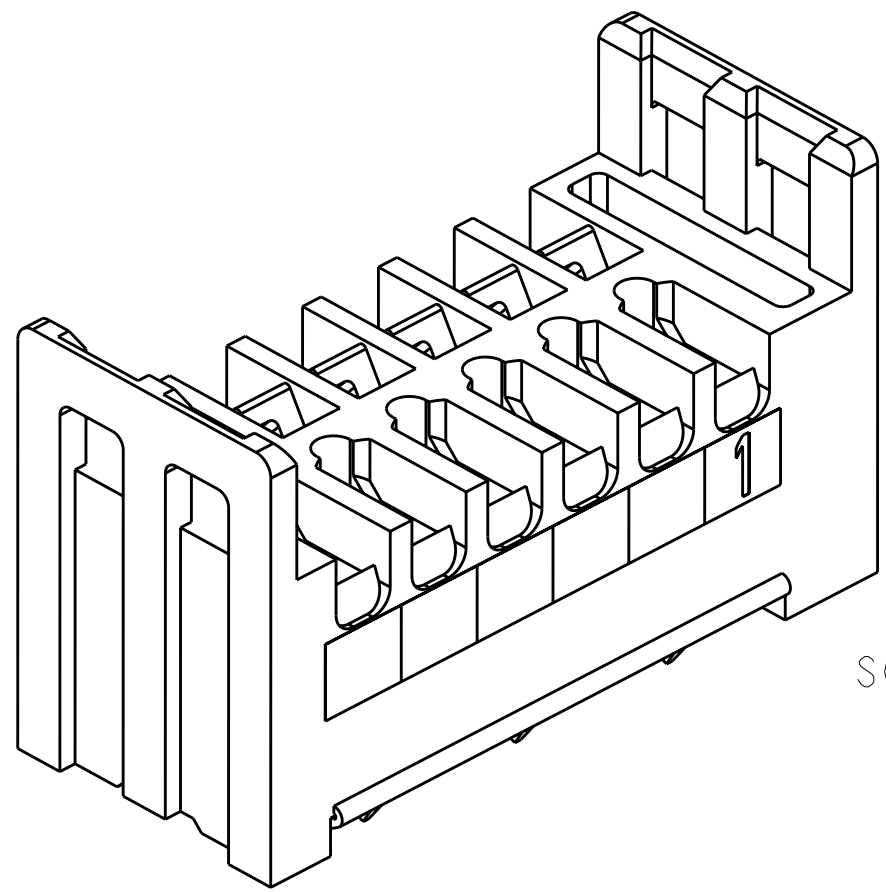
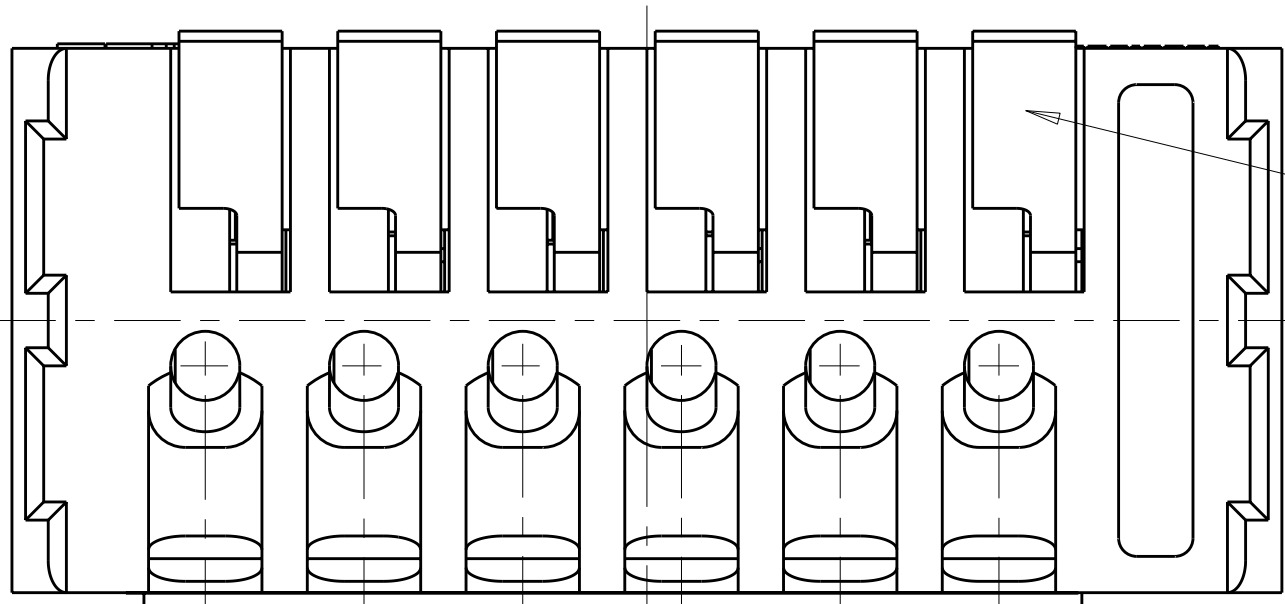




