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1 | 2

3 |

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PRODUCT NUMBER

20020110-XXXXXXLF

20020110-□□□□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

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        |       |                    |                    |                    |                    |

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 |

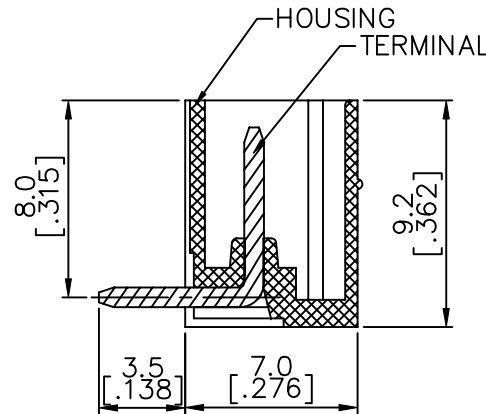
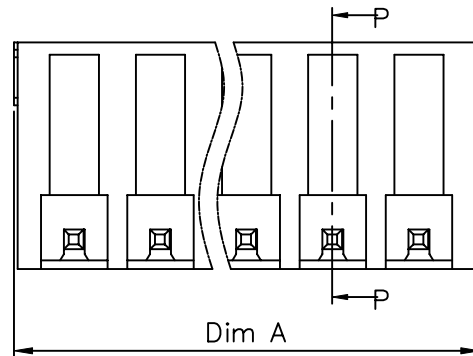
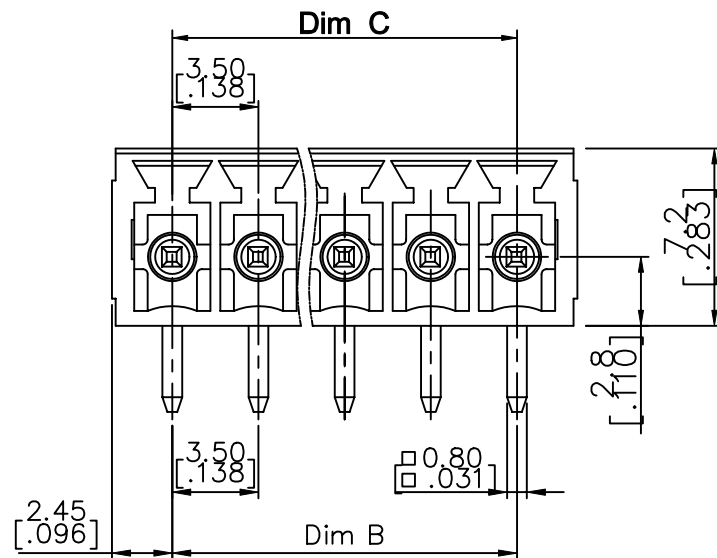
## NOTES:

## MATERIALS

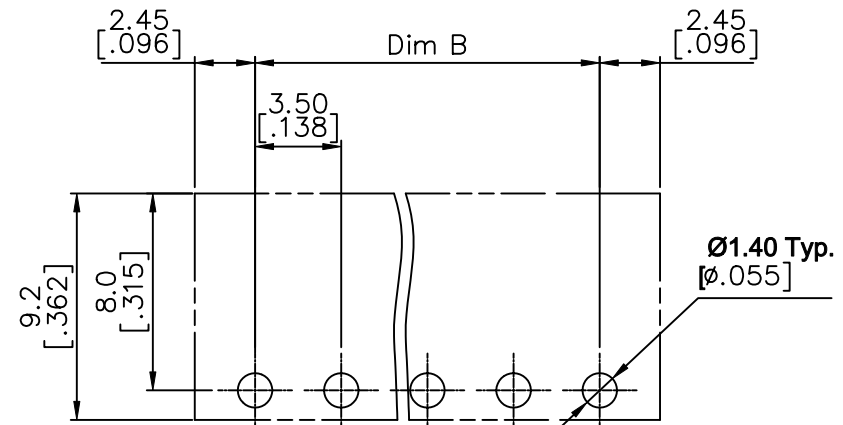
- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 TERMINAL: COPPER ALLOY, TIN PLATED.
2. PRODUCTION SPECIFICATION REFER TO FCI GS-12-625.
3. BOXED PACKAGING.  
DETAILED PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.
4. FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT 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                               | tolerance      | projection | product family                |
|-------------|----------|----|--------|---------------------------------------|----------------|------------|-------------------------------|
|             |          |    |        | ASME Y14.5                            | ASME Y14.5     |            | TERMINAL BLOCK                |
| litr        | ecn no   | dr | date   | tolerances unless otherwise specified |                |            | title                         |
| H           | T10-0193 | WL | 122310 | angles                                | X.±0.5[.020]   |            | TERMINAL BLOCK                |
| J           | T11-0013 | WL | 040811 | tolerances                            | X.X±0.3[.012]  |            | PLUGGABLE SOCKET, RIGHT ANGLE |
| K           | T-004746 | WL | 072011 | X'±1"                                 | X.XX±0.1[.004] | scale      | dwg no                        |
|             |          |    |        | dr                                    | BEER FU        | 062509     | sheet 1 of 5 size             |
|             |          |    |        | enr                                   | BEER FU        | 062509     | 20020110                      |
|             |          |    |        | 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   |
|--------------------|-------------|---------|
| 20020110-CXXXXXXLF | 06-350      | 3.50 mm |



