

| LOC | DIST | REVISIONS |     |                          |           |     |      |
|-----|------|-----------|-----|--------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION              | DATE      | DWN | APVD |
| FT  | 0    |           | A2  | HIGH TEMP PHRASE REMOVED | 05MAY2016 | FP  | NG   |

- 1 ALL DIMENSIONS ARE IN MM.
- 2 BUCHANAN LOGO TO APPEAR ON HOUSING LOCATION  
OPTIONAL WHERE SPACE PERMITS.
- 3

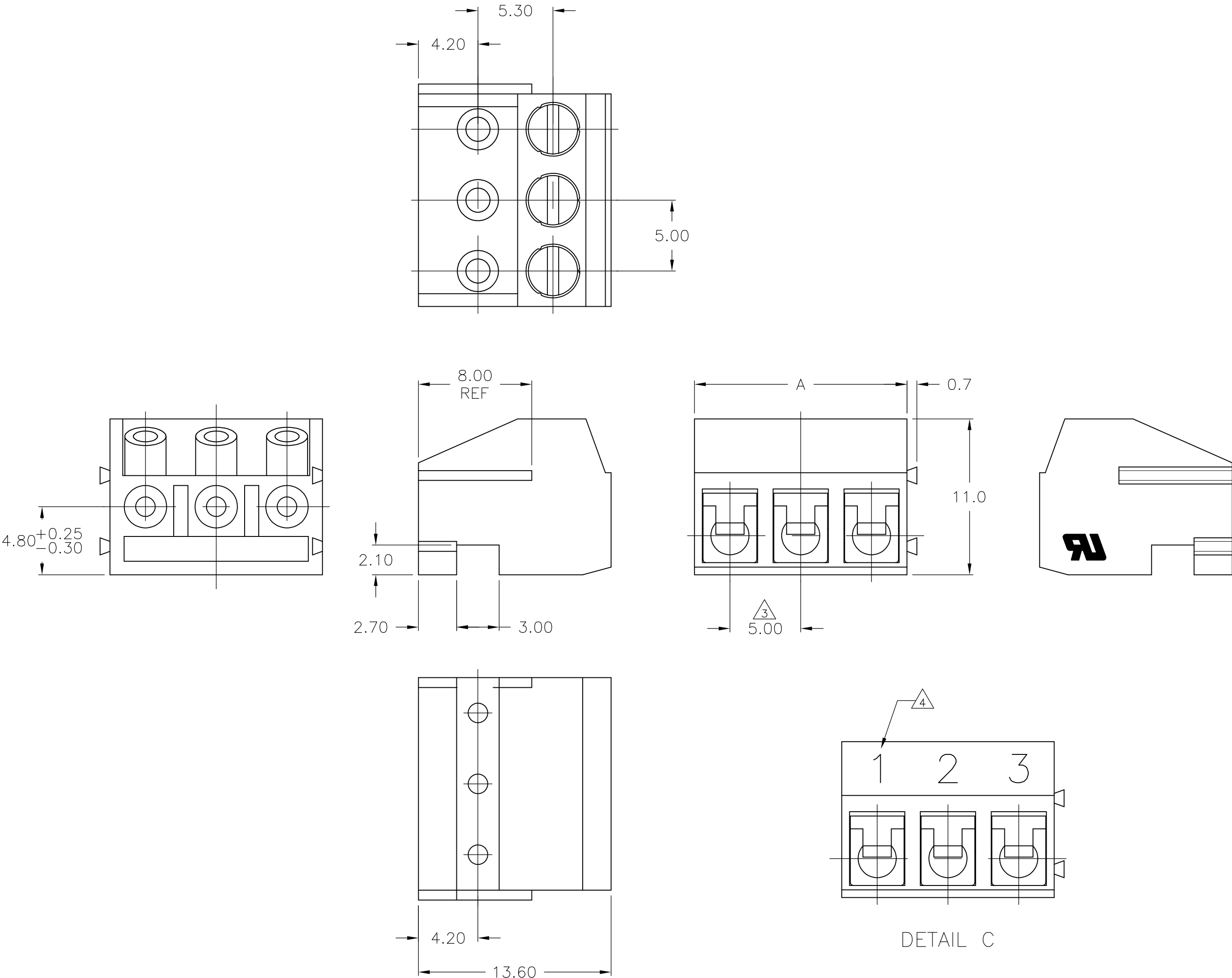
NON CUMULATIVE
- 4

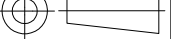
PARTS TO BE MARKED WITH PERMANENT BLACK MARKING.
- 5