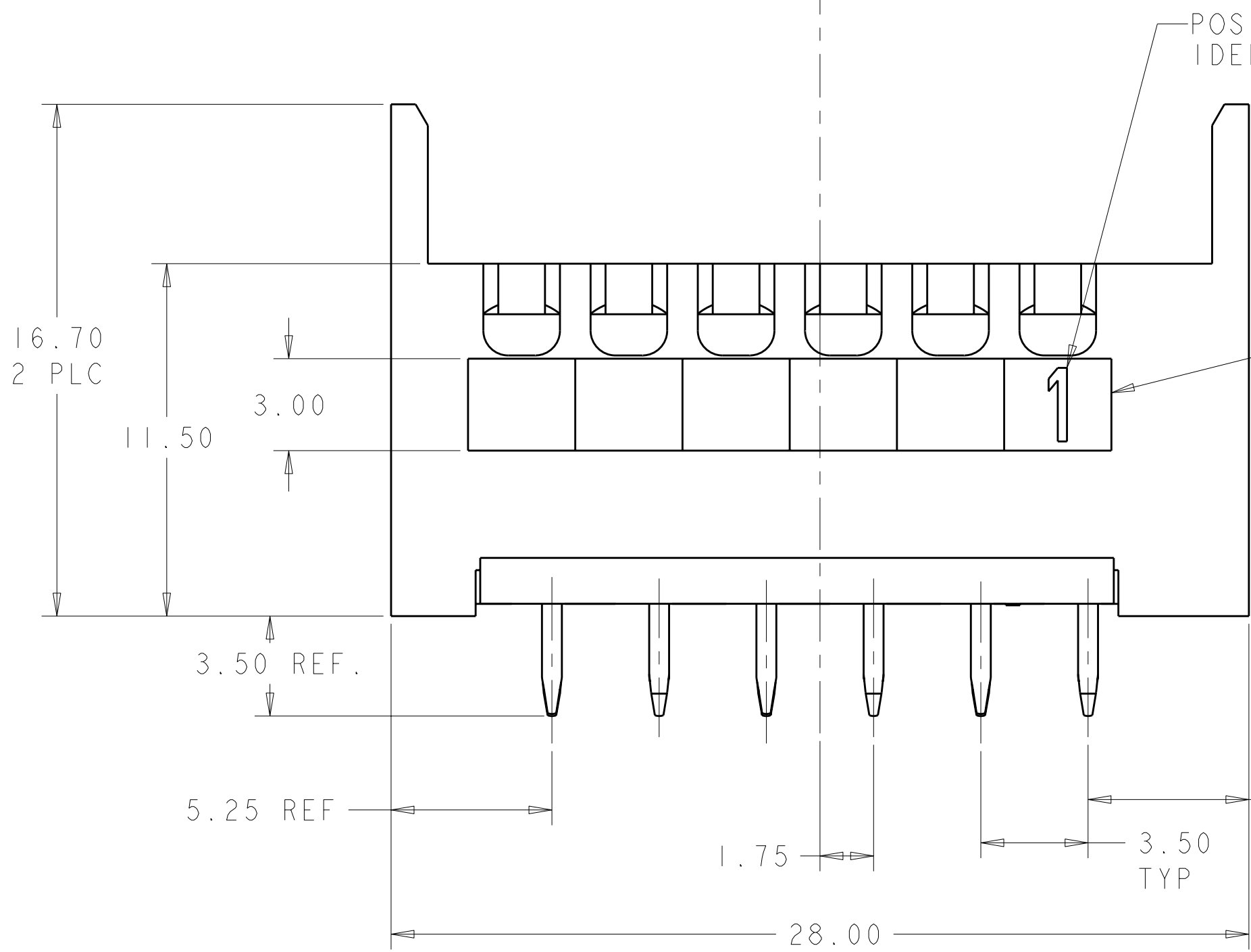
SCALE 4:1

1. TYPICAL CONNECTOR AS SHOWN ON THIS SHEET. SEE SHEET 2 FOR CONNECTOR PART NO WITH SELECT CONTACT LOADING, AND COLOR CODED LABELING.
- 2 MATERIAL; HOUSING: NYLON, ULV0 RATED; COLOR, NATURAL  
CONTACTS: PHOSPHOR BRONZE.
- 3 FINISH: CONTACTS: PREPLATED TIN, 2.5um MIN  
OVER 0.76um MIN NICKEL. CONTACT EDGES WILL BE UNPLATED.
4. ACCEPTABLE WIRE SIZE: 18AWG SOLID, 2.35 MAX INSULATION  
DIAMETER, 9.50±1.00 STRIP LENGTH
- 5 THE PCBs ARE VIEWED FROM THE CONNECTOR  
MOUNTING SIDE. CONNECTOR IS DESIGNED FOR USE IN A  
1.575±0.178 THICK PCB.
6. CONNECTOR CAN BE USED IN COMBINATION WITH WIRE STRAIN  
RELIEF COVER, PART NOS 1604957-1 AND 1604957-2.



