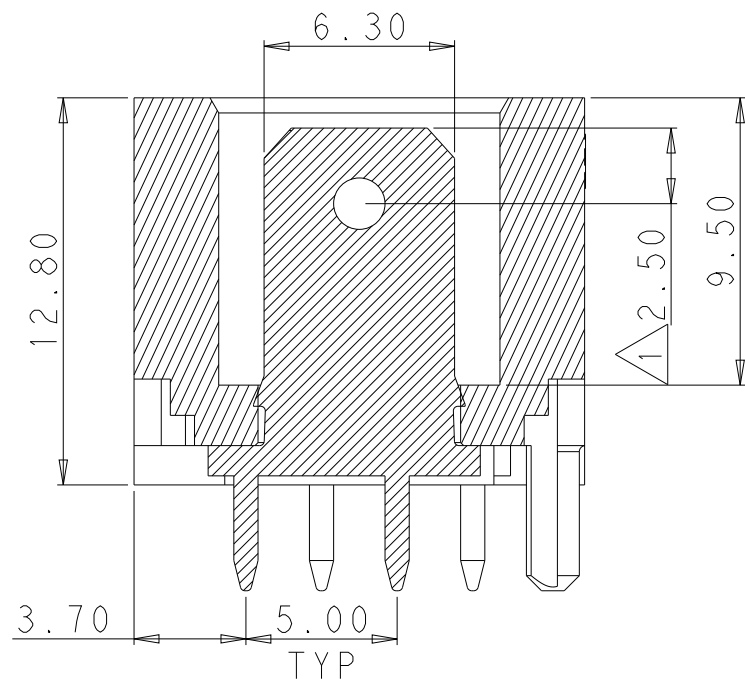
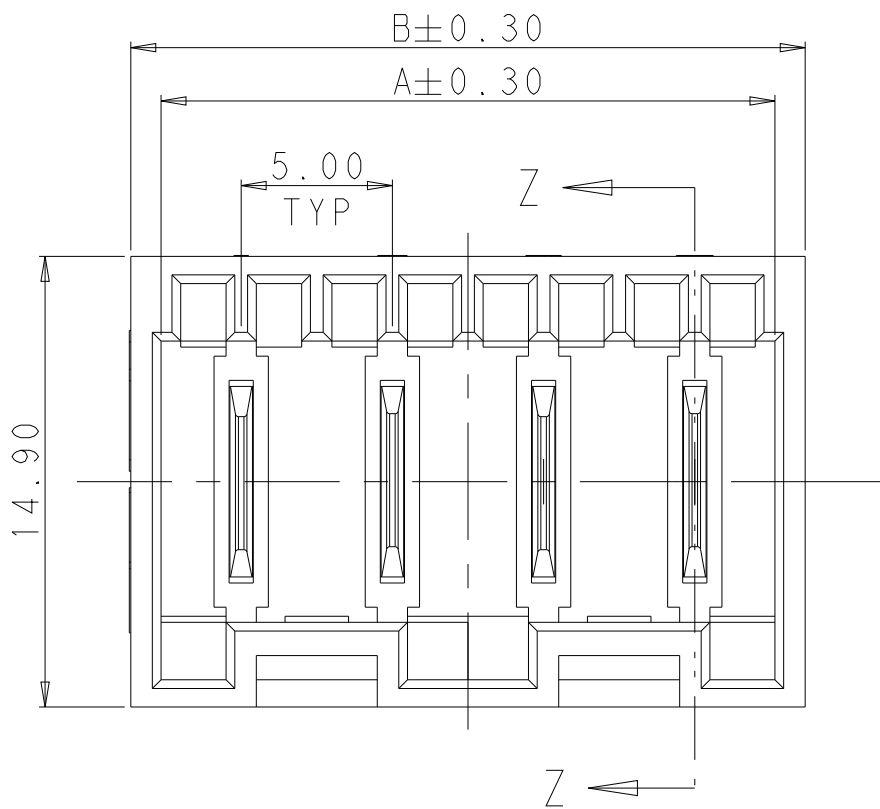
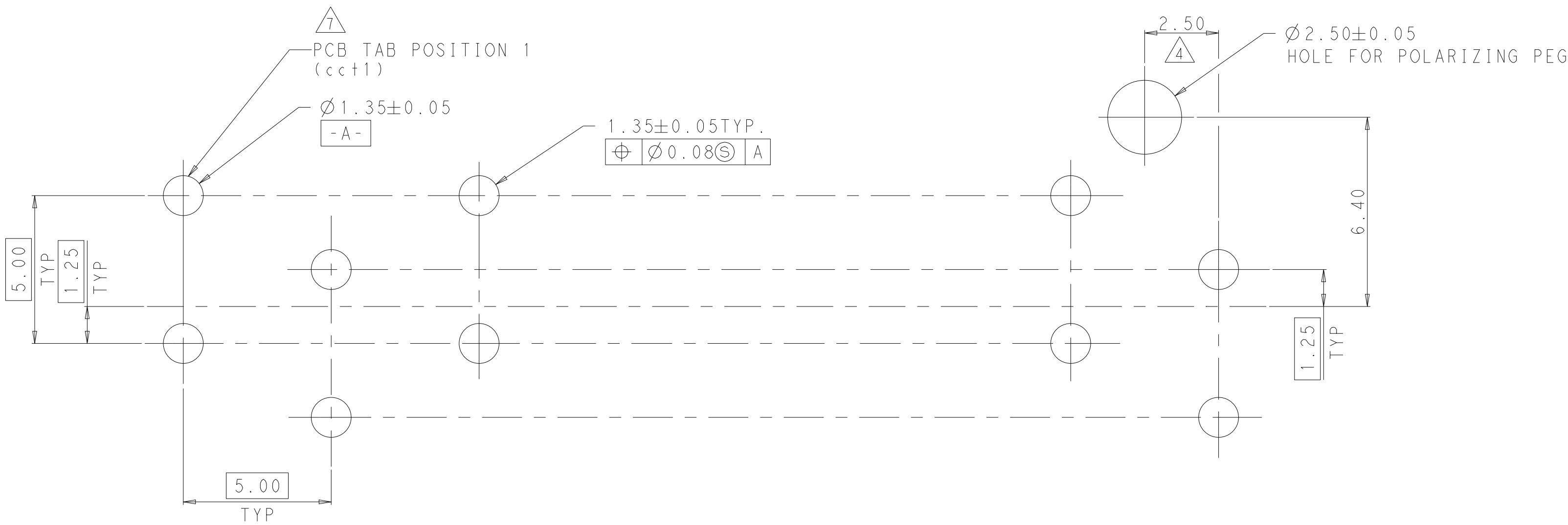