POSITIONS 1–2, 3–4, AND 7–8 COMMONED. POSITIONS 9–10 NOT LOADED.
- 6

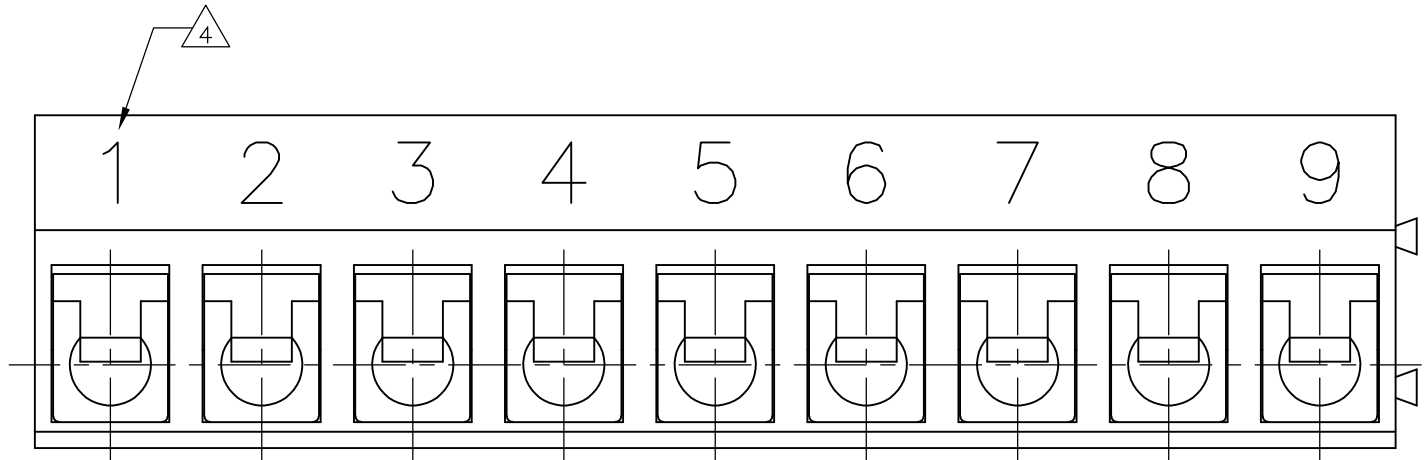
POSITIONS 1–2, 7–8, AND 9–10 COMMONED.