SECTION P-P



RECOMMENDED P.C.B LAYOUT

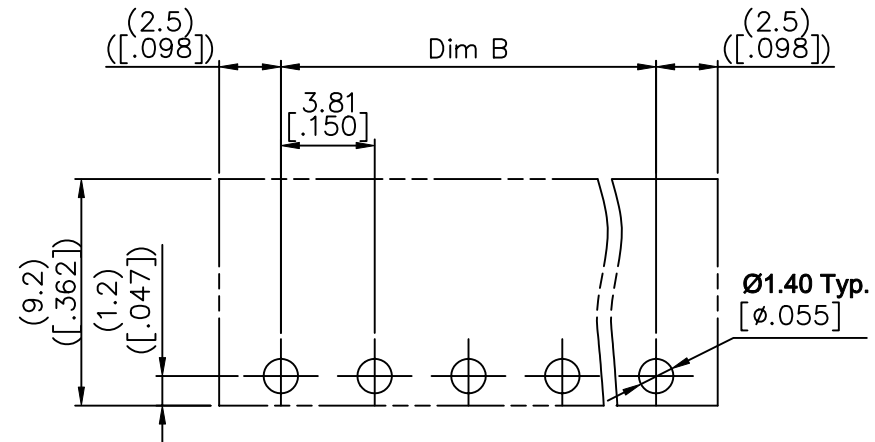
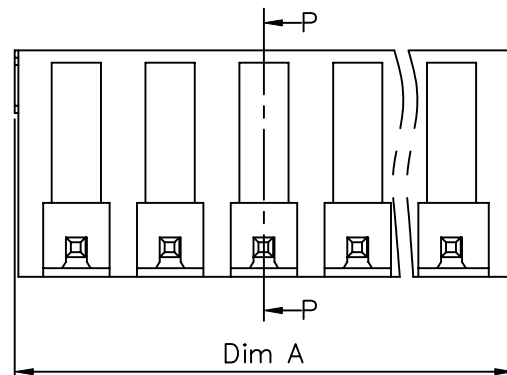
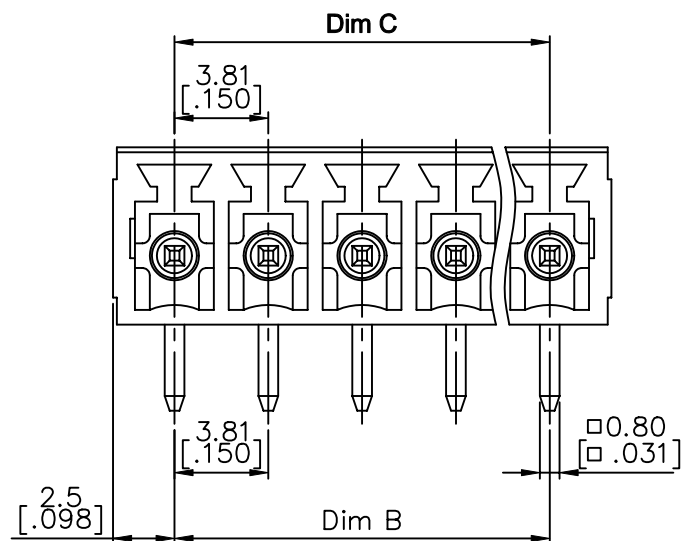
N= NUMBER OF POLES  
DIMENSION