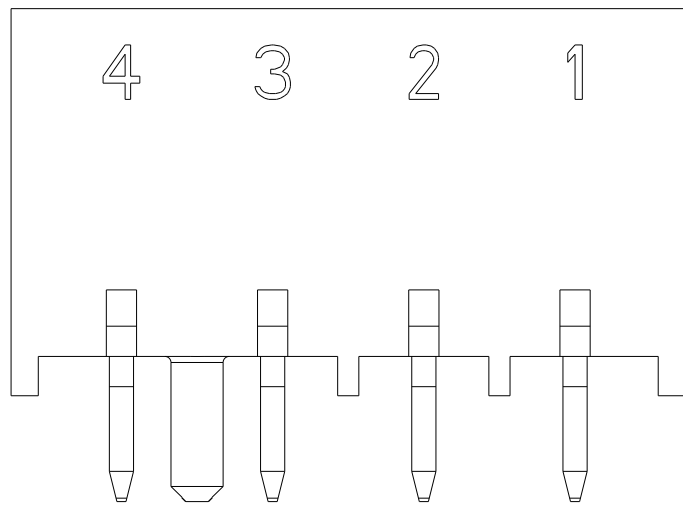
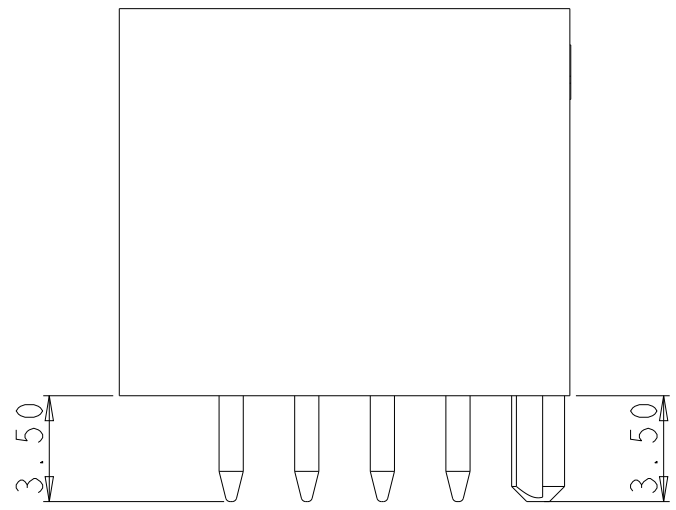
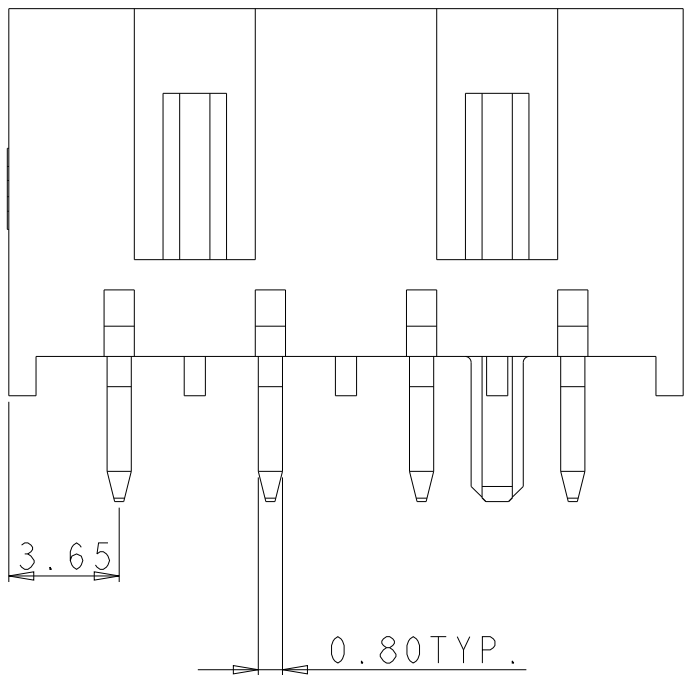


