |  |  |
|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  | type                      CUSTOMER Drawing                                                                                                                     |  |  |  |
| sheet index |  | revision sheet |  |                         |  |                         |  |                                                                                                                                                                                                   |  |                                                                                                                                                                |  |  |  |
|             |  |                |  |                         |  |                         |  |                                                                                                                                                                                                   |  |                                                                                                                                                                |  |  |  |