FCI CONFIDENTIAL

| PRODUCT NUMBER |
| --- |
| 20020110-XXXXA01LF |

# 20020110- □ □ □ □ A 0 1 L F

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
- 1: GREEN
- 2: BLACK

LF: DENOTED RoHS COMPATIBLE

| 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) | 10 | 10 | 12 | 12 |
| WITHSTANDING VOLTAGE (kV) | 1.6 | 1.6 | 1.6 | 1.6 |
| OPERATING TEMP. (°C) | -40~+115 | -40~+115 | -40~+115 | -40~+115 |
| SOLDERING TEMP. (°C) | 250±10 (5 sec.) | 250±10 (5 sec.) | 250±10 (5 sec.) | 250±10 (5 sec.) |
| POLES AVAILABLE | 02~24 | 02~24 | 02~24 | 02~24 |
| SAFETY CERTIFICATE | c FN us | | c FN us | |

**NOTES:**
1. **MATERIALS**
   **1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.**
   **1-2 TERMINAL: COPPER, TIN PLATED.**
2. **PRODUCT 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.



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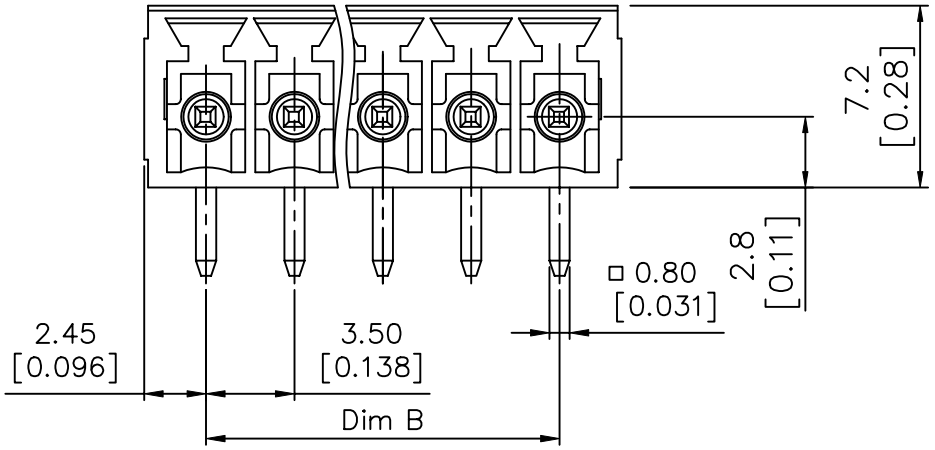
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | |
| --- | --- | --- |
| LINEAR | X. | ±0.5 |
| | X.X | ±0.30 |
| | X.XX | ±0.10 |
| ANGULAR | X° | ±1° |

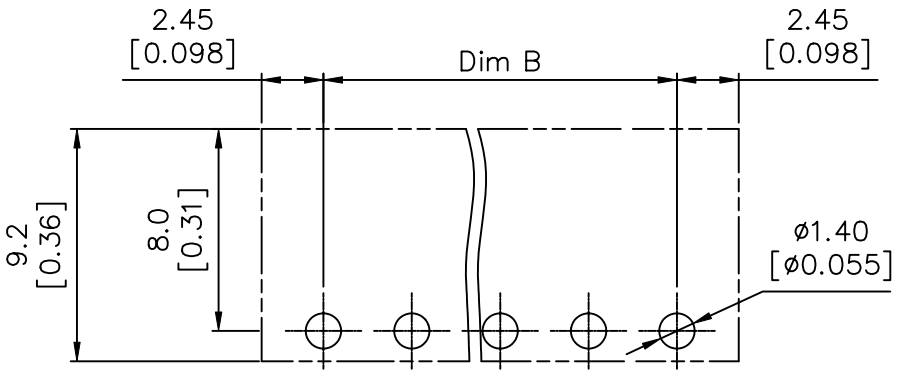
| rev | ecn no | dr | date |
| --- | --- | --- | --- |
| A | DG09-0203 | BF | 062509 |
| B | T09-1148 | BF | 111709 |
| C | T09-1152 | BF | 112609 |
| D | T10-0042 | WL | 030310 |
| E | T10-0109 | WL | 070810 |