WIRE RELEASE BUTTON  
6 PLC

0.76  
3.50  
TYP

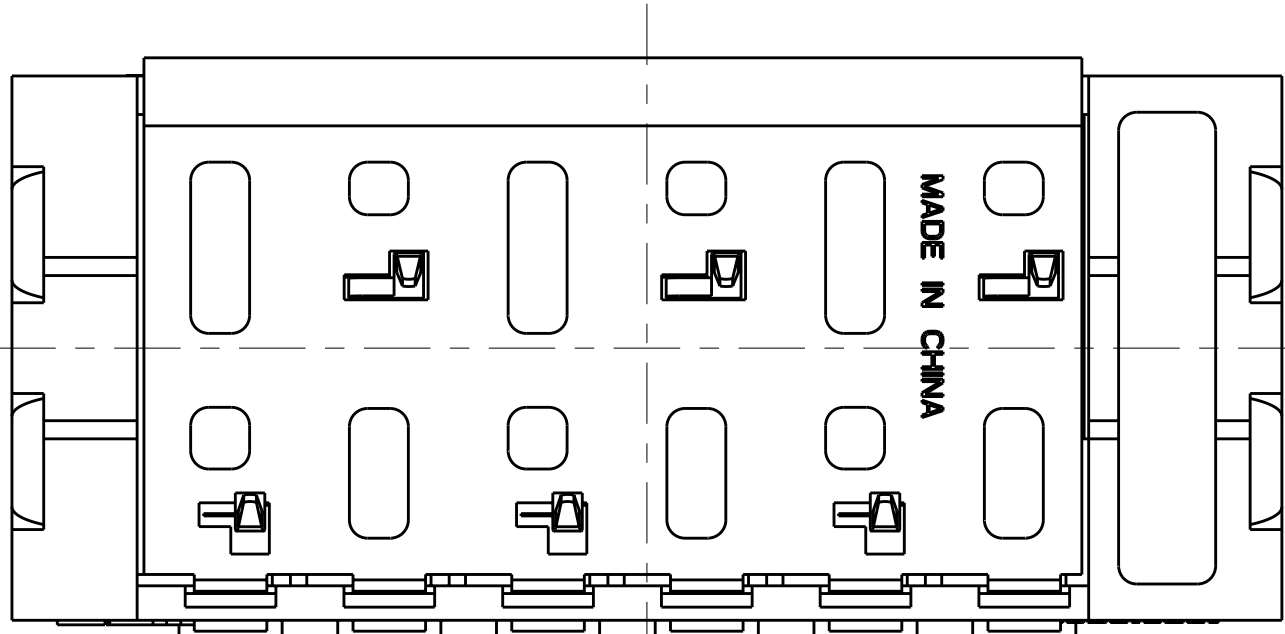


POSITION NO. 1  
IDENTIFICATION

COLOR CODED  
LABEL

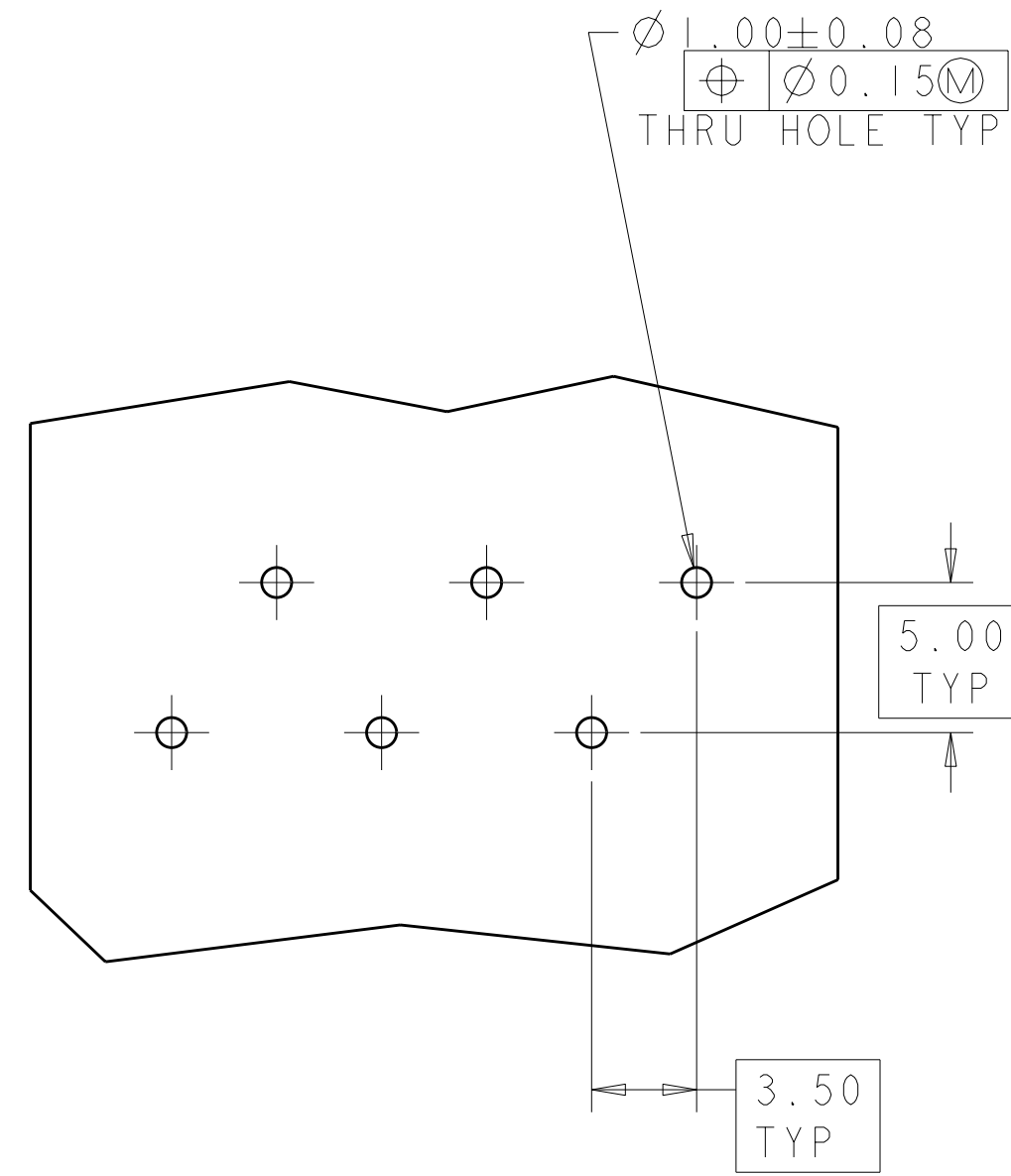
16.70  
2 PLC  
11.50  
3.00  
3.50 REF.  
5.25 REF  
1.75  
3.50  
TYP  
28.00

