



PRODUCT NUMBER  
20020008-XXXXXXLF

20020008-

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

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 |
| 5    | YELLOW            | ON REQUEST ONLY |

LF: DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT  
W/ BOX PACKING

| PRINTING CODE | POSITION | MARKING       |
|---------------|----------|---------------|
| 0             | NONE     | NONE          |
| 3             | SIDE     | ....4,3,2,1   |
| 5             | SIDE     | ....C,B,A,-,+ |

SCREW CODE

| CODE | SCREW TYPE | AVAILABILITY    |
|------|------------|-----------------|
| A    | -/+        | ON REQUEST ONLY |
| B    | -          | STANDARD        |

| PROPERTY TABLE                            |          |                                                                                     |          |                                                                                     |          |       |
|-------------------------------------------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|----------|-------|
| FCI SERIES NAME                           |          | 02-350                                                                              | 02-381   | 02-500                                                                              | 02-508   |       |
| PITCH (mm)                                |          | 3.50                                                                                | 3.81     | 5.00                                                                                | 5.08     |       |
| VOLTAGE RATING (VAC)                      |          | 300                                                                                 | 300      | 300                                                                                 | 300      |       |
| CURRENT RATING (A)                        | cULus    | 8                                                                                   | 8        | 12                                                                                  | 12       |       |
|                                           | VDE      | 10                                                                                  | 10       | NA                                                                                  | NA       |       |
| APPLICABLE WIRE RANGE (AWG)               |          | 1-WIRE                                                                              | 16~28    | 16~28                                                                               | 12~24    | 12~24 |
|                                           |          | 2-WIRE                                                                              | 20       | 20                                                                                  | 18       | 18    |
| WIRE CROSS SECTION<br>(mm <sup>2</sup> )  | SOLID    | 1-WIRE                                                                              | 1.5      | 1.5                                                                                 | 2.5      | 2.5   |
|                                           |          | 2-WIRE                                                                              | 0.5      | 0.5                                                                                 | 1.0      | 1.0   |
|                                           | STRANDED | 1-WIRE                                                                              | 1.5      | 1.5                                                                                 | 2.5      | 2.5   |
|                                           |          | 2-WIRE                                                                              | 0.75     | 0.75                                                                                | 1.5      | 1.5   |
| OPENING CONTACT HOUSING(mm <sup>2</sup> ) |          | 2.8x1.7                                                                             | 2.8x1.7  | 2.6x3.2                                                                             | 2.6x3.2  |       |
| WIRE STRIP LENGTH(mm)                     |          | 6~7                                                                                 | 6~7      | 6~7                                                                                 | 6~7      |       |
| TORQUE +/-10% (N-m/Lb-in)                 |          | 0.19/1.7                                                                            | 0.19/1.7 | 0.4/3.5                                                                             | 0.4/3.5  |       |
| SCREW                                     |          | M2x0.4                                                                              | M2x0.4   | M3x0.5                                                                              | M3x0.5   |       |
| 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 |       |
| 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 SCREW: STEEL, ZINC PLATED.  
1-3 CLAMP: COPPER ALLOY, NICKEL PLATED.  
1-4 TERMINAL: COPPER ALLOY, TIN PLATED.