|              |          |          |              |            |           |   |             |   |
|--------------|----------|----------|--------------|------------|-----------|---|-------------|---|
| <div>6</div> | OBSOLETE | DETAIL F | TIN          | 50.00      | 10        | 5 | 1776263     | 2 |
| <div>6</div> | OBSOLETE | DETAIL E | TIN          | 50.00      | 10        | 5 | 1776263     | 1 |
|              | OBSOLETE | DETAIL D | TIN          | 45.00      | 9         | 5 | 1776263     | 0 |
|              | OBSOLETE |          | 0.254um GOLD | 10.00      | 2         | 4 | 1776263     | 9 |
|              | OBSOLETE | DETAIL C | TIN          | 15.00      | 3         | 4 | 1776263     | 8 |
|              | OBSOLETE |          | GOLD FLASH   | 35.00      | 7         | 4 | 1776263     | 7 |
|              | OBSOLETE |          | GOLD FLASH   | 30.00      | 6         | 4 | 1776263     | 6 |
|              | OBSOLETE |          | GOLD FLASH   | 15.00      | 3         | 4 | 1776263     | 3 |
|              | OBSOLETE |          | 0.381um GOLD | 35.00      | 7         | 3 | 1776263     | 7 |
|              | OBSOLETE |          | 0.381um GOLD | 30.00      | 6         | 3 | 1776263     | 6 |
|              | OBSOLETE |          | 0.381um GOLD | 15.00      | 3         | 3 | 1776263     | 3 |
|              | OBSOLETE |          | TIN          | 120.00     | 24        | 2 | 1776263     | 4 |
|              | OBSOLETE |          | TIN          | 115.00     | 23        | 2 | 1776263     | 3 |
|              | OBSOLETE |          | TIN          | 110.00     | 22        | 2 | 1776263     | 2 |
|              | OBSOLETE |          | TIN          | 105.00     | 21        | 2 | 1776263     | 1 |
|              | OBSOLETE |          | TIN          | 100.00     | 20        | 2 | 1776263     | 0 |
|              | OBSOLETE |          | TIN          | 95.00      | 19        | 1 | 1776263     | 9 |
|              | OBSOLETE |          | TIN          | 90.00      | 18        | 1 | 1776263     | 8 |
|              | OBSOLETE |          | TIN          | 85.00      | 17        | 1 | 1776263     | 7 |
|              | OBSOLETE |          | TIN          | 80.00      | 16        | 1 | 1776263     | 6 |
|              | OBSOLETE |          | TIN          | 75.00      | 15        | 1 | 1776263     | 5 |
|              | OBSOLETE |          | TIN          | 70.00      | 14        | 1 | 1776263     | 4 |
|              | OBSOLETE |          | TIN          | 65.00      | 13        | 1 | 1776263     | 3 |
|              |          |          | TIN          | 60.00±0.40 | 12        | 1 | 1776263     | 2 |
|              |          |          | TIN          | 55.00±0.40 | 11        | 1 | 1776263     | 1 |
|              |          |          | TIN          | 50.00±0.35 | 10        | 1 | 1776263     | 0 |
|              |          |          | TIN          | 45.00±0.30 | 9         |   | 1776263     | 9 |
|              |          |          | TIN          | 40.00±0.30 | 8         |   | 1776263     | 8 |
|              |          |          | TIN          | 35.00±0.25 | 7         |   | 1776263     | 7 |
|              |          |          | TIN          | 30.00±0.25 | 6         |   | 1776263     | 6 |
|              |          |          | TIN          | 25.00±0.25 | 5         |   | 1776263     | 5 |
|              |          |          | TIN          | 20.00±0.25 | 4         |   | 1776263     | 4 |
|              |          |          | TIN          | 15.00±0.25 | 3         |   | 1776263     | 3 |
|              |          |          | TIN          | 10.00±0.25 | 2         |   | 1776263     | 2 |
|              |          | DETAIL   | FINISH       | DIM A      | NO OF POS |   | PART NUMBER |   |