| | | | | | |
| --- | --- | --- | --- | --- | --- |
| Material | | | Spec ref | * | |
| Mat code | | | tolerance | projection | MM |
| Heattreat | | | | | |
| Plating/Finish | | | | | |
| Dr | BEER FU | 062509 | | size A4 | Scale |
| Eng | BEER FU | 062509 | Product family | | |
| Chr | GARY HSIEH | 062509 | Model Name | ECN | T10-0109 |
| Appr | JOSEPH HSIA | 062509 | Model Revision | REL Level | RELEASED |
| title | TERMINAL BLOCK<br>Pluggable socket, right angle | | | dwg no | 20020110 |
| | | | | Rev. | E |
| Pro/E file | catalog no | | | CUSTOMER | sheet 1 of 5 |

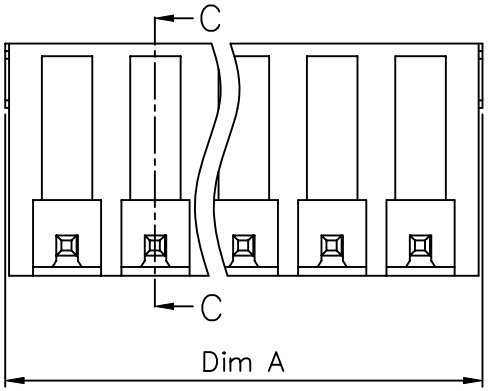
PDM: Rev:E STATUS: Released Printed: Jul 21, 2010

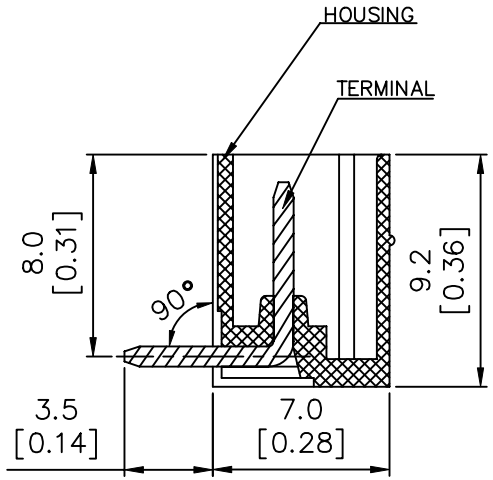
| PRODUCT NUMBER | SERIES NAME | PITCH |
|---|---|---|
| 20020110-CXXXA01LF | 06-350 | 3.50 mm |




RECOMMENDED PCB LAYOUT




SECTION C-C

N = Number of poles
Dim A=Dim B+4.9[0.193]
Dim B=(N-1)x3.5[0.138]

| TOL. | Dim A | Dim B |
|---|---|---|
| 2-6p | ±0.15[0.006] | |
| 7-12p | ±0.20[0.008] | |
| 13-18p | ±0.25[0.010] | |
| 19-24p | ±0.30[0.012] | |

| | | | | | |
|---|---|---|---|---|---|
| Material | | | Spec ref | | |
| Mat code | | | tolerance | projection | MM |
| Heattreat | | | | | |
| Plating/Finish | | | | | |
| Dr | BEER FU | 062509 | | size A4 | Scale |
| Eng | BEER FU | 062509 | Product family | | |
| Chr | GARY HSIEH | 062509 | Model Name | ECN | T10-0109 |
| Appr | JOSEPH HSIA | 062509 | Model Revision | REL Level | RELEASED |
| title | TERMINAL BLOCK<br>Pluggable socket, right angle | | | dwg no 20020110 | Rev. E |
| Pro/E file | catalog no | | | CUSTOMER | sheet 2 of 5 |