5.25 REF  
1.30 TYP  
12.00  
3.70 TYP

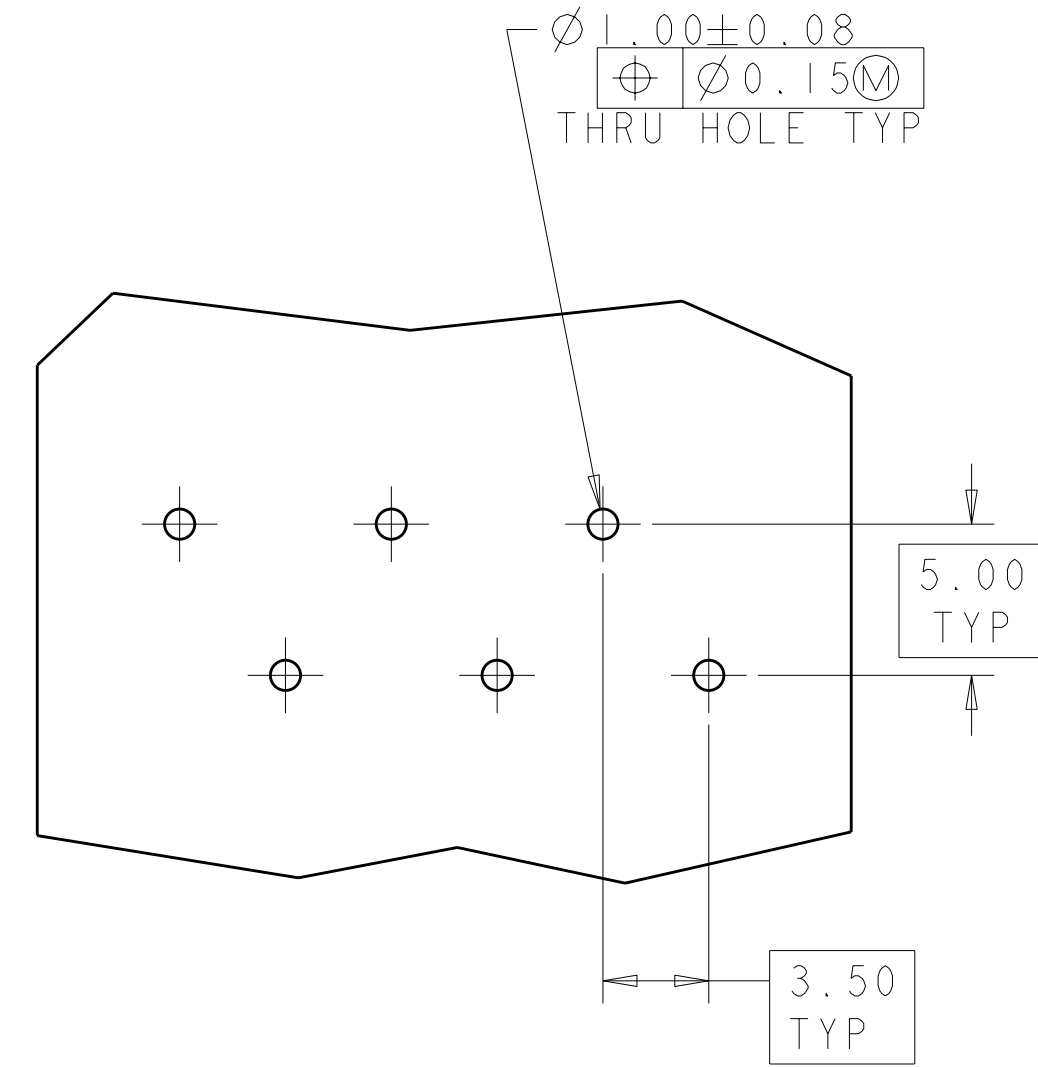


△ COLOR TEXT SHOWN FOR REFERENCE ONLY.  
POSITION 1 WILL HAVE NUMERAL 1  
SEE TABLE ON SHEET 2 FOR COLOR CODE.

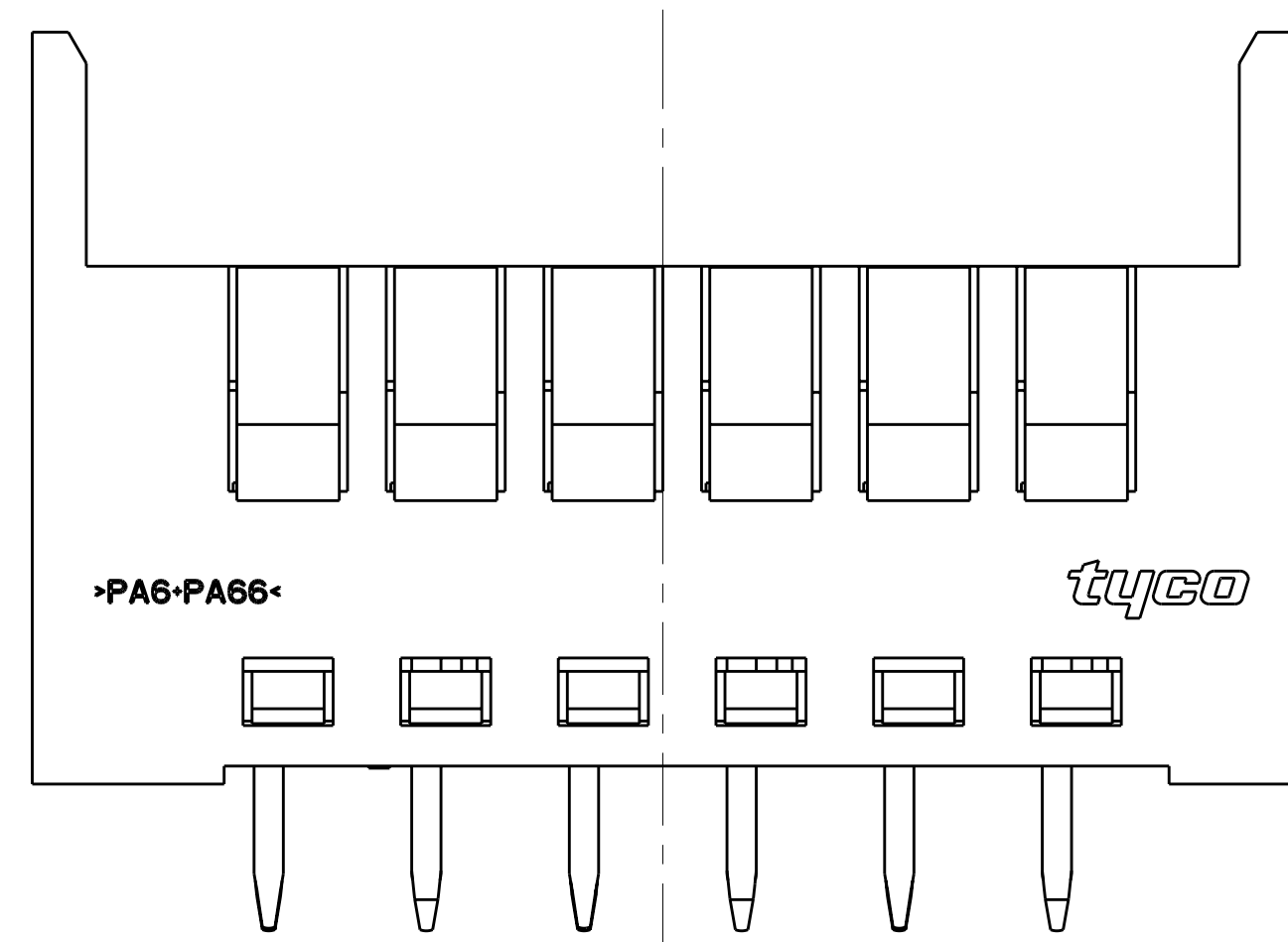
8. RoHS COMPLIANT.