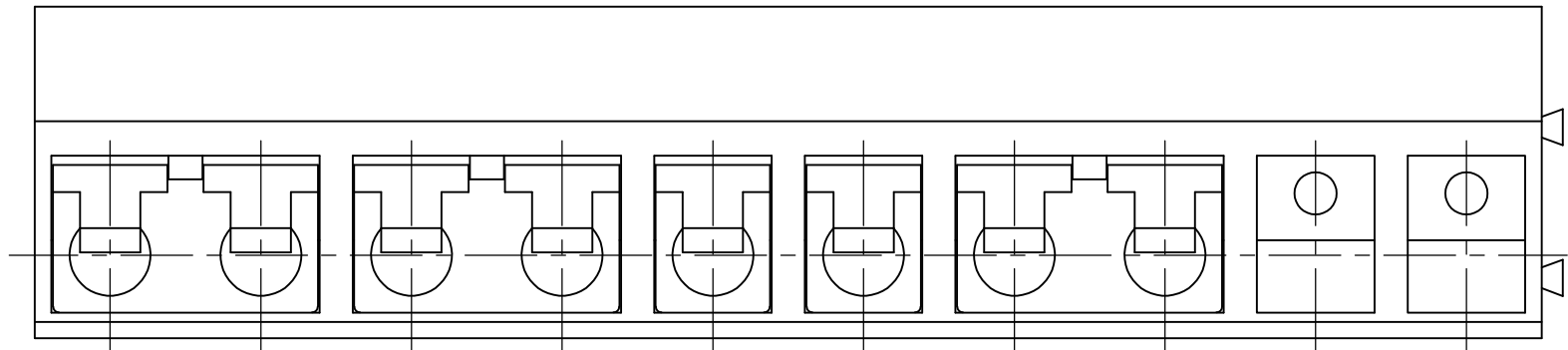


|                                                                                       |  |  |                                                                                  |   |          |                  |                                                                                                                                       |                                                                        |        |           |            |               |     |    |
|---------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------|---|----------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------|-----------|------------|---------------|-----|----|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |  | DWN                                                                              | S | SCHLEGEL | 5/6/05           | <div><div></div><div>TE Connectivity</div></div> |                                                                        |        |           |            |               |     |    |
|                                                                                       |  |  | CHK                                                                              | C | RICHARD  | 5/6/05           |                                                                                                                                       |                                                                        |        |           |            |               |     |    |
| DIMENSIONS:                                                                           |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                           |   |          | APVD             | C                                                                                                                                     | RICHARD                                                                | 5/6/05 | NAME      |            |               |     |    |
| mm                                                                                    |  |  |                                                                                  |   |          | PRODUCT SPEC     |                                                                                                                                       | TERMINAL BLOCK, 90 DEGREE, STACKING W/<br>WIRE PROTECTION, 5.0mm PITCH |        |           |            |               |     |    |
|  |  |  | 0 PLC ± -<br>1 PLC ± 0.3<br>2 PLC ± 0.25<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |   |          | —                |                                                                                                                                       |                                                                        |        |           |            |               |     |    |
| MATERIAL                                                                              |  |  | FINISH                                                                           |   |          | APPLICATION SPEC |                                                                                                                                       | SIZE                                                                   |        | CAGE CODE | DRAWING NO | RESTRICTED TO |     |    |
| —                                                                                     |  |  | —                                                                                |   |          | —                |                                                                                                                                       | A2                                                                     |        | 00779     | C=1776263  | —             |     |    |
| CUSTOMER DRAWING                                                                      |  |  |                                                                                  |   |          | SCALE            |                                                                                                                                       | 6:1                                                                    |        | SHEET     |            | 1 of 2        | REV | A2 |

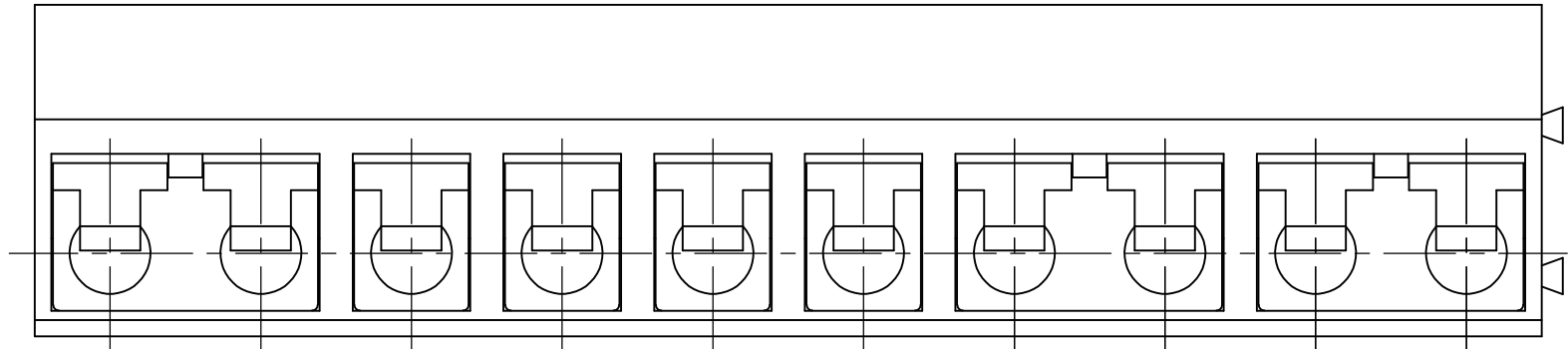
| LOC | DIST | REVISIONS |     |             |      |     |
|-----|------|-----------|-----|-------------|------|-----|
| FT  | 0    | P         | LTR | DESCRIPTION | DATE | DWN |
|     |      |           |     | SEE SHEET 1 | —    | —   |