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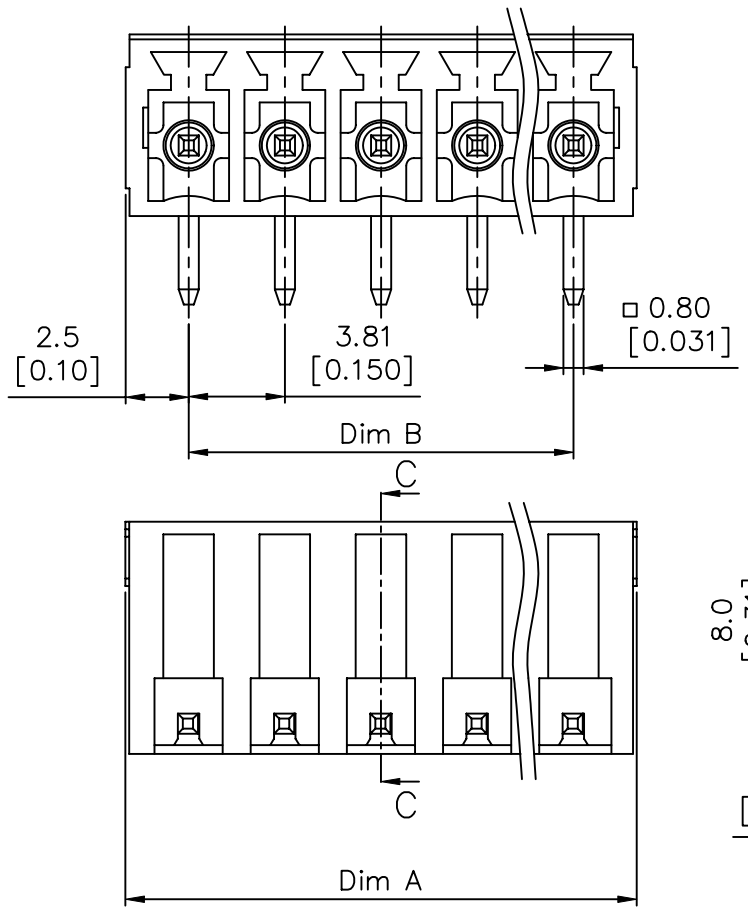
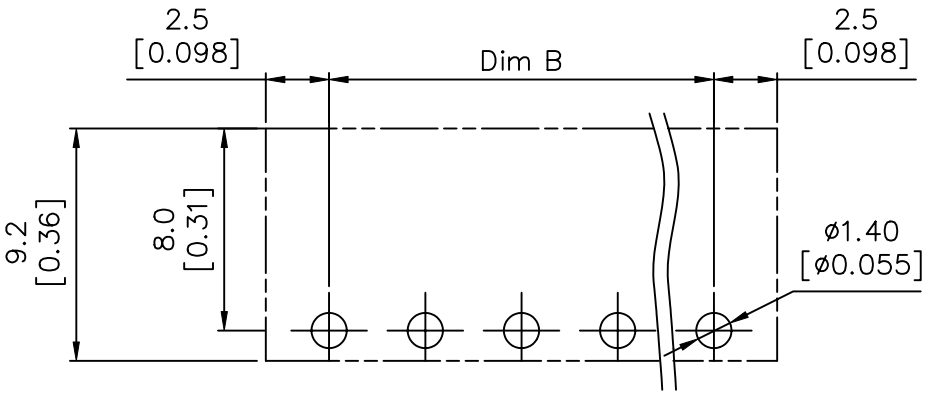
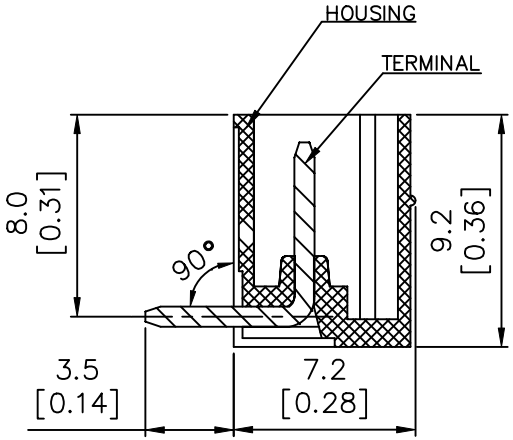
PDM: Rev:E STATUS: Released Printed: Jul 21, 2010

| PRODUCT NUMBER | SERIES NAME | PITCH |
|---|---|---|
| 20020110-DXXXA01LF | 06-381 | 3.81 mm |




RECOMMENDED PCB LAYOUT




SECTION C-C

N = Number of poles
Dim A=Dim B+5.0[0.197]
Dim B=(N-1)x3.81[0.150]

