

PRODUCT NUMBER

20020705-XXXXXXI F

20020705- □ □ □ □ □ □ □ L F

PITCH

ROLES

J: 6.35 mm
M: 7.62 mm
S: 9.52 mm

02: 2 POLES
03: 3 POLES

LF : DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT
W/ BOX PACKING

PROPERTY TABLE

| PROPERTY TABLE | | | | |
|---|----------|---|--------------------|--------------------|
| FCI SERIES NAME | | 12-635 | 12-762 | 12-952 |
| PITCH (mm) | | 6.35 | 7.62 | 9.52 |
| VOLTAGE RATING (VAC) | | 300 | 300 | 300 |
| CURRENT RATING (A) | | 30 | 30 | 30 |
| APPLICABLE WIRE RANGE (AWG) | | 1-WIRE 2-WIRE | 10~24 16 | 10~24 16 |
| WIRE CROSS SECTION (mm ²) | SOLID | 1-WIRE 2-WIRE | 6.0 1.5 | 6.0 1.5 |
| | STRANDED | 1-WIRE | 4.0 | 4.0 |
| | | 2-WIRE | 1.5 | 1.5 |
| OPENING CONTACT HOUSING(mm ²) | | 3.4x3.5 | 3.4x3.5 | 3.4x3.5 |
| WIRE STRIP LENGTH(mm) | | 6~7 | 6~7 | 6~7 |
| TORQUE +/-10% (N·M/Lb·in) | | 0.8/6.9 | 0.8/6.9 | 0.8/6.9 |
| SCREW | | M3.5x0.5 | M3.5x0.5 | M3.5x0.5 |
| WITHSTANDING VOLTAGE (kV) | | 1.6 | 1.6 | 1.6 |
| OPERATING TEMP. (°C) | | -40~+115 | -40~+115 | -40~+115 |
| SOLDERING TEMP. (°C) | | 250±10 (5 sec.) | 250±10 (5 sec.) | 250±10 (5 sec.) |
| POLES AVAILABLE | | 02~03 | 02~03 | 02~03 |
| 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 |

— SCREW CODE

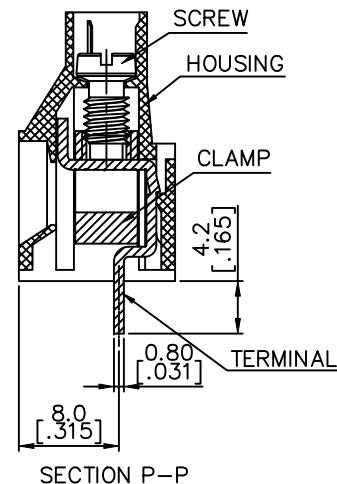
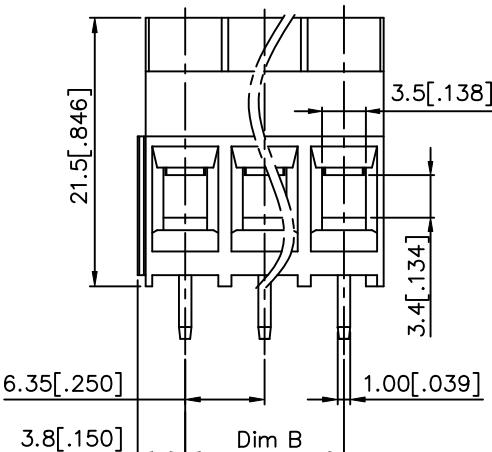
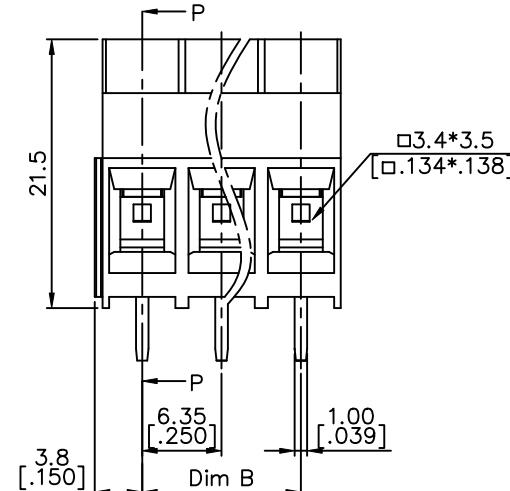
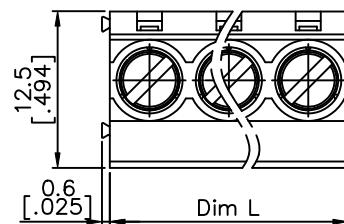
| CODE | SCREW TYPE | AVAILABILITY |
|------|------------|---|
| A | -/+ |  ON REQUEST ONLY |
| B | - |  STANDARD |

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.
6. RECOMENDED SOLDERING PROCESS BY WAVE SOLDER.