DETAIL D



DETAIL E



DETAIL F

1. Application and Features:

- 1–1. This terminal block is designed to plug onto loose pins or pin header strips.  
1–2. With wire guard for wire protection so that the screw doesn't press directly on the wire.  
1–3. Easy handling due to the pluggable system horizontally or vertically.

2. Technical Data:

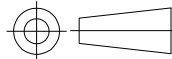
- 2–1. Material(blue)  
2–1–1. Housing: PA 66  
2–1–2. Metal Housing: Brass  
Finish: see table.  
2–1–3. Wire Guard: Phoshor Bronze  
2–1–4. Screw: Steel galvanized and chromitized, M2.6.

2–3. Electrical:

- 2–3–1. Current rating: 10 amps/way max.  
2–3–2. Contact resistance: 20mohm (MAX).  
2–3–3. Insulation resistance: 2000Mohm /500V.  
2–3–4. Withstanding voltage: 1500 VAC/min, test time= 60sec/1pc.  
2–3–5. Operation voltage: 300 VAC.  
2–3–6. Wire Range: 16–24 AWG.

2.4 Mechanical:

- 2–4–1. Torque: 3 in–lb.  
2–4–2. Contact retention Force: 0.2Kg/cm (min).  
2–4–3. Operating temperature: –40°C to +105°C.  
2–4–4. Solderability: 95% coverage (min).  
test temperature=230°C±10°C  
test time= 3sec±0.5sec.

|                                                                                       |  |                                           |                             |                  |                                                                                                                  |                                                                        |  |                 |  |           |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|-----------------------------|------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--|-----------------|--|-----------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                           | DWN<br>S SCHLEGEL<br>5/6/05 |                  | <div></div> TE Connectivity |                                                                        |  |                 |  |           |  |
|                                                                                       |  |                                           | CHK<br>C RICHARD<br>5/6/05  |                  |                                                                                                                  |                                                                        |  |                 |  |           |  |
|                                                                                       |  |                                           | APVD<br>C RICHARD<br>5/6/05 |                  |                                                                                                                  |                                                                        |  |                 |  |           |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |                             | NAME             |                                                                                                                  | TERMINAL BLOCK, 90 DEGREE, STACKING W/<br>WIRE PROTECTION, 5.0mm PITCH |  |                 |  |           |  |
|  |  | 0 PLC ± -                                 |                             | PRODUCT SPEC     |                                                                                                                  | SIZE<br>CAGE CODE<br>DRAWING NO<br>RESTRICTED TO                       |  |                 |  |           |  |
|                                                                                       |  | 1 PLC ± 0.3                               |                             | —                |                                                                                                                  |                                                                        |  |                 |  |           |  |
|                                                                                       |  | 2 PLC ± 0.25                              |                             | —                |                                                                                                                  |                                                                        |  |                 |  |           |  |
|                                                                                       |  | 3 PLC ± -                                 |                             | APPLICATION SPEC |                                                                                                                  |                                                                        |  |                 |  |           |  |
|                                                                                       |  | 4 PLC ± -                                 |                             | —                |                                                                                                                  |                                                                        |  |                 |  |           |  |
| ANGLES ± ±                                                                            |  |                                           |                             |                  |                                                                                                                  |                                                                        |  |                 |  |           |  |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                               |                             | WEIGHT<br>-      |                                                                                                                  | A200779C=1776263                                                       |  |                 |  |           |  |
| CUSTOMER DRAWING                                                                      |  |                                           |                             |                  |                                                                                                                  | SCALE<br>6:1                                                           |  | SHEET<br>2 of 2 |  | REV<br>A2 |  |

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