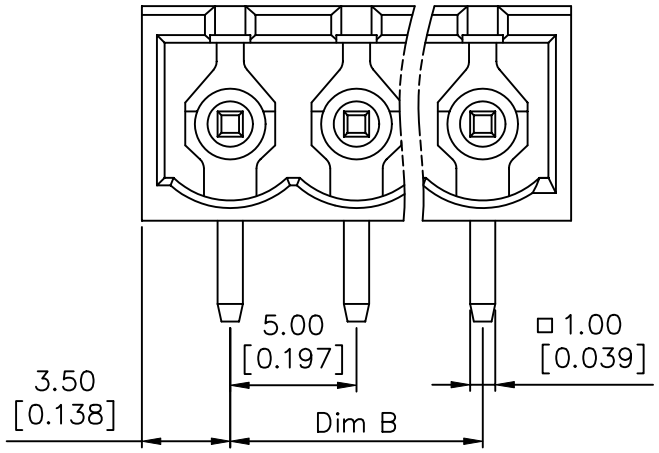
| TOL. | Dim A | Dim B |
|---|---|---|
| 2-6p | ±0.15[0.006] | |
| 7-12p | ±0.20[0.008] | |
| 13-16p | ±0.25[0.010] | |
| 17-24p | ±0.30[0.012] | |

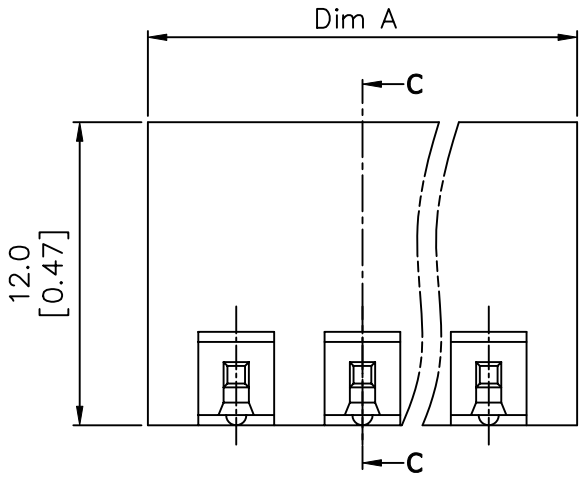
| | | | | | |
|---|---|---|---|---|---|
| Material | | | Spec ref | | |
| Mat code | | | tolerance | projection | MM |
| Heattreat | | | | | |
| Plating/Finish | | | | | |
| Dr | BEER FU | 062509 | | size A4 | Scale |
| Eng | BEER FU | 062509 | Product family | | |
| Chr | GARY HSIEH | 062509 | Model Name | ECN | T10-0109 |
| Appr | JOSEPH HSIA | 062509 | Model Revision | REL Level | RELEASED |
| FCI | title: TERMINAL BLOCK<br>Pluggable socket, right angle | | dwg no 20020110 | | Rev. E |
| Pro/E file | catalog no | | | CUSTOMER | sheet 3 of 5 |