| LOC | DIST | REVISIONS |     |               |           |     |      |  |
|-----|------|-----------|-----|---------------|-----------|-----|------|--|
|     |      | P         | LTR | DESCRIPTION   | DATE      | DWN | APVD |  |
|     |      | A1        |     | ECO-19-016533 | 31OCT2019 | SM  | FL   |  |
|     |      | B         |     | ECR-21-100869 | 31MAR2021 | PJ  | FL   |  |
|     |      | B1        |     | ECR-21-118862 | 05NOV2021 | SM  | FL   |  |
|     |      | B2        |     | ECR-25-252563 | 04AUG2025 | AK  | FL   |  |



SECTION Z-Z



PCB LAYOUT-COMPONENT SIDE  
PCB IS 1.50±0.20 THICK

1. HOUSING HAS RAST 5 COMPLIANT KEYING, LATCHING, AND POLARIZATION.  
TAB IS 6.3 x 0.8, HOWEVER, THE LOCATION OF THE  
TAB HOLE DOES NOT MEET DIN 46244.

2. RECOMMENDED MATING CONNECTOR FAMILIES INCLUDE  
POSITIVE-LOCK RAST 5, STANDARD TIMER RAST 5, MULTIFITTING,  
MULTIFITTING MKII, AND MONO-SHAPE TAB CONNECTORS.

