

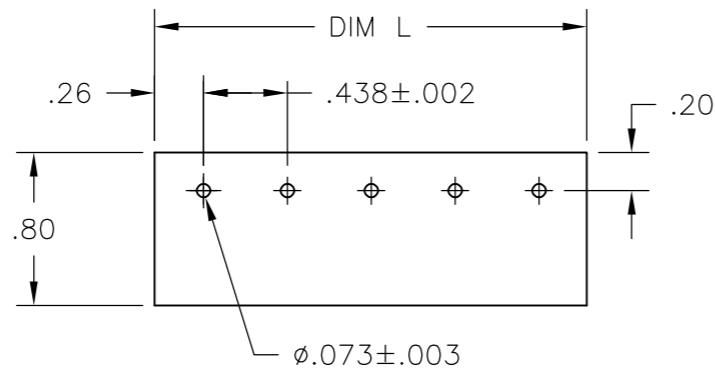
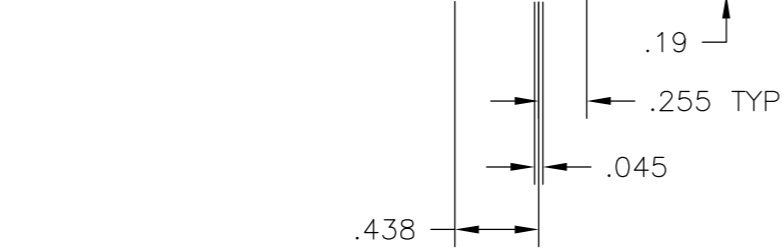
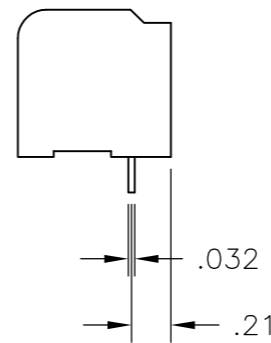
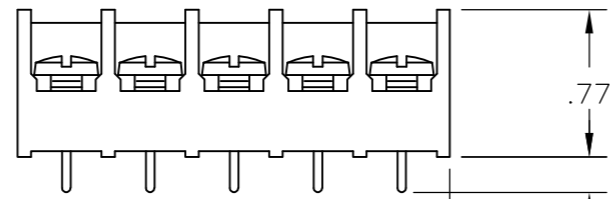
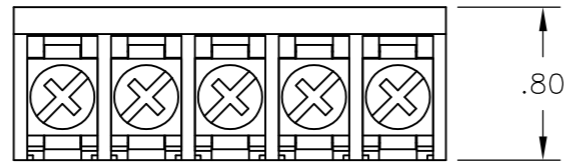
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| LOC | DIST | REVISIONS |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
| FT  | 0    | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
|     |      |           | E   | REVISED PER ECO-08-010814 | 15MAY08 | HMR | MZ   |

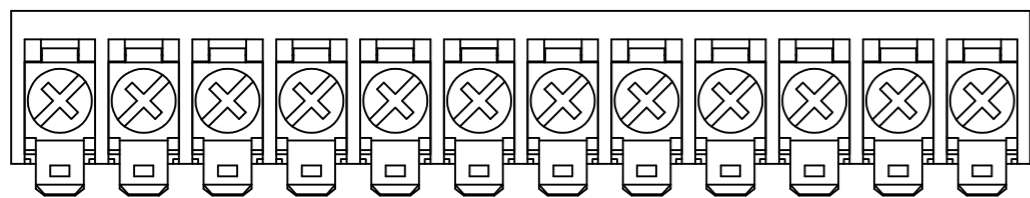
**MATERIALS:**  
 HOUSING: THERMOPLASTIC, UL94V-0, BLACK.  
 TERMINAL: BRIGHT TIN PLATED COPPER ALLOY.  
 SCREWS: 8-32, ZINC PLATED STEEL.

**ELECTRICAL:**  
 CURRENT RATING: 30A.  
 VOLTAGE RATING: 600V.  
 WIRE RANGE: 10-18 AWG (UL)  
 10-22 AWG (CSA)

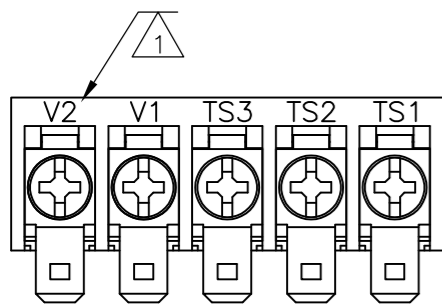
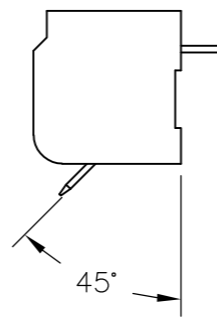
**MECHANICAL:**  
 RECOMMENDED TORQUE: 20 IN-LB.  
 OPERATING TEMP.: -40°C TO +120°C.