△ PCB FOOTPRINT SCHEME A  
SCALE 4:1



△ PCB FOOTPRINT SCHEME B  
SCALE 4:1



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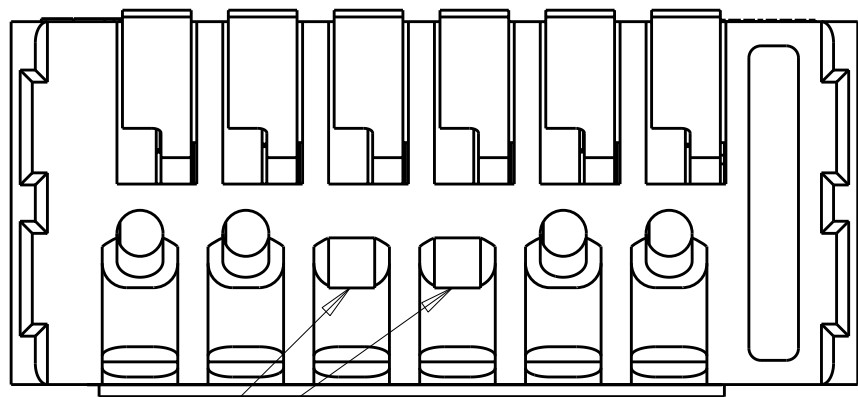
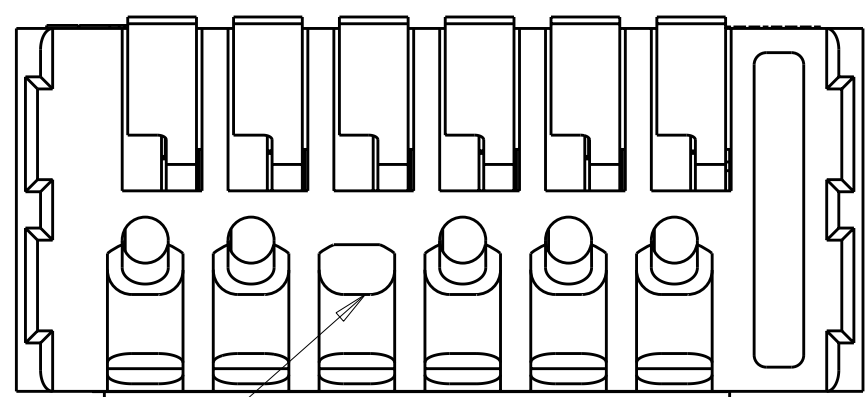
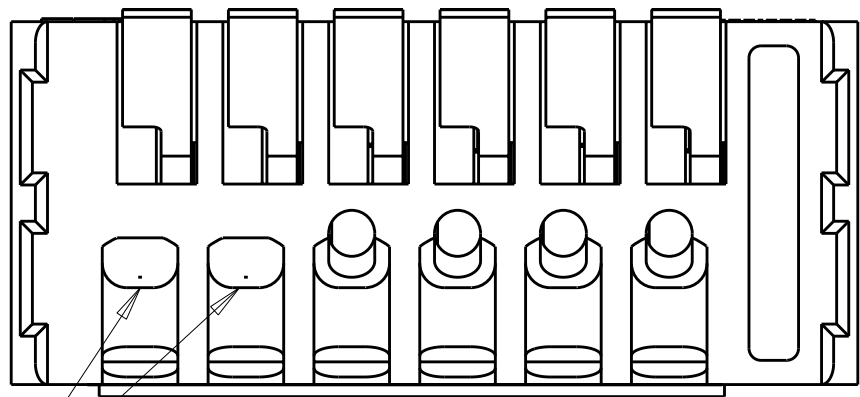
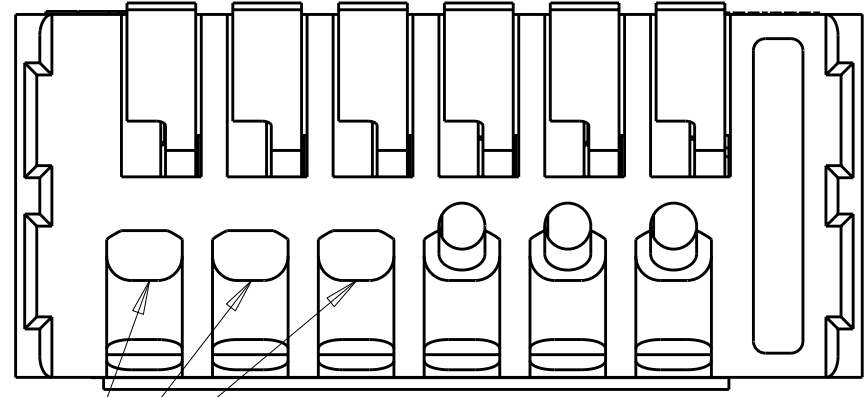
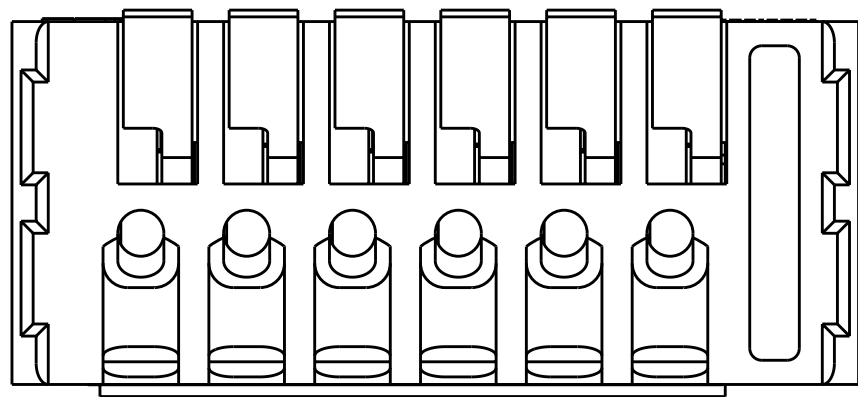
DESIGN IS SUBJECT TO  
CHANGE WITHOUT NOTICE

|             |  |                                                         |  |                            |  |                                                    |  |
|-------------|--|---------------------------------------------------------|--|----------------------------|--|----------------------------------------------------|--|
| DIMENSIONS: |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:               |  | DWN<br>C. DAILY<br>02JUN05 |  | Tyco Electronics<br>Harrisburg, PA 17105-3608      |  |
| mm          |  | 0 PLC ±<br>1 PLC ±<br>2 PLC ±0.13<br>3 PLC ±<br>4 PLC ± |  | CHK<br>N. PATEL<br>02JUN05 |  | NAME                                               |  |
| MATERIAL    |  | FINISH                                                  |  | APVD                       |  | PRODUCT SPEC                                       |  |
|             |  |                                                         |  |                            |  | APPLICATION SPEC                                   |  |
|             |  |                                                         |  |                            |  | WEIGHT                                             |  |
|             |  |                                                         |  |                            |  | CUSTOMER DRAWING                                   |  |
|             |  |                                                         |  |                            |  | ASSEMBLY, 8 SEGMENT,<br>EXTERNAL BALLAST CONNECTOR |  |
|             |  |                                                         |  |                            |  | SIZE CAGE CODE DRAWING NO                          |  |
|             |  |                                                         |  |                            |  | A1 00779 C=1877086                                 |  |
|             |  |                                                         |  |                            |  | RESTRICTED TO                                      |  |
|             |  |                                                         |  |                            |  | SCALE 6:1 SHEET 1 OF 2 REV 2                       |  |

|           |
|-----------|
| 1877086-8 |
| 1877086-7 |
| 1877086-6 |
| 1877086-5 |
| 1877086-4 |
| 1877086-3 |
| 1877086-2 |
| 1877086-1 |