3. SEE SHEET 2&3 FOR AVAILABLE CONFIGURATIONS .

4. DIMENSION OFF OF LAST POSITION REGARDLESS OF EVEN  
OR ODD POSITION CONNECTOR.

5. MATERIAL: HOUSING, NYLON, UL 94V-0.  
CONTACT, BRASS, 0.8mm THICK.

6. FINISH: CONTACTS, TIN PLATING OVER NICKEL UNDERPLATING  
SILVER PLATING OVER NICKEL UNDERPLATING.

7. PCB TABS INSERTED IN A STAGGERED PATTERN BEGINNING WITH  
POSITION 1.

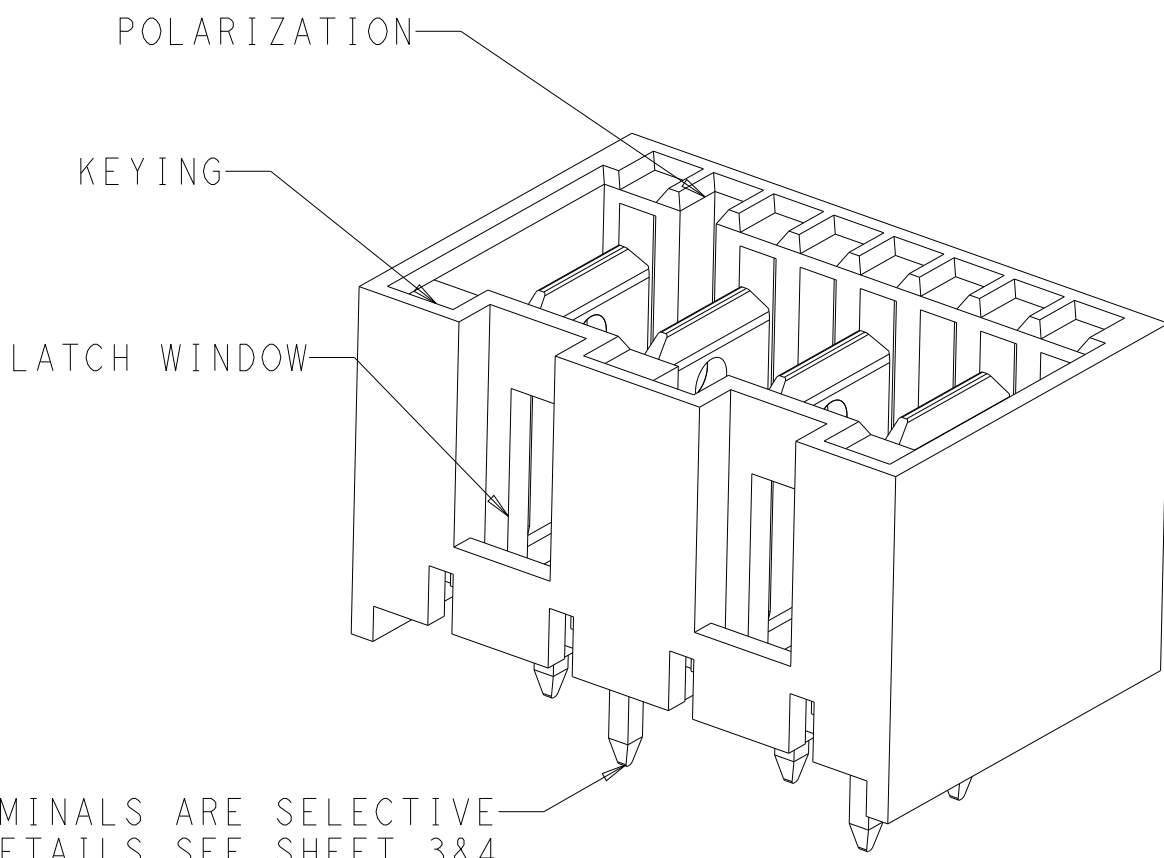
8. THE PART NUMBERS SHOWN IN SHEET 2&3&4 ARE FOR NATURAL COLOR.  
THE PART NUMBERS FOR OTHER COLORS ARE BASED ON THE NATURAL ONE:  
FOR THE SAME CONFIGURATION, THE PREFIX AND POSTFIX OF THE P/N ARE THE SAME,  
ONLY THE BASE NUMBER IS DIFFERENT ACCORDING TO DIFFERENT COLOR.  
THE DETAILS SEE SHEET 5.

9. PACKAGING: LOOSE PIECE OR TUBE. THE PART NUMBERS IN THIS DRAWING ARE WITH  
LOOSE PICE PACKAGING. PLEASE CONTACT TE SALES REPRESENTATIVES FOR TUBE  
PACKAGING REQUIREMENT.

10. PRODUCT COMPLY WITH GLOW WIRE REQUIREMENTS FOR PARTS OF  
NON-METALLIC MATERIAL SUPPORTING A CURRENT-CARRYING CONNECTION  
DETAILED IN IEC 60335-1, SECTION 30 (GWT).