## 2. PRODUCT SPECIFICATION REFER TO FCI GS-12-625.

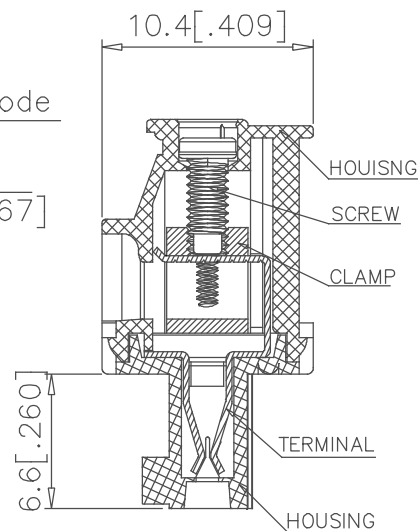
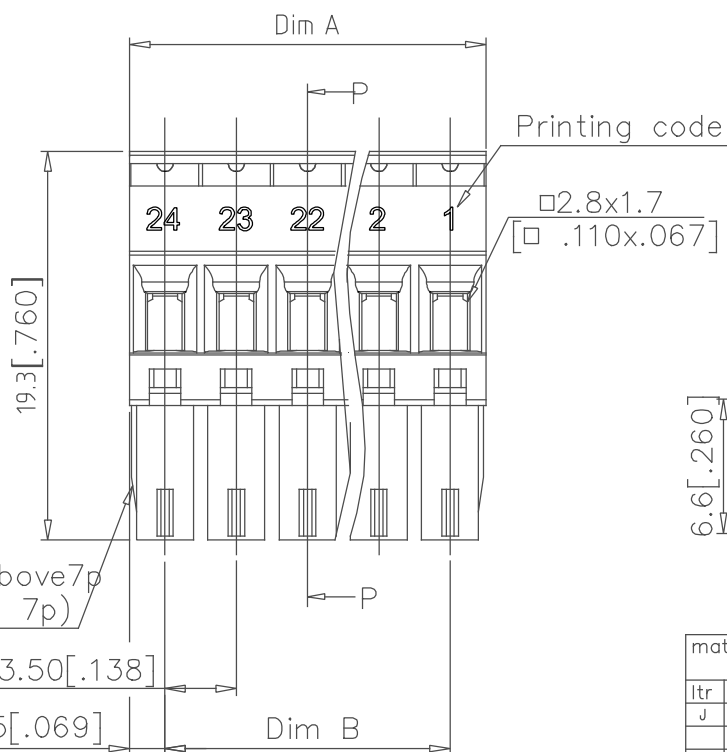
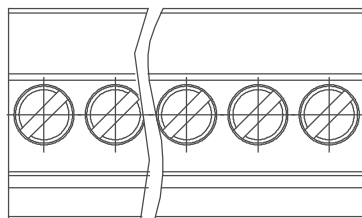
## 3. PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.

## 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.

|                      |  |                |  |                                       |   |                         |   |                                                                                                     |  |                                                                                       |  |                   |  |    |  |
|----------------------|--|----------------|--|---------------------------------------|---|-------------------------|---|-----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------|--|----|--|
| 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                                                                                 |  |                   |  |    |  |
| D T10-0042 WL 030310 |  |                |  | angles<br>line b                      |   | X.±0.5 [.020]           |   | MM<br>[INCH]                                                                                        |  | TERMINAL BLOCK<br>Pluggable plug, hook entry side                                     |  |                   |  |    |  |
| E T10-0082 WL 080510 |  |                |  |                                       |   | X.X±0.3 [.012]          |   |                                                                                                     |  |                                                                                       |  |                   |  |    |  |
| F T10-0172 WL 102010 |  |                |  |                                       |   | X'±1' X.XX±0.1 [.004]   |   |                                                                                                     |  |                                                                                       |  |                   |  |    |  |
| G T11-0013 WL 040811 |  |                |  | dr                                    |   | BEER FU                 |   | 062509                                                                                              |  | dwg no                                                                                |  | sheet 1 of 5 size |  |    |  |
| H T-004746 WL 072011 |  |                |  | enrg                                  |   | BEER FU                 |   | 062509                                                                                              |  |                                                                                       |  |                   |  |    |  |
| J T-012872 LS 091912 |  |                |  | chr                                   |   | GARY HSIEH              |   | 062509                                                                                              |  |                                                                                       |  |                   |  |    |  |
|                      |  |                |  | appd                                  |   | JOSEPH HSIA             |   | 062509                                                                                              |  |  |  | 20020008          |  | A4 |  |
|                      |  |                |  |                                       |   |                         |   |                                                                                                     |  |                                                                                       |  |                   |  |    |  |
|                      |  |                |  |                                       |   |                         |   |                                                                                                     |  |                                                                                       |  |                   |  |    |  |
| sheet index          |  | revision sheet |  | J                                     | J | J                       | J | J                                                                                                   |  |                                                                                       |  |                   |  |    |  |
|                      |  |                |  | 1                                     | 2 | 3                       | 4 | 5                                                                                                   |  |                                                                                       |  |                   |  |    |  |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020008-CXXXXXXLF | 02-350      | 3.50 mm |



