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LOC

DIST

REVISIONS

FT

0

P

LTR

DESCRIPTION

DATE

DWN

APVD

01

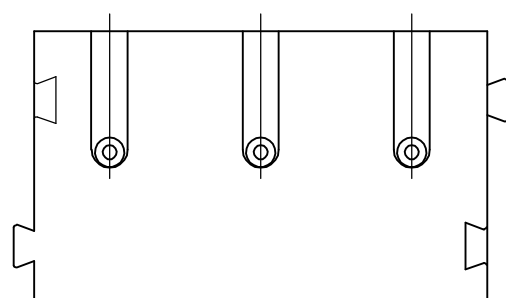
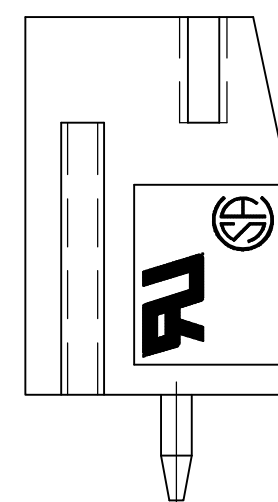
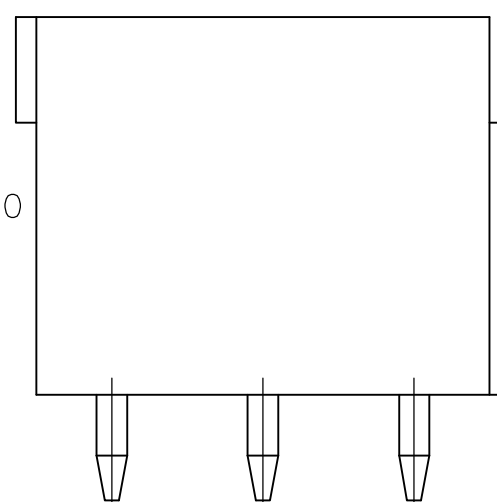
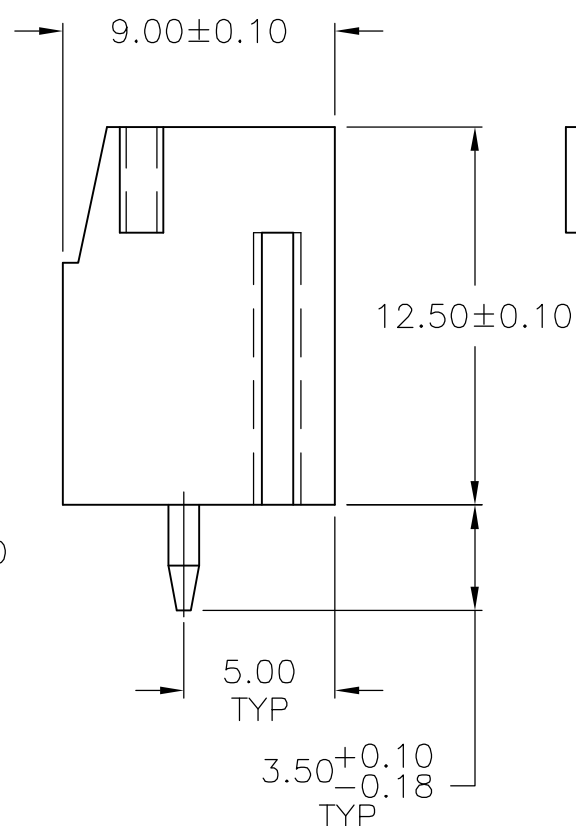
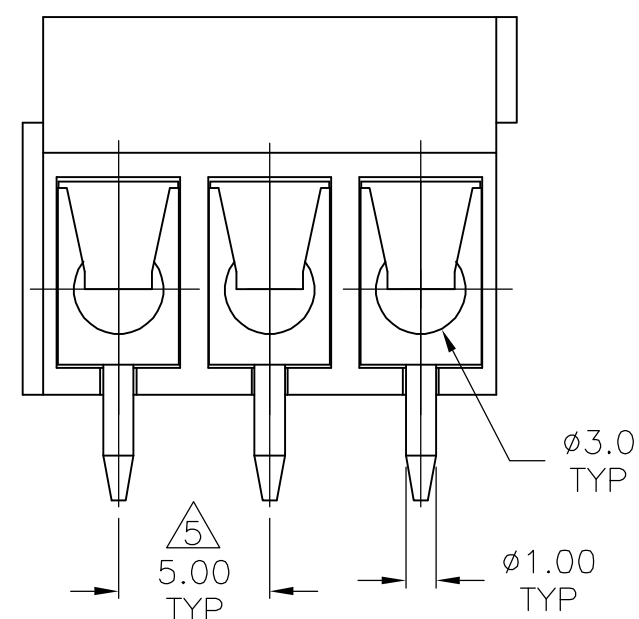
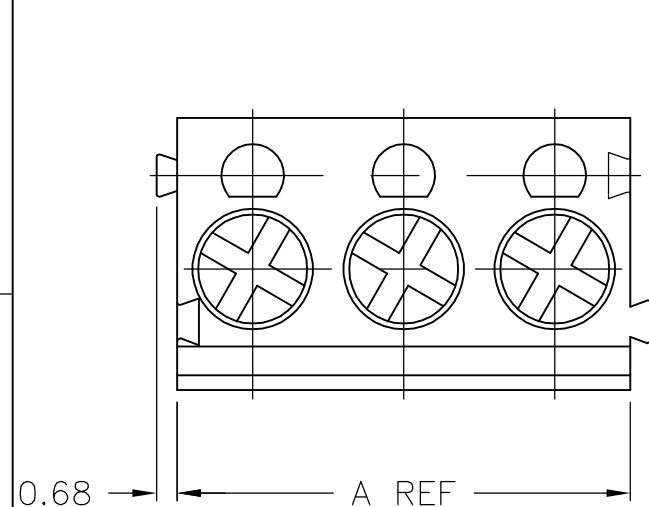
REVISED PER ECO-06-16668