PART NO

| LOC | DIST | REVISIONS |     |             |      |
|-----|------|-----------|-----|-------------|------|
|     |      | F         | LYR | DESCRIPTION | DATE |
| -   | -    | -         | -   | SEE SHEET 1 | -    |
|     |      |           |     |             |      |
|     |      |           |     |             |      |
|     |      |           |     |             |      |

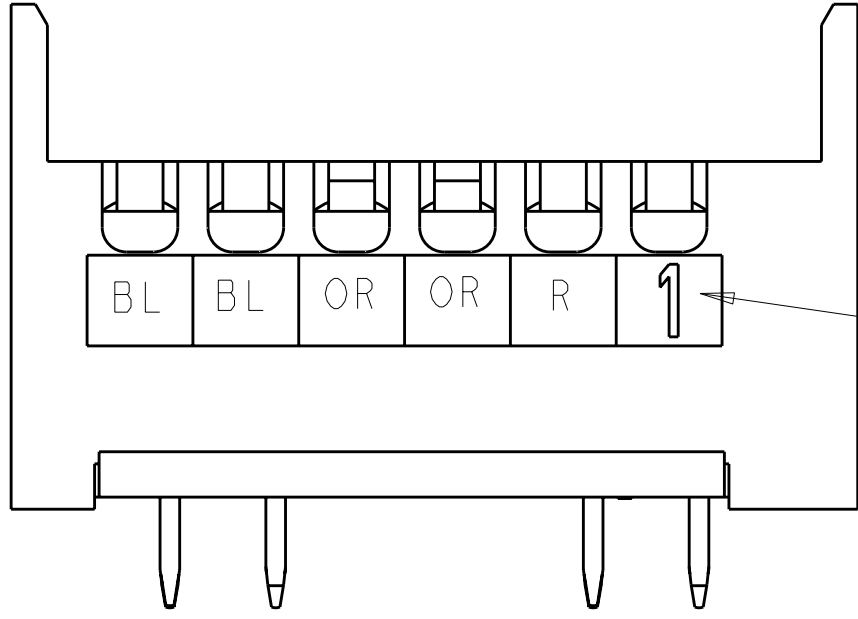
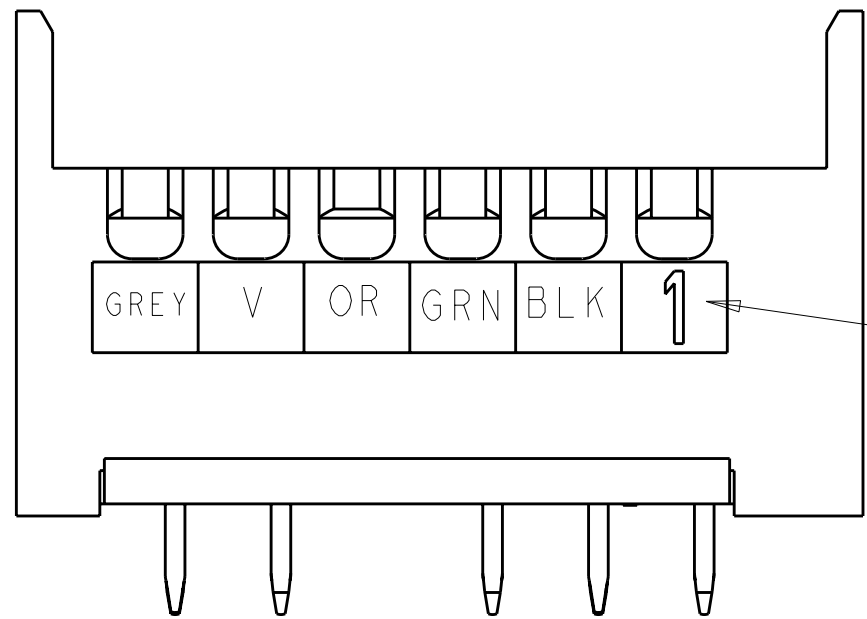
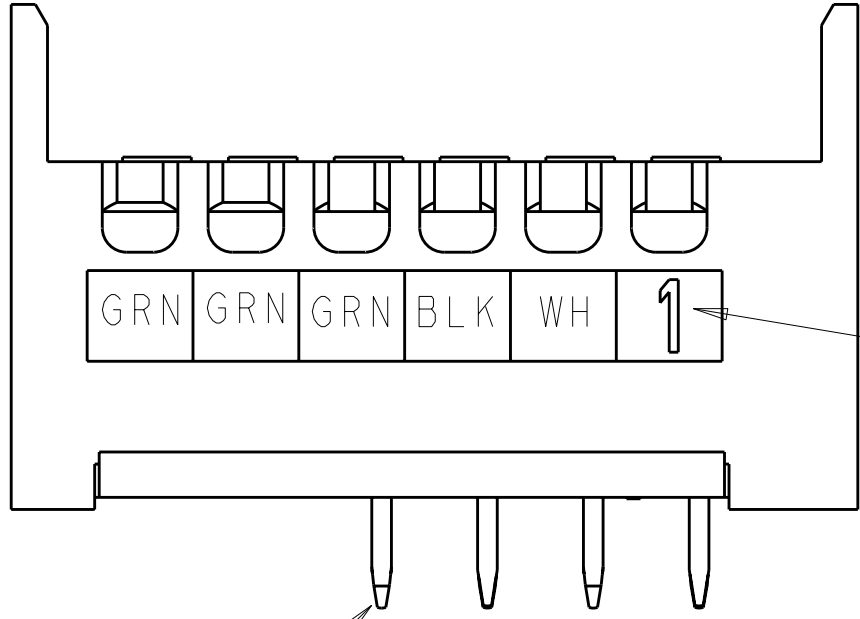
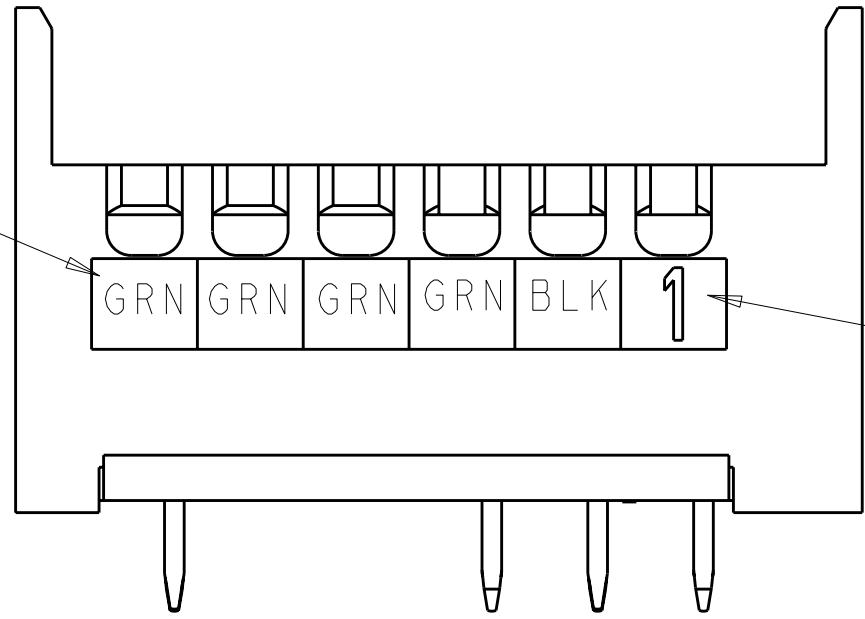
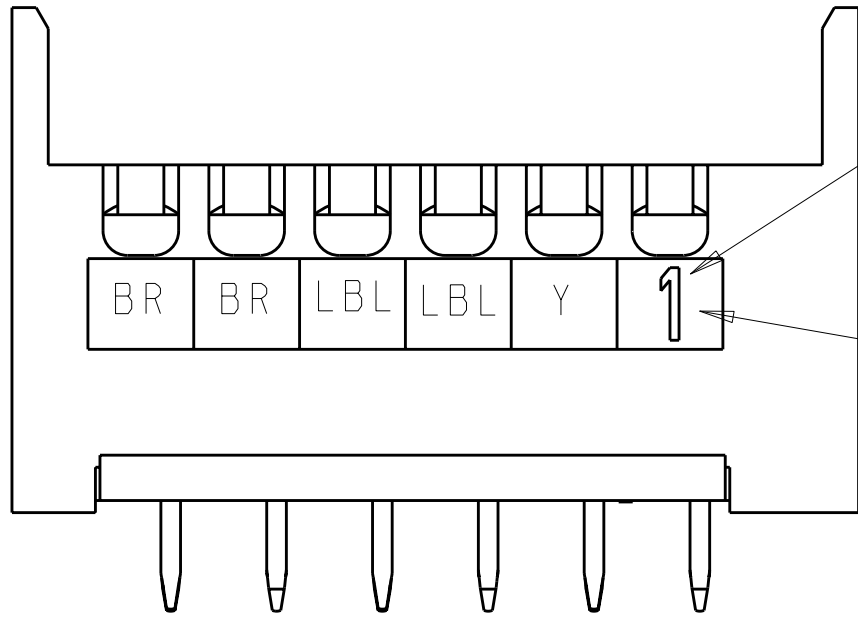