SECTION P-P

N= NUMBER OF POLES  
DIMENSION

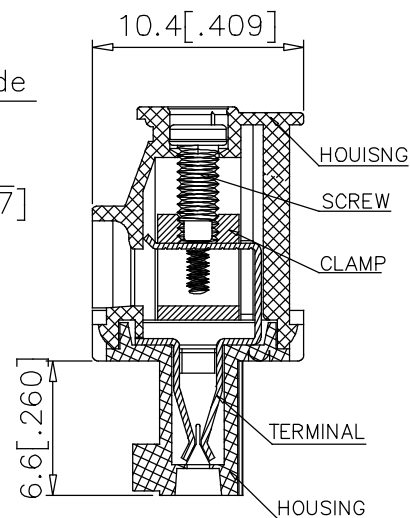
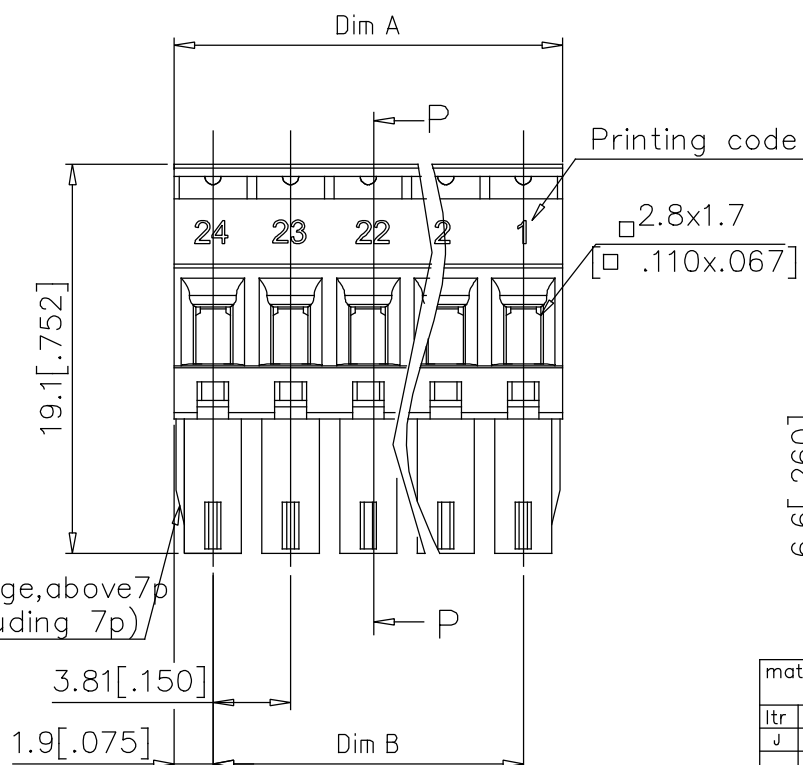
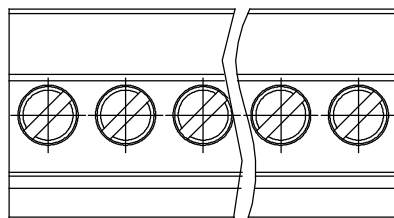
|       |                 |
|-------|-----------------|
| Dim A | N*3.5[.138]     |
| Dim B | (N-1)*3.5[.138] |

| Poles   | Tolerance   |
|---------|-------------|
| 2P-6P   | ±0.15[.006] |
| 7P-12P  | ±0.20[.008] |
| 13P-18P | ±0.25[.010] |
| 19P-24P | ±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         | ecr no                  | dr                      | date                     | title                                                     |
| J           |                         |                         |                          | TERMINAL BLOCK<br>PLUGABLE, PLUG, SIGNAL, ENTRY SIDE HOOK |
|             |                         |                         |                          | scale                                                     |
|             |                         |                         |                          | dwg no                                                    |
|             |                         |                         |                          | sheet 2 of 5                                              |
|             |                         |                         |                          | size                                                      |
|             |                         |                         |                          | A4                                                        |
|             |                         |                         |                          | type                                                      |
|             |                         |                         |                          | CUSTOMER Drawing                                          |
| sheet index | revision sheet          |                         |                          |                                                           |



| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020008-DXXXXXXLF | 02-381      | 3.81 mm |