11. TOOL MARK ON TERMINAL SURFACE IS ACCEPTABLE WHICH DOES NOT IMPACT FUNCTION

12. PRELIMINARY PART, NOT YET RELEASED FOR PRODUCTION



|      |      |             |
|------|------|-------------|
| 42.3 | 40.3 | 8           |
| 37.3 | 35.3 | 7           |
| 32.3 | 30.3 | 6           |
| 27.3 | 25.3 | 5           |
| 22.3 | 20.3 | 4           |
| 17.3 | 15.3 | 3           |
| 12.3 | 10.3 | 2           |
| B    | A    | NO. OF POS. |

|                                        |  |                             |                                                                                |            |
|----------------------------------------|--|-----------------------------|--------------------------------------------------------------------------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN: DANIEL ZHANG 02AUG2013 | TE Connectivity                                                                |            |
|                                        |  | CHK: DANIEL ZHANG 02AUG2013 |                                                                                |            |
| DIMENSIONS:                            |  | APVD: YUHONG MAO 02AUG2013  | NAME                                                                           |            |
| mm                                     |  | PRODUCT SPEC                | ASSEMBLY, POSITIVE LOCK<br>RAST 5, HEADER<br>VERTICAL, SELECTIVE TAB TERMINALS |            |
|                                        |  | 108-106080                  |                                                                                |            |
|                                        |  | APPLICATION SPEC            |                                                                                |            |
|                                        |  | SIZE                        | CAGE CODE                                                                      | DRAWING NO |
| MATERIAL                               |  | WEIGHT                      | A100779C=2232611                                                               |            |
|                                        |  | Customer Drawing            | SCALE                                                                          | 4:1        |
|                                        |  |                             | SHEET                                                                          | 1 OF 4     |
|                                        |  |                             | REV                                                                            | B2         |



| LOC |     | DIST        |  | REVISIONS |      |     |      |  |
|-----|-----|-------------|--|-----------|------|-----|------|--|
| P   | LYR | DESCRIPTION |  |           | DATE | DWN | APVD |  |
|     |     |             |  |           |      |     |      |  |
| -   | -   | SEE SHEET 1 |  |           | -    | -   | -    |  |
|     |     |             |  |           |      |     |      |  |
|     |     |             |  |           |      |     |      |  |
|     |     |             |  |           |      |     |      |  |

|         |                 |                      |               |             |              |             |             |
|---------|-----------------|----------------------|---------------|-------------|--------------|-------------|-------------|
| NATURAL | SILVER PLATED   | 1,3                  | 2-3           | 1c,1d,2c,3d | 2b,3b        | 3           | 1-2232614-3 |
|         |                 | 1,3                  | 1-2           | 1c,3d       | 3b           | 3           | 2232614-3   |
| COLOR   | FINISH TAB POST | LOADED TAB POSITIONS | LATCH WINDOWS | KEYING      | POLARIZATION | NO. OF POS. | PART NUMBER |

|         |                 |                      |               |             |              |             |             |
|---------|-----------------|----------------------|---------------|-------------|--------------|-------------|-------------|
| NATURAL | TIN PLATED      | 1,3                  | 2-3           | 1c,1d,2c,3d | 2b,3b        | 3           | 1-2232612-3 |
|         |                 | 1,3                  | 1-2           | 1c,3d       | 3b           | 3           | 2232612-3   |
| COLOR   | FINISH TAB POST | LOADED TAB POSITIONS | LATCH WINDOWS | KEYING      | POLARIZATION | NO. OF POS. | PART NUMBER |