CLOSED WIRE  
ENTRANCES

CLOSED WIRE  
ENTRANCES

CLOSED WIRE  
ENTRANCE

CLOSED WIRE  
ENTRANCES



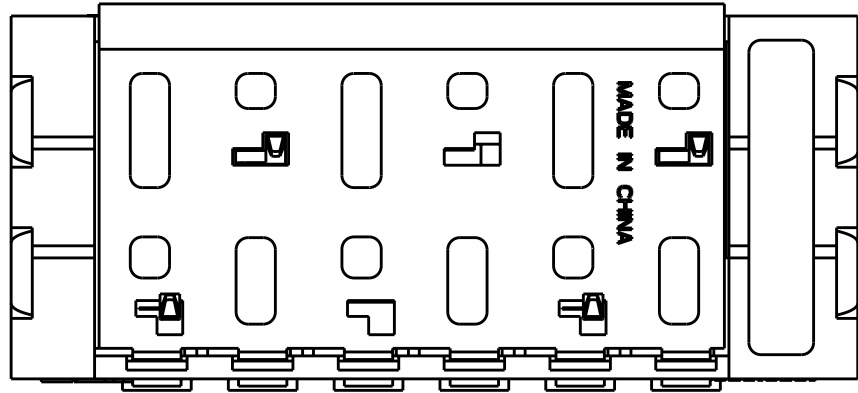
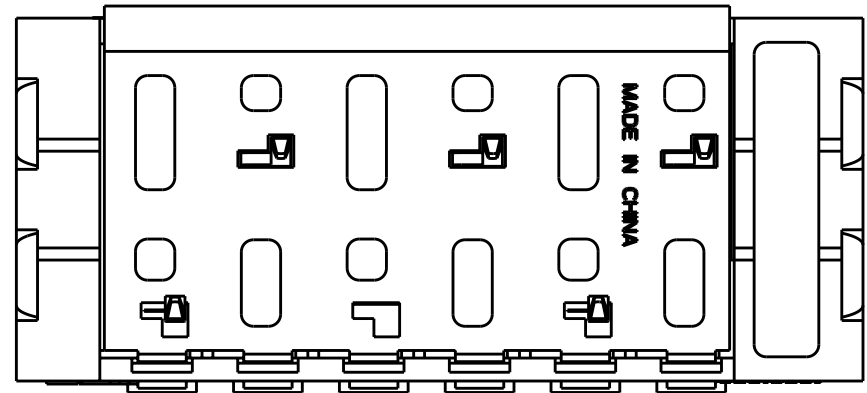
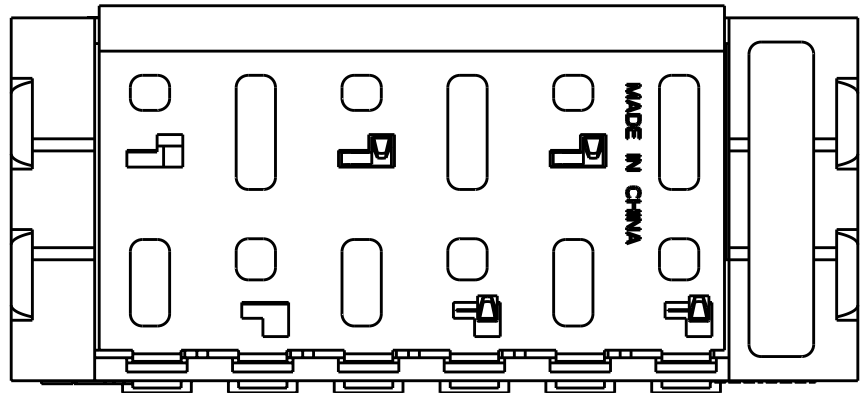
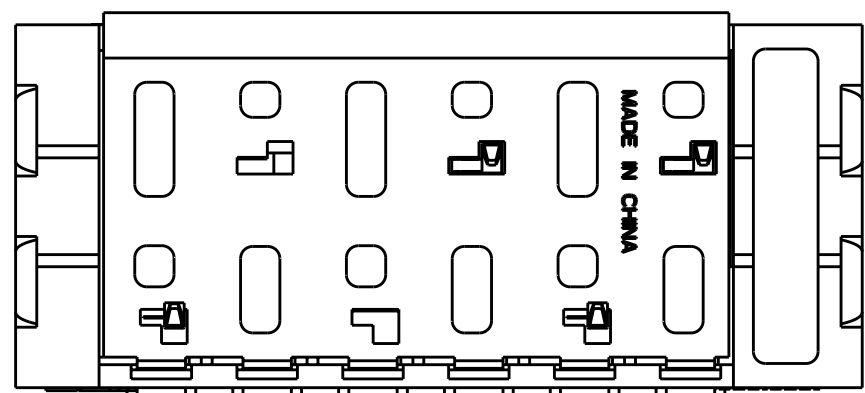
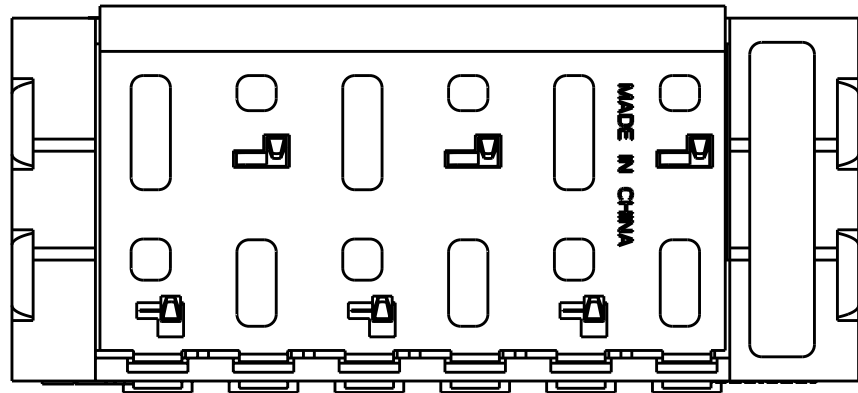
CONTACTS FULLY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED



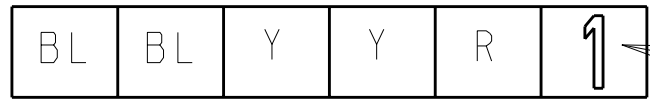
1877086-1  
USE PCB SCHEME B

1877086-4  
USE PCB SCHEME B

1877086-5  
USE PCB SCHEME A

1877086-7  
USE PCB SCHEME B

1877086-8  
USE PCB SCHEME B



1877086-2  
SAME AS 1877086-1,  
EXCEPT FOR LABEL,  
AS SHOWN



1877086-3  
SAME AS 1877086-1,  
EXCEPT FOR LABEL,  
AS SHOWN



1877086-6  
SAME AS 1877086-5,  
EXCEPT FOR LABEL,  
AS SHOWN

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|                       |                       |                       |                       |                       |                       |           |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|
| BLUE                  | BLUE                  | ORANGE                | ORANGE                | RED                   | RED                   | 1877086-8 |
| GREY                  | VIOLET                | ORANGE                | GREEN                 | BLACK                 | WHITE                 | 1877086-7 |
| ORANGE                | ORANGE                | GREEN                 | BLACK                 | WHITE                 | GREY                  | 1877086-6 |
| GREEN                 | GREEN                 | GREEN                 | BLACK                 | WHITE                 | GREY                  | 1877086-5 |
| GREEN                 | GREEN                 | GREEN                 | GREEN                 | BLACK                 | WHITE                 | 1877086-4 |
| BLUE                  | BLUE                  | ORANGE                | ORANGE                | RED                   | RED                   | 1877086-3 |
| BLUE                  | BLUE                  | YELLOW                | YELLOW                | RED                   | RED                   | 1877086-2 |
| BROWN                 | BROWN                 | LT.BLUE               | LT.BLUE               | YELLOW                | YELLOW                | 1877086-1 |
| POSN<br>NO 6<br>COLOR | POSN<br>NO 5<br>COLOR | POSN<br>NO 4<br>COLOR | POSN<br>NO 3<br>COLOR | POSN<br>NO 2<br>COLOR | POSN<br>NO 1<br>COLOR | PART NO   |

|                                                                                                                                                          |  |                            |                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|-----------------------------------------------|--|
| TYCO ELECTRONICS CORPORATION<br>1111 E. BROADWAY, SUITE 100, HARRISBURG, PA 17105-3608<br>TEL: 717/631-1000 FAX: 717/631-1001<br>WWW.TYCOELECTRONICS.COM |  | DWN<br>C. DAILY<br>02JUN05 | Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm                                                                                                                                        |  | CHK<br>N. PATEL<br>02JUN05 | NAME                                          |  |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br>9 PLC ±<br>2 PLC ±0.13<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH                                          |  | APVD                       | PRODUCT SPEC                                  |  |
| MATERIAL                                                                                                                                                 |  |                            | APPLICATION SPEC                              |  |
|                                                                                                                                                          |  |                            | WEIGHT                                        |  |
|                                                                                                                                                          |  |                            | CUSTOMER DRAWING                              |  |
|                                                                                                                                                          |  |                            | SIZE CAGE CODE DRAWING NO                     |  |
|                                                                                                                                                          |  |                            | RESTRICTED TO                                 |  |
|                                                                                                                                                          |  |                            | A1 00779 C=1877086                            |  |
|                                                                                                                                                          |  |                            | SCALE 6:1 SHEET 2 OF 2 REV 2                  |  |

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