SECTION P-P

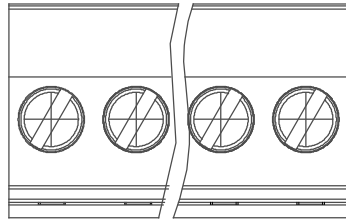
N= NUMBER OF POLES  
DIMENSION

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

| 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         | ecr            | no | dr  | date                  | tolerances unless otherwise specified                                                      | MM<br>[INCH]   | title                                                     |
| J           |                |    |     |                       | angles<br>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, PLUG, SIGNAL, ENTRY SIDE HOOK |
|             |                |    | dr  | BEER FU               | 062509                                                                                     | scale<br>      | dwg no                                                    |
|             |                |    | enr | BEER FU               | 062509                                                                                     |                | sheet 3 of 5                                              |
|             |                |    | chr | GARY HSIEH            | 062509                                                                                     |                | size                                                      |
|             |                |    | app | JOSEPH HSIA           | 062509                                                                                     |                | 20020008                                                  |
|             |                |    |     |                       |                                                                                            |                | A4                                                        |
| sheet index | revision sheet |    |     |                       |                                                                                            |                | type                                                      |
|             |                |    |     |                       |                                                                                            |                | CUSTOMER Drawing                                          |

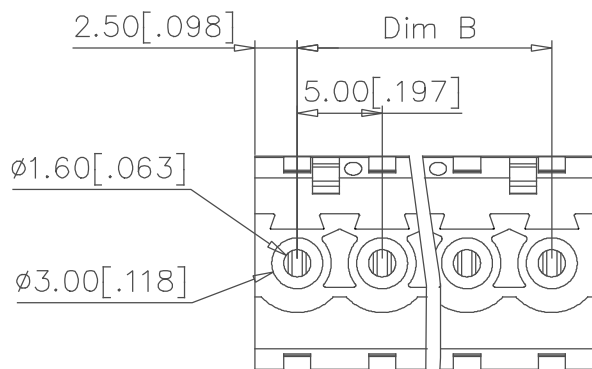
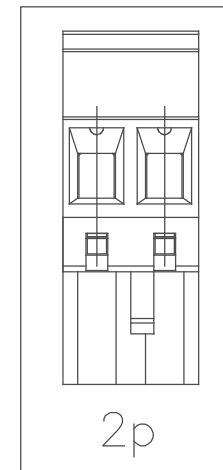
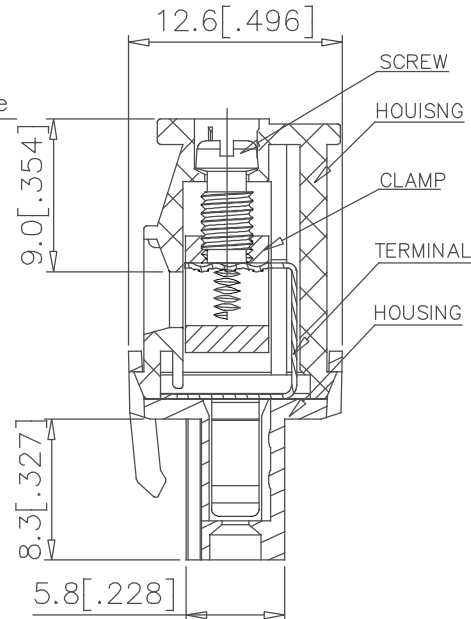
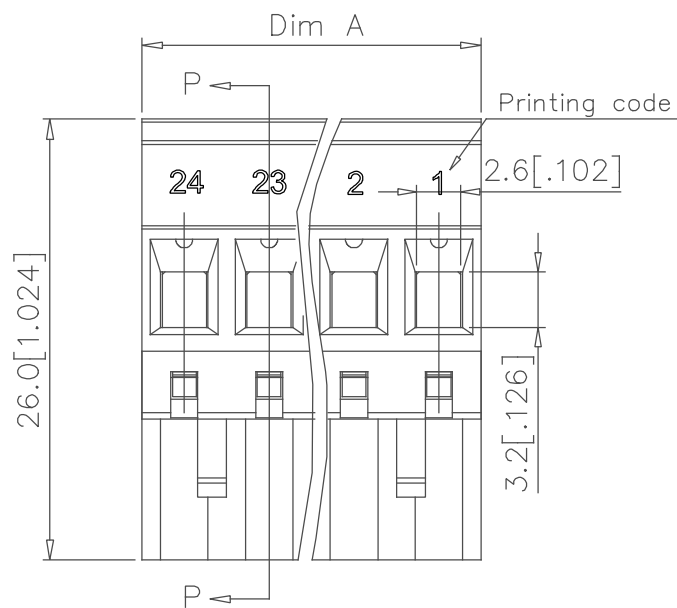
| PRODUCT NUMBER   | SERIES NAME | PITCH   |
|------------------|-------------|---------|
| 20020008-GXXXXXL | 02-500      | 5.00 mm |