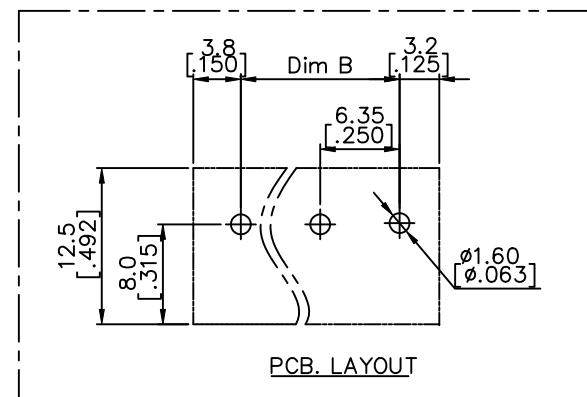
| mat'l. code | | | | surface ASME Y14.5 | tolerance ASME Y14.5 | projection | product family | TERMINAL BLOCK | | | |
|-------------|----------|----|--------|---|-------------------------|------------|----------------|---|------------------|--------------|------|
| Itr | ecn no | dr | date | tolerances unless otherwise specified | | | | title | | | |
| D | T10-0029 | JH | 012710 | angles  X.±0.5 | | | | MM | | | |
| E | T10-0042 | WL | 030310 | line  X.X±0.3 | | | | [INCH] | | | |
| F | T10-0143 | WL | 090610 | X'±1*  XXX±0.1 | | | | scale | | | |
| G | T10-0161 | WL | 101210 | dr | BEER | FU | 062509 |  | dwg no | sheet 1 of 4 | size |
| H | T11-0001 | WL | 011111 | engr | BEER | FU | 062509 | | 20020705 | | A4 |
| J | T-004746 | WL | 072211 | chr | GARY | HSIEH | 062509 | type | CUSTOMER Drawing | | |
| K | T-006066 | WL | 091911 | appd | JOSEPH | HSIA | 062509 | | | | |
| sheet | revision | K | K | K | | | | | | | |
| index | sheet | 1 | 2 | 3 | 4 | | | | | | |

| PRODUCT NUMBER | SERIES NAME | PITCH |
|--------------------|-------------|---------|
| 20020705-JXXXXXXLF | 12-635 | 6.35 mm |



N = Number of poles
 Dim L=Nx6.35[.250]
 Dim B=(N-1)x6.35[.250]

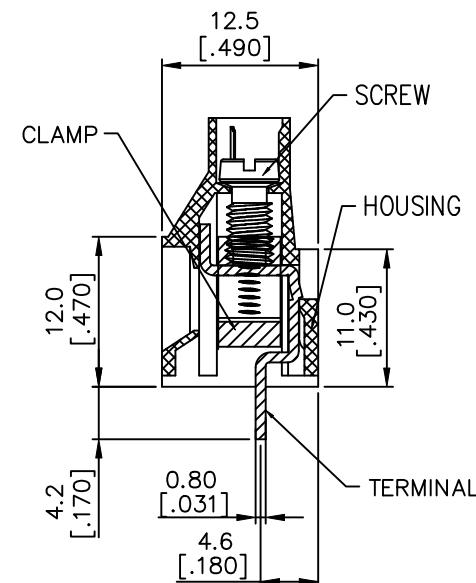
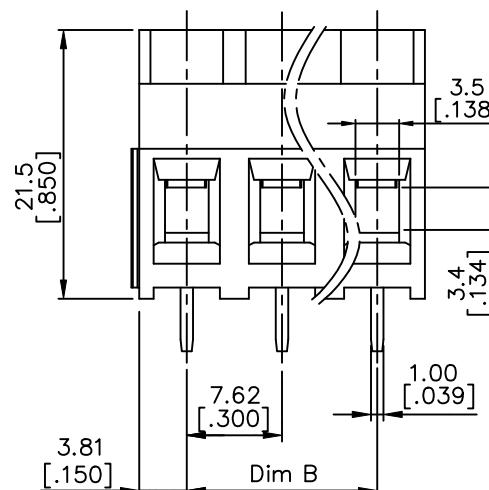
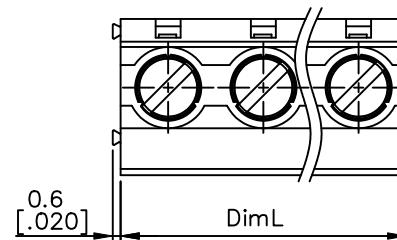
| Poles | Tolerance |
|-------|--------------|
| 2-3p | ±0.15 [.006] |