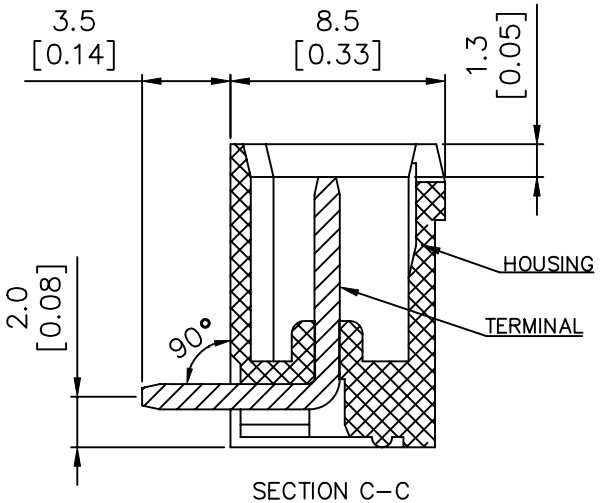


REV:R 2008-04-17

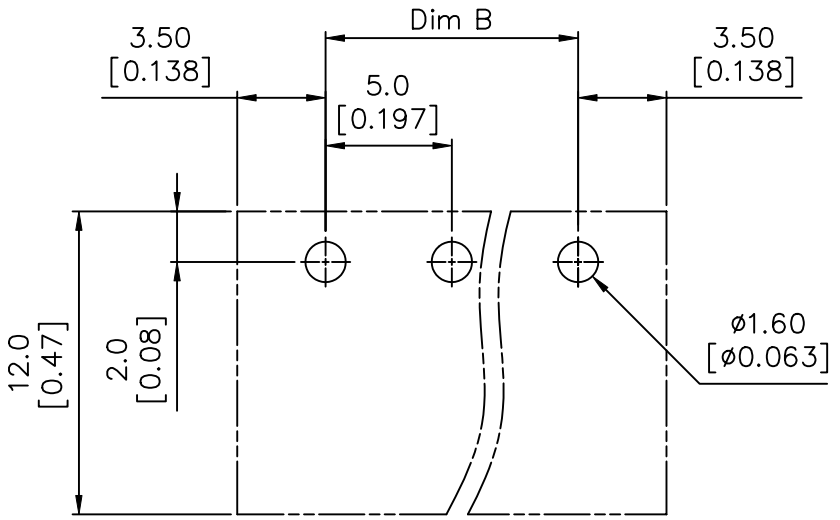
| PRODUCT NUMBER | SERIES NAME | PITCH |
|---|---|---|
| 20020110-GXXXA01LF | 06-500 | 5.00 mm |




SECTION C-C




RECOMMENDED PCB LAYOUT

N = Number of poles
Dim A=N*5.0[0.197]+2.0[0.193]
Dim B=(N-1)x5.0[0.197]

| TOL. | Dim A | Dim B |
|---|---|---|
| 2-6p | ±0.15[0.006] | |
| 7-12p | ±0.25[0.010] | |
| 13-16p | ±0.35[0.014] | |
| 17-24p | ±0.40[0.016] | |

| | | | | | |
|---|---|---|---|---|---|
| Material | | | Spec ref | | |
| Mat code | | | tolerance | projection | MM |
| Heattreat | | | | | |
| Plating/Finish | | | | | |
| Dr | BEER FU | 062509 | | size A4 | Scale |
| Eng | BEER FU | 062509 | Product family | | |
| Chr | GARY HSIEH | 062509 | Model Name | ECN | T10-0109 |
| Appr | JOSEPH HSIA | 062509 | Model Revision | REL Level | RELEASED |
| FCI | title: TERMINAL BLOCK<br>Pluggable socket, right angle | | dwg no 20020110 | | Rev. E |
| Pro/E file | catalog no | | | CUSTOMER | sheet 4 of 5 |