N= NUMBER OF POLES  
DIMENSION

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

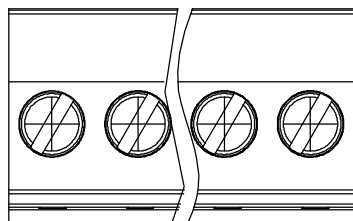
| Poles   | Tolerance        |
|---------|------------------|
| 2P-6P   | $\pm 0.15[.006]$ |
| 7P-12P  | $\pm 0.25[.010]$ |
| 13P-18P | $\pm 0.30[.012]$ |
| 19P-24P | $\pm 0.40[.016]$ |



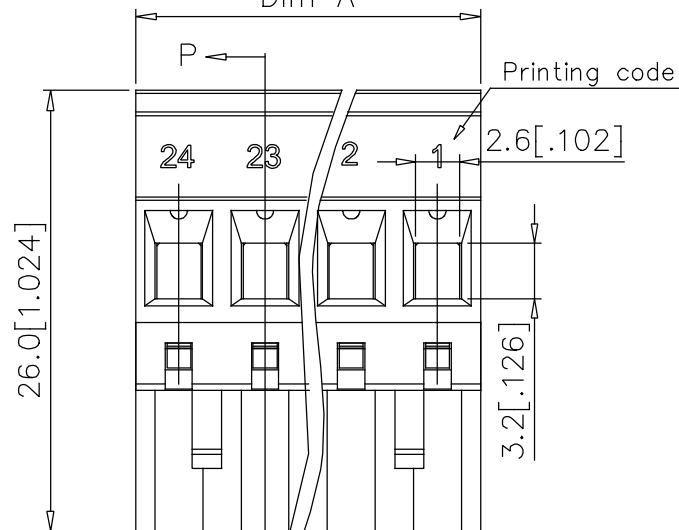
SECTION P-P

|             |        |                 |                     |                                                          |                  |
|-------------|--------|-----------------|---------------------|----------------------------------------------------------|------------------|
| mat'l. code |        | surface         | tolerance           | projection                                               | product family   |
|             |        | ASME Y14.5      | ASME Y14.5          |                                                          | TERMINAL BLOCK   |
| ltr         | ecn no | dr              | date                | title                                                    |                  |
| J           |        |                 |                     | TERMINAL BLOCK<br>PLUGABLE, PLUG, SIGNAL, ENTRYSIDE HOOK |                  |
|             |        | angles          | tolerance           | scale                                                    | dwg no           |
|             |        | $X \pm 1^\circ$ | $X.X \pm 0.3[.012]$ | $\frac{MM}{INCH}$                                        | 20020008         |
|             |        | dr              | BEER FU             | 062509                                                   | sheet 4 of 5     |
|             |        | enr             | BEER FU             | 062509                                                   | size             |
|             |        | chr             | GARY HSEH           | 062509                                                   | A4               |
|             |        | appd            | JOSEPH HSIA         | 062509                                                   | type             |
| sheet index |        | revision sheet  |                     |                                                          | CUSTOMER Drawing |

| PRODUCT NUMBER     | SERIES NAME | PITCH   |
|--------------------|-------------|---------|
| 20020008-HXXXXXXLF | 02-508      | 5.08 mm |