| mat'l. code | | | | surface | tolerance | projection | product family |
|-------------|-----|----------------|------|---------------------------------------|-------------------------|------------|----------------|
| ltr | ecn | no | dr | ASME Y14.5 | ASME Y14.5 | | TERMINAL BLOCK |
| K | | | | tolerances unless otherwise specified | | | |
| | | | | angles ϕ | $X \pm 0.5 [0.020]$ | MM | |
| | | | | $X \times 0.3 [0.012]$ | | [INCH] | |
| | | | | $X' \pm 1^{\circ}$ | $X, XX \pm 0.1 [0.004]$ | scale | |
| | | | dr | WENDY CHEN | 090610 | | |
| | | | engr | JASON HSU | 090610 | | |
| | | | chr | GARY HSIEH | 090610 | | |
| | | | appd | JOSEPH HSIA | 090610 | | |
| sheet index | | revision sheet | | | | | |



| PRODUCT NUMBER | SERIES NAME | PITCH |
|--------------------|-------------|---------|
| 20020705-MXXXXXXLF | 12-762 | 7.62 mm |

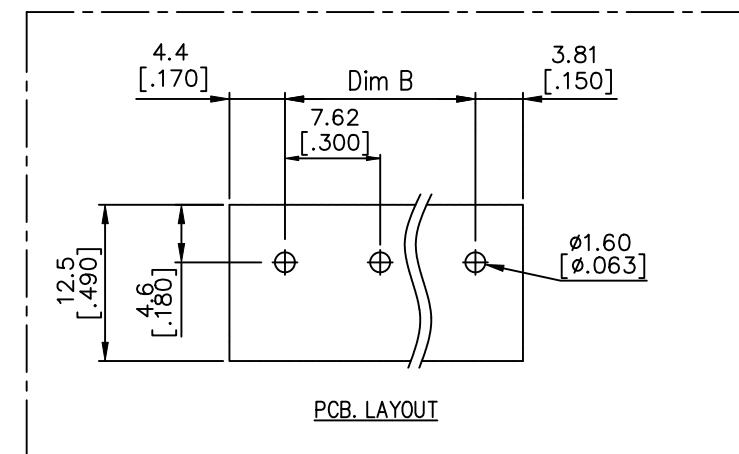


N = Number of poles

Dim L=Nx7.62[.300]

Dim B=(N-1)x7.62[.300]

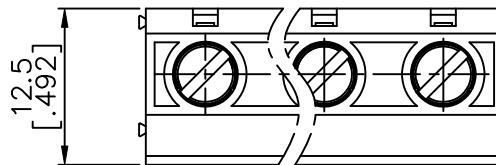
| Poles | Tolerance |
|-------|--------------|
| 2-3p | ±0.15 [.006] |



| mat'l. code | | | | surface | tolerance | projection | product family |
|-------------|-----|----------------|------|---------------------------------------|-----------------|------------|----------------|
| ltr | ecn | no | dr | ASME Y14.5 | ASME Y14.5 | | TERMINAL BLOCK |
| K | | | | tolerances unless otherwise specified | | | |
| | | | | angles | X.±0.5 [.020] | MM | |
| | | | | X.±0.3 [.012] | | [INCH] | |
| | | | | X.±1° | X.XX±0.1 [.004] | scale | |
| | | | dr | BEER FU | 062509 | | |
| | | | engr | BEER FU | 062509 | | |
| | | | chr | GARY HSIEH | 062509 | | |
| | | | appd | JOSEPH HSIA | 062509 | | |
| sheet index | | revision sheet | | | | | |