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

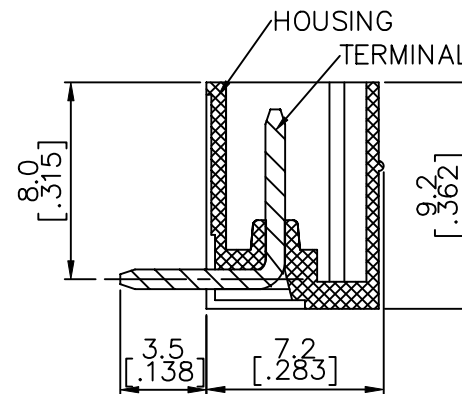
| Poles   | Tolerance         |
|---------|-------------------|
| 2P-6P   | $\pm 0.15 [.006]$ |
| 7P-12P  | $\pm 0.20 [.008]$ |
| 13P-18P | $\pm 0.25 [.010]$ |
| 19P-24P | $\pm 0.30 [.012]$ |

|             |                |    |      |                                       |                         |            |                                  |
|-------------|----------------|----|------|---------------------------------------|-------------------------|------------|----------------------------------|
| mat'l. code |                |    |      | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5 | projection | product family<br>TERMINAL BLOCK |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                         |            | title                            |
| K           |                |    |      | angles                                | $X \pm 0.5 [.020]$      | MM         | TERMINAL BLOCK                   |
|             |                |    |      |                                       | $X.X \pm 0.3 [.012]$    | INCH       | PLUGABLE, SOCKET, SIGNAL, R/A    |
|             |                |    |      | $X \pm 1"$                            | $X.XX \pm 0.1 [.004]$   | scale      | dwg no                           |
|             |                |    |      | dr                                    | BEER FU 062509          | FCI        | sheet 2 of 5                     |
|             |                |    |      | enr                                   | BEER FU 062509          |            | size                             |
|             |                |    |      | chr                                   | GARY HSIEH 062509       |            | A4                               |
|             |                |    |      | appd                                  | JOSEPH HSIA 062509      |            | 20020110                         |
| sheet index | revision sheet |    |      |                                       |                         | type       | CUSTOMER Drawing                 |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020110-DXXXXXXLF | 06-381      | 3.81 mm |



RECOMMENDED P.C.B LAYOUT



SECTION P-P

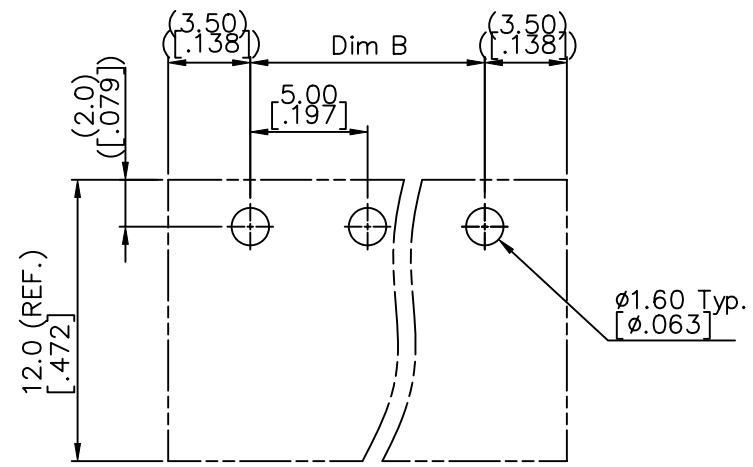
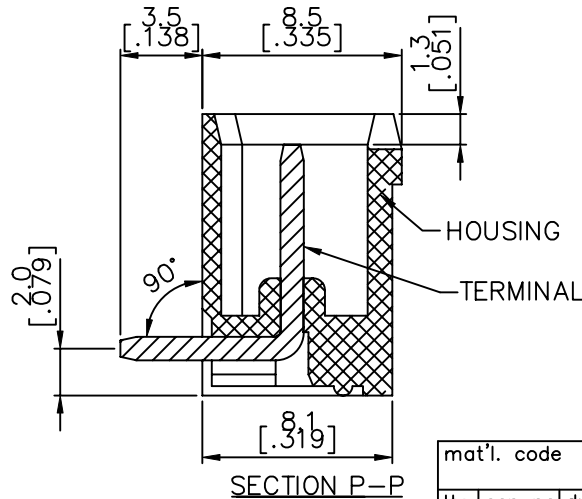
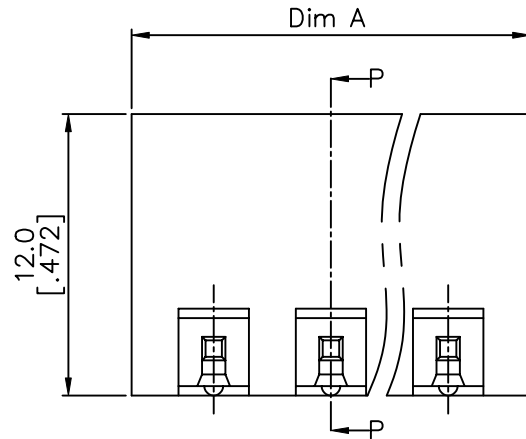
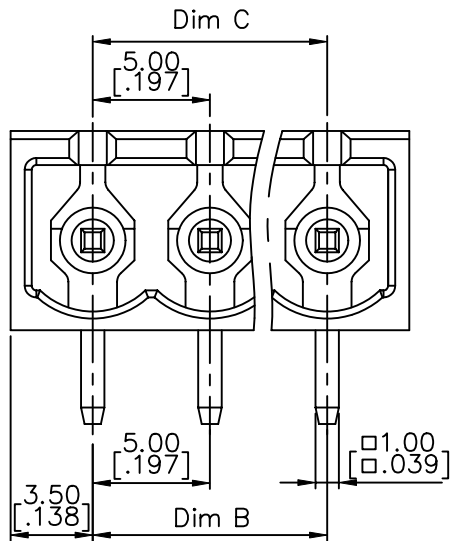
N= NUMBER OF POLES  
DIMENSION