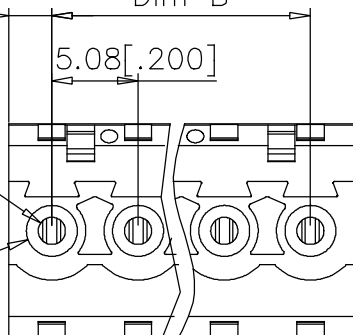
Dim A



2.54 [.100] Dim B

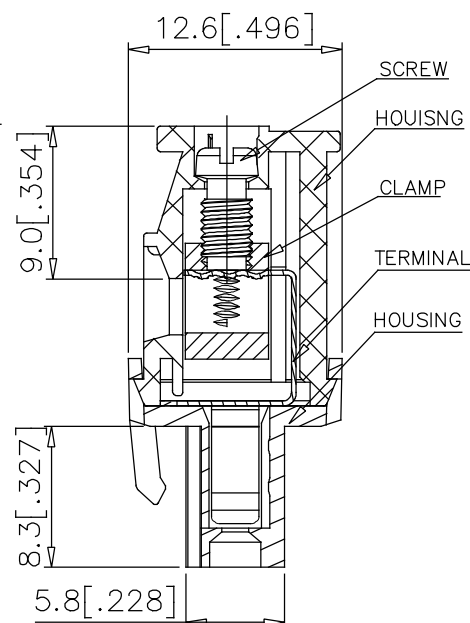
Ø1.60 [.063]

Ø3.00 [.118]

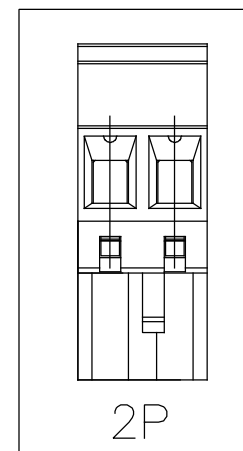
N= NUMBER OF POLES  
DIMENSION

|       |                  |
|-------|------------------|
| Dim A | Nx5.08[.200]     |
| Bim B | (N-1)x5.08[.200] |

| Poles   | Tolerance   |
|---------|-------------|
| 2P-6P   | ±0.15[.006] |
| 7P-12P  | ±0.25[.010] |
| 13P-18P | ±0.30[.012] |
| 19P-24P | ±0.40[.016] |



SECTION P-P



|             |                |            |            |                                       |                                         |
|-------------|----------------|------------|------------|---------------------------------------|-----------------------------------------|
| mat'l. code |                | surface    | tolerance  | projection                            | product family                          |
|             |                | ASME Y14.5 | ASME Y14.5 |                                       | TERMINAL BLOCK                          |
| ltr         | ecn no         | dr         | date       | tolerances unless otherwise specified | title                                   |
| J           |                |            |            | angles                                | TERMINAL BLOCK                          |
|             |                |            |            | linear                                | PLUGABLE, PLUG, SIGNAL, ENTRY SIDE HOOK |
|             |                |            |            | radius                                |                                         |
|             |                |            |            | fillet                                |                                         |
|             |                |            |            | dr                                    | dwg no                                  |
|             |                |            |            | enr                                   | sheet 5 of 5                            |
|             |                |            |            | chr                                   | size                                    |
|             |                |            |            | appd                                  | 20020008                                |
|             |                |            |            |                                       | A4                                      |
|             |                |            |            |                                       | type                                    |
|             |                |            |            |                                       | CUSTOMER Drawing                        |
| sheet index | revision sheet |            |            |                                       |                                         |