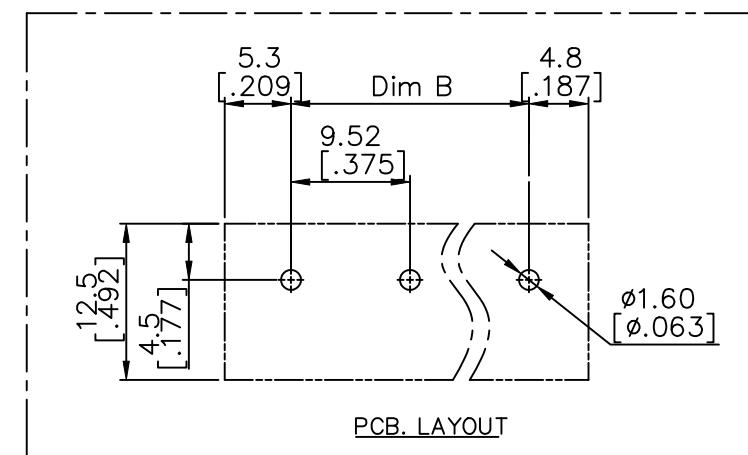
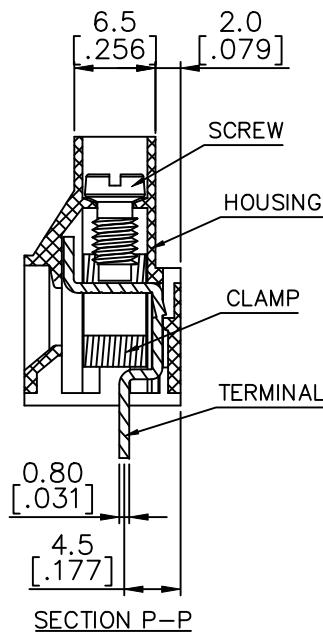
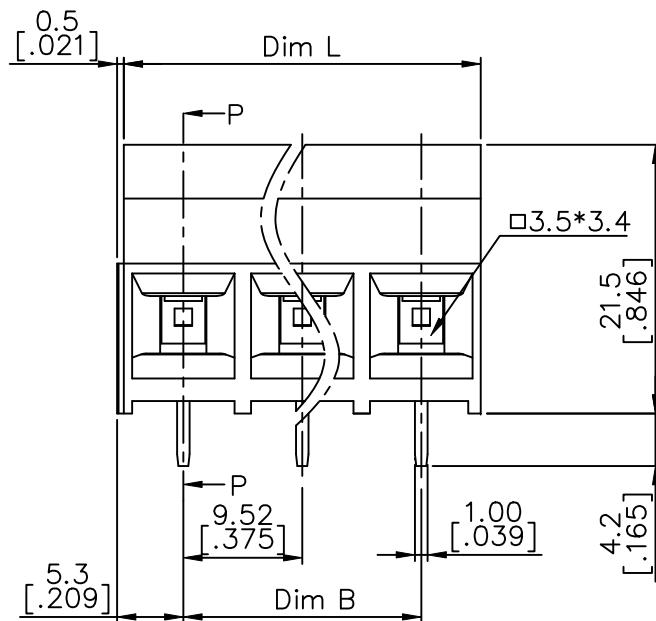
| PRODUCT NUMBER | SERIES NAME | PITCH |
|--------------------|-------------|---------|
| 20020705-SXXXXXXLF | 12-952 | 9.52 mm |



N=Number of poles

| | |
|-------|--------------------|
| Dim L | $N*9.52[.375]$ |
| Dim B | $(N-1)*9.52[.375]$ |

| Poles | Tolerance |
|-------|------------------|
| 2p-3p | $\pm 0.15[.006]$ |



| | | | | | | | | | | | | |
|-------------|----------|----|-----------------------|------|-------------------------|---------------------------------------|----------------|----------------|---|----------------|--|---------|
| mat'l. code | | | surface ASME Y14.5 | | tolerance ASME Y14.5 | | projection | product family | | TERMINAL BLOCK | | |
| Itr | ecn | no | dr | date | | tolerances unless otherwise specified | | title | | | | |
| K | | | | | | angles | X.±0.5[.020] | | | | | MM |
| | | | | | | X.X±0.3[.012] | [INCH] | TERMINAL BLOCK | | | | |
| | | | | | | X'±1" | X.XX±0.1[.004] | scale | FIXED POWER PLUG, HORIZONTAL WIRE INLET | | | |
| | | | | dr | BEER FU | | 062509 | dwg no | | sheet 4 of 4 | | size |
| | | | | engr | BEER FU | | 062509 | | | 20020705 | | A4 |
| | | | | chr | GARY HSIEH | | 062509 | type | | CUSTOMER | | Drawing |
| | | | | appd | JOSEPH HSIA | | 062509 | | | | | |
| sheet | revision | | | | | | | | | | | |
| index | sheet | | | | | | | | | | | |