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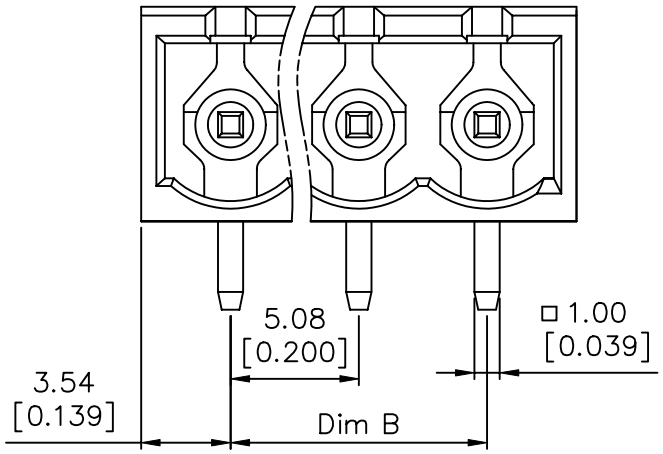
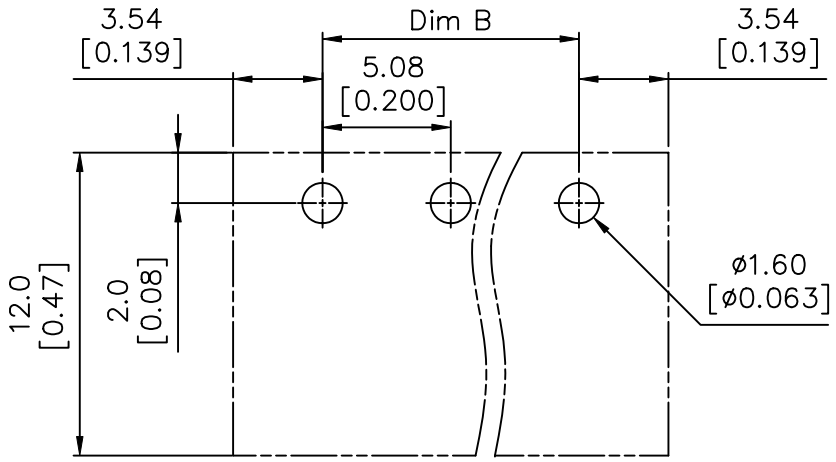
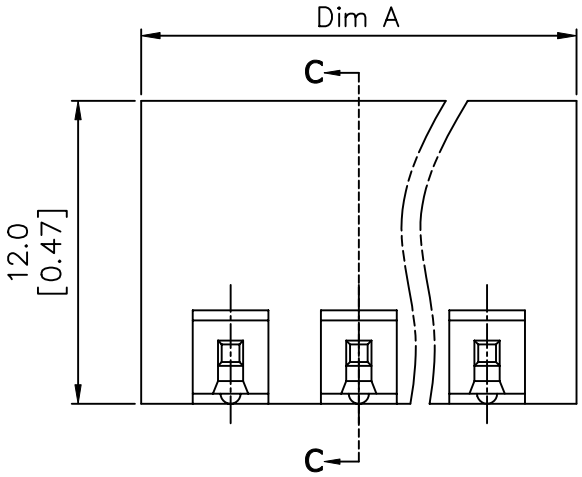
PDM: Rev:E STATUS: Released Printed: Jul 21, 2010

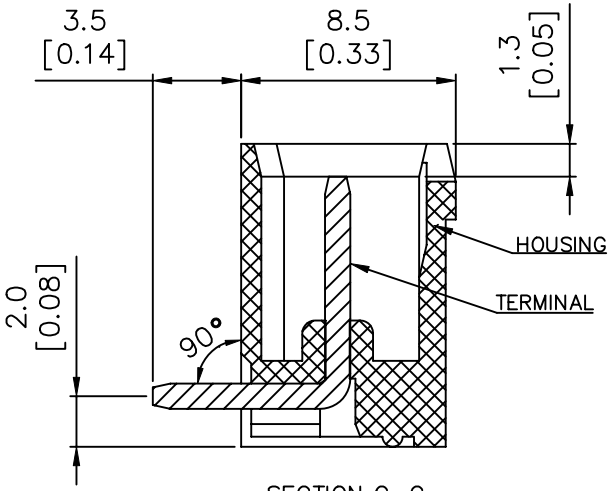
| PRODUCT NUMBER | SERIES NAME | PITCH |
|---|---|---|
| 20020110-HXXXA01LF | 06-508 | 5.08 mm |




RECOMMENDED PCB LAYOUT




SECTION C-C

N = Number of poles
Dim A=N*5.08[0.200]+2.0[0.193]
Dim B=(N-1)x5.08[0.200]

| TOL. | Dim A | Dim B |
|---|---|---|
| 2-6p | ±0.15[0.006] | |
| 7-12p | ±0.25[0.010] | |
| 13-18p | ±0.35[0.014] | |
| 19-24p | ±0.40[0.016] | |

| | | | | | |
|---|---|---|---|---|---|
| Material | | | Spec ref | | |
| Mat code | | | tolerance | projection | MM |
| Heattreat | | | | | |
| Plating/Finish | | | | | |
| Dr | BEER FU | 062509 | | size A4 | Scale |
| Eng | BEER FU | 062509 | Product family | | |
| Chr | GARY HSIEH | 062509 | Model Name | ECN | T10-0109 |
| Appr | JOSEPH HSIA | 062509 | Model Revision | REL Level | RELEASED |
| FCI | title: TERMINAL BLOCK<br>Pluggable socket, right angle | | dwg no 20020110 | | Rev. E |
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