7/13/06

SS

CR

1. ALL DIMENSIONS ARE IN mm'S.
2. RECOMMENDED PCB DIAMETER:  $\phi 1.20$  TO  $\phi 1.40$ .
3. BUCHANAN LOGO TO APPEAR ON HOUSING LOCATION OPTIONAL WHERE SPACE PERMITS.
4. PARTS TO BE WAVE SOLDER PROCESS CAPABLE UP TO  $265^{\circ}\text{C}$  FOR 10 SECONDS MAX.

 $\triangle 5$  NON CUMULATIVE

1776491-3 AS SHOWN

|        |             |             |
|--------|-------------|-------------|
| 120.00 | 24          | 2-1776491-4 |
| 115.00 | 23          | 2-1776491-3 |
| 110.00 | 22          | 2-1776491-2 |
| 105.00 | 21          | 2-1776491-1 |
| 100.00 | 20          | 2-1776491-0 |
| 95.00  | 19          | 1-1776491-9 |
| 90.00  | 18          | 1-1776491-8 |
| 85.00  | 17          | 1-1776491-7 |
| 80.00  | 16          | 1-1776491-6 |
| 75.00  | 15          | 1-1776491-5 |
| 70.00  | 14          | 1-1776491-4 |
| 65.00  | 13          | 1-1776491-3 |
| 60.00  | 12          | 1-1776491-2 |
| 55.00  | 11          | 1-1776491-1 |
| 50.00  | 10          | 1-1776491-0 |
| 45.00  | 9           | 1776491-9   |
| 40.00  | 8           | 1776491-8   |
| 35.00  | 7           | 1776491-7   |
| 30.00  | 6           | 1776491-6   |
| 25.00  | 5           | 1776491-5   |
| 20.00  | 4           | 1776491-4   |
| 15.00  | 3           | 1776491-3   |
| 10.00  | 2           | 1776491-2   |
| DIM. A | NO. OF POS. | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN S SCHLEGEL 5/2/05