|       |                                         |
|-------|-----------------------------------------|
| 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 | product family<br>TERMINAL BLOCK |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                         |            | title                            |
| K           |                |    |      | angles                                | $X \pm 0.5 [.020]$      | MM         | TERMINAL BLOCK                   |
|             |                |    |      | inches                                | $X.X \pm 0.3 [.012]$    | INCH       | PLUGABLE, SOCKET, SIGNAL, R/A    |
|             |                |    |      | $X \pm 1^\circ$                       | $X.XX \pm 0.1 [.004]$   | scale      | dwg no                           |
|             |                |    |      | dr                                    | BEER FU                 | 062509     | sheet 3 of 5                     |
|             |                |    |      | enr                                   | BEER FU                 | 062509     | size                             |
|             |                |    |      | chr                                   | GARY HSIEH              | 062509     | A4                               |
|             |                |    |      | appd                                  | JOSEPH HSIA             | 062509     | type                             |
| sheet index | revision sheet |    |      |                                       |                         |            | CUSTOMER Drawing                 |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020110-GXXXXXXLF | 06-500      | 5.00 mm |



RECOMMENDED P.C.B LAYOUT

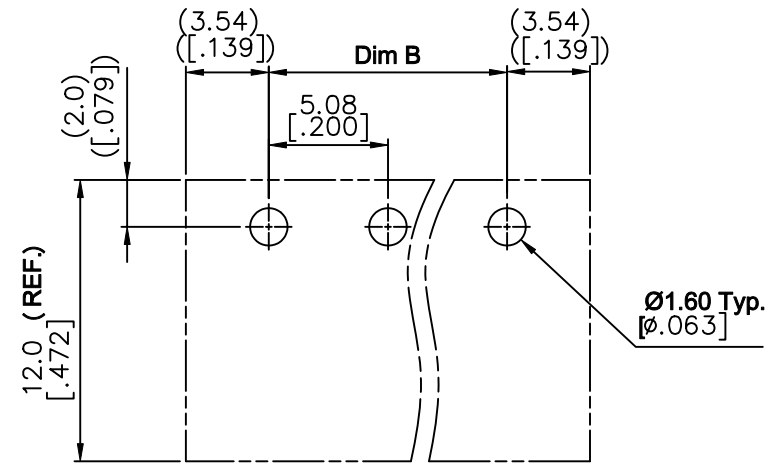
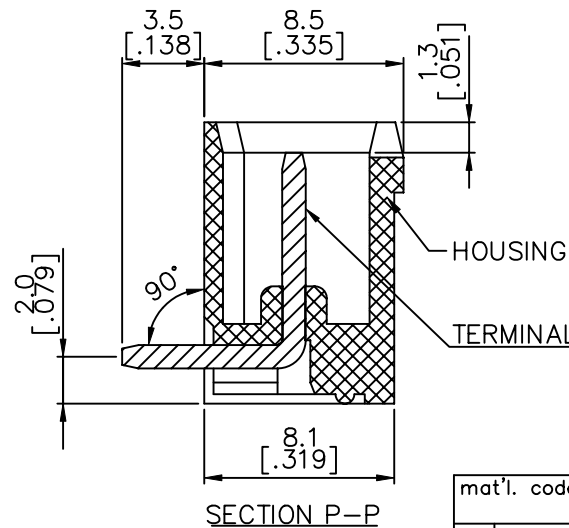
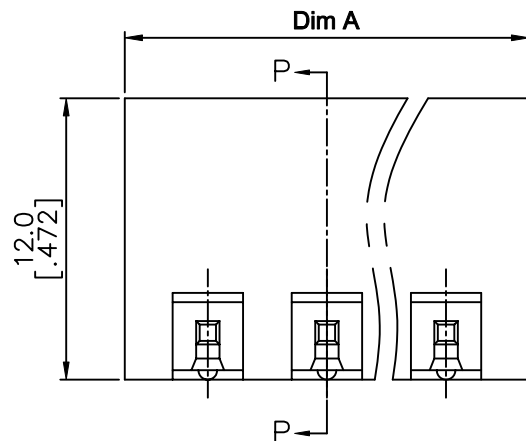
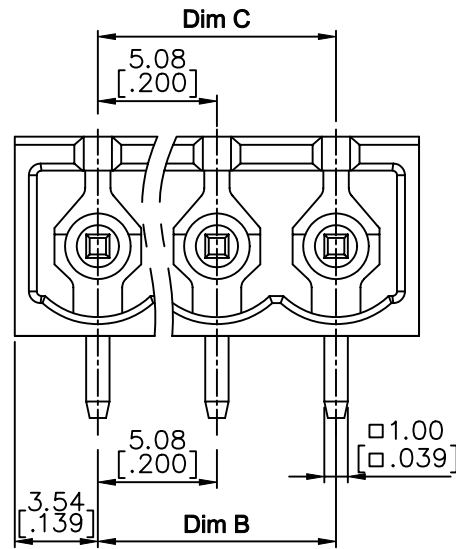
N = NUMBER OF POLES  
DIMENSION