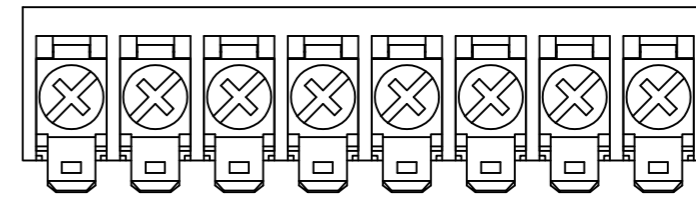
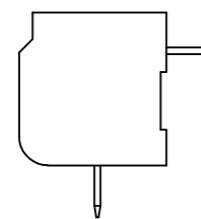
RECOMMENDED PCB LAYOUT



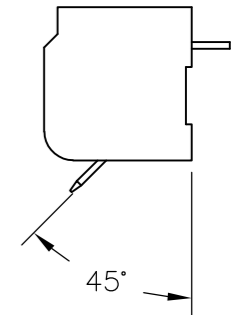
1-1437660-5



9-1437657-3



1-1437658-9



| 2          | COMMENTS   | DIM L REF | NO OF POS | CATALOG NUMBER  | TE PART NO  |
|------------|------------|-----------|-----------|-----------------|-------------|
| -          |            | 9.260     | 21        | 8PCV-21-007     | 8-1546159-4 |
| -          |            | 8.823     | 20        | 8PCV-20-007     | 7-1437658-7 |
| -          |            | 8.385     | 19        | 8PCV-19-007     | 1546565-8   |
| -          |            | 7.948     | 18        | 8PCV-18-007     | 1546565-7   |
| -          |            | 7.510     | 17        | 8PCV-17-007     | 1546565-6   |
| -          |            | 7.073     | 16        | 8PCV-16-007     | 1546565-5   |
| -          |            | 6.635     | 15        | 8PCV-15-007     | 1546565-4   |
| -          |            | 6.198     | 14        | 8PCV-14-007     | 7-1546159-9 |
| -          |            | 5.760     | 13        | 8PCV-13-007     | 5-1437658-6 |
| SEE FIGURE |            | 5.323     | 12        | 8PCV-12-001-010 | 1-1546098-2 |
| -          |            | 5.323     | 12        | 8PCV-12-007     | 4-1437658-7 |
| -          |            | 4.885     | 11        | 8PCV-11-007     | 4-1437658-1 |
| -          |            | 4.448     | 10        | 8PCV-10-007     | 7-1546159-2 |
| -          |            | 4.010     | 9         | 8PCV-09-007     | 1546565-3   |
| 2          | SEE FIGURE | 3.573     | 8         | 8PCV-08-001-010 | 1-1437658-9 |
| -          |            | 3.573     | 8         | 8PCV-08-007     | 2-1437658-3 |
| -          |            | 3.135     | 7         | 8PCV-07-007     | 1546565-2   |
| -          |            | 2.698     | 6         | 8PCV-06-007     | 1437658-1   |
| SEE FIGURE |            | 2.260     | 5         | 8PCV-05-501     | 9-1437657-3 |
| -          |            | 2.260     | 5         | 8PCV-05-007     | 9-1437657-0 |
| -          |            | 1.823     | 4         | 8PCV-04-007     | 1546565-1   |
| -          |            | 1.385     | 4         | 8PCV-04-003     | 1546119-3   |
| -          |            | 1.385     | 3         | 8PCV-03-007     | 7-1437657-0 |
| -          |            | .948      | 2         | 8PCV-02-007     | 5-1546159-6 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                  |            |         |   |
|------------------|------------|---------|---|
| DWN              | S SCHLEGEL | 2/25/03 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |
| CHK              | S YODER    | 10/8/04 |   |
| APVD             | S YODER    | 10/8/04 |   |
| PRODUCT SPEC     |            |         |   |
| APPLICATION SPEC |            |         | NAME  |
| WEIGHT           | -          |         | 8PCV-XX-007 ASSEMBLY                                      |
|                  |            |         | SIZE  |
|                  |            |         | CAGE CODE   |
|                  |            |         | DRAWING NO  |
|                  |            |         | RESTRICTED TO   |
|                  |            |         | A3 00779  |
|                  |            |         | G-7-1437657-0   |
|                  |            |         | SCALE   |
|                  |            |         | 1:1   |
|                  |            |         | SHEET   |
|                  |            |         | 1 OF 1  |
|                  |            |         | REV   |
|                  |            |         | E   |

CUSTOMER DRAWING