CHK C RICHARD 5/2/05

APVD C RICHARD 5/2/05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

**tyco**  
**Electronics**Tyco Electronics Corporation  
Harrisburg, Pa 17105-3608

NAME

TERMINAL BLOCK PCB MOUNT, STRAIGHT  
SIDE WIRE ENTRY W/ INTERLOCK,  
5.00mm PITCH (LT), HIGH TEMP

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A300779

C-1776491

SCALE NTS

SHEET 1 OF 2

REV 01

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

1. Application and Features:

- 1-1. This is the most standard version which is an economic and reliable solution for Cable to PC-Board connection .
- 1-2. Standard sizes are 2 and 3 way-blocks, but every number of contact can be combined, by simply plugging them together and can be ordered as required\*\*
- 1-3. Holes for test-pins .
- 1-4. With wire guard for wire protection (for that the screw doesn't press directly on the wire)

- 2-2-2. Contact resistance: 20mΩ (Max).
- 2-2-3. Insulation resistance: 5000MΩ /1000V.
- 2-2-4. Withstanding Voltage: 1500VAC (1min).  
test time =60sec/1pcs
- 2-2-5. Operation Voltage: 300 VAC.
- 2-2-6. Wire Range: 14-22 AWG.

2-3. Mechanical:

- 2-3-1. Screw Torque: 4 Kg.cm (Max).
- 2-3-2. Operating temperature: -55°C to +105°C.
- 2-3-3. Solderability: 95% coverage (min).

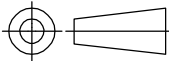
2. Technical Data:

2-1. Material:

- 2-1-1. HOUSING: NYLON 6.6  
UL 94 V-0 (Blue).
- 2-1-2. Metal Housing: Brass(Cu Zn)  
Cu,Tin plated.
- 2-1-3. Screw: Steel galvanized and chromatized.
- 2-1-4. Wire guard: Stainless steel Tin plated.

2-2. Electrical:

- 2-2-1. Current rating: 10 Amps/way max.

|                                                                                       |                                                                                  |                             |                                                                                                     |           |                              |               |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------|-----------|------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                  | DWN<br>S SCHLEGEL<br>5/2/05 | <b>tyco</b><br><b>Electronics</b>                                                                   |           | Tyco Electronics Corporation |               |
|                                                                                       |                                                                                  | CHK<br>C RICHARD<br>5/2/05  |                                                                                                     |           | Harrisburg, Pa 17105-3608    |               |
| DIMENSIONS:<br>mm                                                                     | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                        | APVD<br>C RICHARD<br>5/2/05 | NAME<br><br>TERMINAL BLOCK PCB MOUNT, STRAIGHT<br>SIDE WIRE ENTRY<br>W/INTERLOCK, 5.00mm PITCH (LT) |           |                              |               |
|  | 0 PLC ± -<br>1 PLC ± 0.3<br>2 PLC ± 0.25<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - | PRODUCT SPEC<br><br>-       |                                                                                                     |           |                              |               |
| MATERIAL<br><br>-                                                                     | FINISH<br><br>-                                                                  | APPLICATION SPEC<br><br>-   | SIZE                                                                                                | CAGE CODE | DRAWING NO                   | RESTRICTED TO |
|                                                                                       |                                                                                  | WEIGHT<br><br>-             | A3                                                                                                  | 00779     | C-1776491                    | -             |
| CUSTOMER DRAWING                                                                      |                                                                                  |                             | SCALE                                                                                               | NTS       | SHEET                        | 2 OF 2        |
|                                                                                       |                                                                                  |                             |                                                                                                     |           | REV                          | 01            |