|       |                                  |
|-------|----------------------------------|
| Dim A | $N \times 5.0[.197] + 2.0[.193]$ |
| 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                                                                                    | product family<br>TERMINAL BLOCK                |
| ltr         | ecn no         | dr                    | date                    | tolerances unless otherwise specified                                                         | title                                           |
| K           |                |                       |                         | angles<br>X $\pm 0.5[.020]$<br>X.X $\pm 0.3[.012]$<br>X $\pm 1^\circ$<br>X.XX $\pm 0.1[.004]$ | TERMINAL BLOCK<br>PLUGABLE, SOCKET, SIGNAL, R/A |
|             |                |                       |                         | scale<br>MM<br>INCH                                                                           | dwg no<br>20020110                              |
|             |                |                       |                         | dr<br>BEER FU 062509                                                                          | sheet 4 of 5                                    |
|             |                |                       |                         | enr<br>BEER FU 062509                                                                         | size<br>A4                                      |
|             |                |                       |                         | chr<br>GARY HSIEH 062509                                                                      |                                                 |
|             |                |                       |                         | app<br>JOSEPH HSIA 062509                                                                     |                                                 |
| sheet index | revision sheet |                       |                         |                                                                                               | type<br>CUSTOMER Drawing                        |

| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020110-HXXXXXL | 06-508      | 5.08 mm |



RECOMMENDED P.C.B LAYOUT

N = NUMBER OF POLES  
DIMENSION

|       |                                     |
|-------|-------------------------------------|
| Dim A | $N \times 5.08 [.200] + 2.0 [.193]$ |
| Dim B | $(N-1) \times 5.08 [.200]$          |
| Dim C | $(N-1) \times 5.08 [.200]$          |

| 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     | product family<br>TERMINAL BLOCK                |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                                                                                  | <br>MM<br>INCH | title                                           |
| K           |                |    |      | angles                                | $X \pm 0.5 [.020]$<br>$X.X \pm 0.3 [.012]$<br>$X \pm 1$<br>$X.XX \pm 0.1 [.004]$ |                | TERMINAL BLOCK<br>PLUGABLE, SOCKET, SIGNAL, R/A |
|             |                |    |      | dr                                    | BEER FU 062509                                                                   | scale<br>      | dwg no                                          |
|             |                |    |      | enr                                   | BEER FU 062509                                                                   |                | sheet 5 of 5                                    |
|             |                |    |      | chr                                   | GARY HSIEH 062509                                                                |                | 20020110                                        |
|             |                |    |      | appd                                  | JOSEPH HSIA 062509                                                               |                | A4                                              |
| sheet index | revision sheet |    |      |                                       |                                                                                  |                | type<br>CUSTOMER Drawing                        |