|         |                 |                      |               |             |                         |             |             |
|---------|-----------------|----------------------|---------------|-------------|-------------------------|-------------|-------------|
| NATURAL | SILVER PLATED   | 1,4,5,6,7,8          | 1-2,7-8       | 2d,3c,6d,7c | -                       | 8           | 2232613-8   |
|         |                 | 1,3,5,7              | 1-2,4-5,6-7   | 3c,5d,6c,7d | 1a,2a,4a,4b,5b,6a,6b,7b | 7           | 1-2232613-7 |
|         |                 | 1,2,4,5,6,7          | 1-2,6-7       | 3d,7d       | 5b                      | 7           | 2232613-7   |
|         |                 | 1,3,5,6              | 1-2,4-5       | 3c,6d       | 1b                      | 6           | 2232613-6   |
|         |                 |                      |               |             |                         |             |             |
|         |                 | 1,2,4,5              | 1-2,3-4       | 1c,2d,3c,5d | 1a,5b                   | 5           | 3-2232613-5 |
|         |                 | 1,3,5                | 2-3           | 3d,4c       | 1a,5b                   | 5           | 2-2232613-5 |
|         |                 | 1,2,4,5              | 1-2,3-4       | 2d,5d       | 2b                      | 5           | 1-2232613-5 |
|         |                 | 1,3,4,5              | 1-2,4-5       | 2d          | 2b                      | 5           | 2232613-5   |
|         |                 |                      |               |             |                         |             |             |
|         |                 | 1,2,4                | 1-2,3-4       | 3c,4d       | 1b                      | 4           | 1-2232613-4 |
|         |                 | 1,3,4                | 1-2,3-4       | 3c,4d       | 1b                      | 4           | 2232613-4   |
|         |                 | 1,3                  | 2-3           | -           | -                       | 3           | 9-2232613-3 |
|         |                 | 1,3                  | 2-3           | 1d,3d       | 2a                      | 3           | 8-2232613-3 |
|         |                 | 1,3                  | 1-2           | 1c,3c       | 3b                      | 3           | 7-2232613-3 |
|         |                 | 1,3                  | 1-2           | 1c,2d       | 1b,2b                   | 3           | 6-2232613-3 |
|         |                 | 1,3                  | 1-2           | 1c          | 1a,3a                   | 3           | 5-2232613-3 |
|         |                 | 1,3                  | 2-3           | 1c,3d       | 3b                      | 3           | 4-2232613-3 |
|         |                 | 1,3                  | 2-3           | 1d,3d       | 3b                      | 3           | 3-2232613-3 |
|         |                 | 1,3                  | 1-2           | 3c          | 1a                      | 3           | 2-2232613-3 |
|         |                 | 1,3                  | 2-3           | 1d,2c       | 2b,3b                   | 3           | 1-2232613-3 |
|         |                 | 1,3                  | 1-2           | 1c,2d       | 1b                      | 3           | 2232613-3   |
| COLOR   | FINISH TAB POST | LOADED TAB POSITIONS | LATCH WINDOWS | KEYING      | POLARIZATION            | NO. OF POS. | PART NUMBER |

|         |                 |                      |               |             |                         |             |             |
|---------|-----------------|----------------------|---------------|-------------|-------------------------|-------------|-------------|
| NATURAL | TIN PLATED      | 1,4,5,6,7,8          | 1-2,7-8       | 2d,3c,6d,7c | -                       | 8           | 2232611-8   |
|         |                 | 1,3,5,7              | 1-2,4-5,6-7   | 3c,5d,6c,7d | 1a,2a,4a,4b,5b,6a,6b,7b | 7           | 1-2232611-7 |
|         |                 | 1,2,4,5,6,7          | 1-2,6-7       | 3d,7d       | 5b                      | 7           | 2232611-7   |
|         |                 | 1,3,5,6              | 1-2,4-5       | 3c,6d       | 1b                      | 6           | 2232611-6   |
|         |                 | 1,3,5                | 1-2,4-5       | 2d          | 2b                      | 5           | 4-2232611-5 |
|         |                 | 1,2,4,5              | 1-2,3-4       | 1c,2d,3c,5d | 1a,5b                   | 5           | 3-2232611-5 |
|         |                 | 1,3,5                | 2-3           | 3d,4c       | 1a,5b                   | 5           | 2-2232611-5 |
|         |                 | 1,2,4,5              | 1-2,3-4       | 2d,5d       | 2b                      | 5           | 1-2232611-5 |
|         |                 | 1,3,4,5              | 1-2,4-5       | 2d          | 2b                      | 5           | 2232611-5   |
|         |                 | 1,2,4                | 1-2,3-4       | 3c,4d       | 1b                      | 4           | 1-2232611-4 |
|         |                 | 1,4                  | 1-2,3-4       | 3c,4d       | 1b                      | 4           | 2-2232611-4 |
|         |                 | 1,3,4                | 1-2,3-4       | 3c,4d       | 1b                      | 4           | 2232611-4   |
|         |                 | 1,3                  | 2-3           | -           | -                       | 3           | 9-2232611-3 |
|         |                 | 1,3                  | 2-3           | 1d,3d       | 2a                      | 3           | 8-2232611-3 |
|         |                 | 1,3                  | 1-2           | 1c,3c       | 3b                      | 3           | 7-2232611-3 |
|         |                 | 1,3                  | 1-2           | 1c,2d       | 1b,2b                   | 3           | 6-2232611-3 |
|         |                 | 1,3                  | 1-2           | 1c          | 1a,3a                   | 3           | 5-2232611-3 |
|         |                 | 1,3                  | 2-3           | 1c,3d       | 3b                      | 3           | 4-2232611-3 |
|         |                 | 1,3                  | 2-3           | 1d,3d       | 3b                      | 3           | 3-2232611-3 |
|         |                 | 1,3                  | 1-2           | 3c          | 1a                      | 3           | 2-2232611-3 |
|         |                 | 1,3                  | 2-3           | 1d,2c       | 2b,3b                   | 3           | 1-2232611-3 |
|         |                 | 1,3                  | 1-2           | 1c,2d       | 1b                      | 3           | 2232611-3   |
| COLOR   | FINISH TAB POST | LOADED TAB POSITIONS | LATCH WINDOWS | KEYING      | POLARIZATION            | NO. OF POS. | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH -

02AUG2013

02AUG2013

02AUG2013

02AUG2013

DWN DANIEL ZHANG

CHK DANIEL ZHANG

APVD YUHONG MAO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

Customer Drawing

NAME

ASSEMBLY, POSITIVE LOCK  
RAST 5, HEADER  
VERTICAL, SELECTIVE TAB TERMINALS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

C=2232611

SCALE

NA

SHEET

2

OF

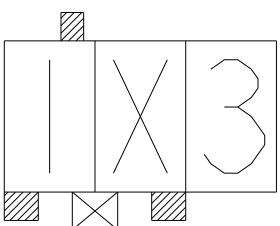
4

REV

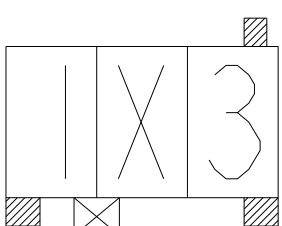
B2



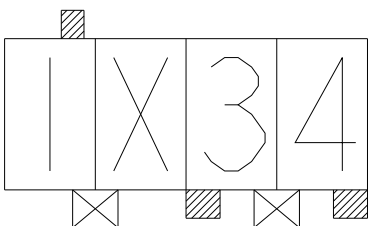
| LOC |     | DIST        |  | REVISONS |      |     |      |
|-----|-----|-------------|--|----------|------|-----|------|
| P   | LYR | DESCRIPTION |  |          | DATE | DWN | APVD |
| -   | -   | SEE SHEET 1 |  |          | -    | -   | -    |
|     |     |             |  |          |      |     |      |
|     |     |             |  |          |      |     |      |



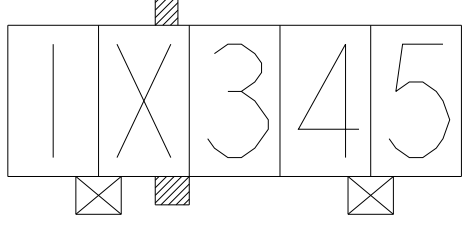
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2232613-3



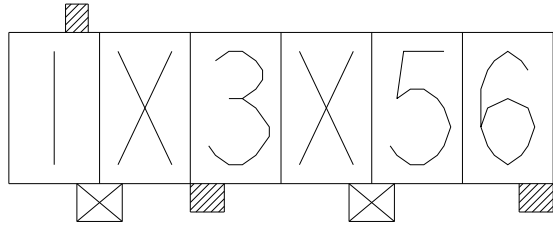
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2232614-3



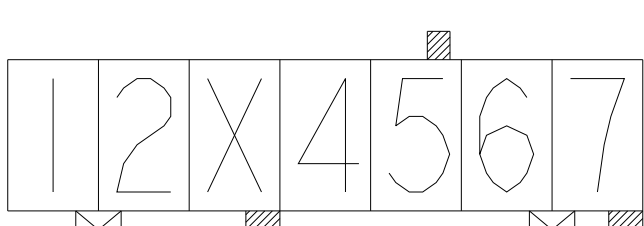
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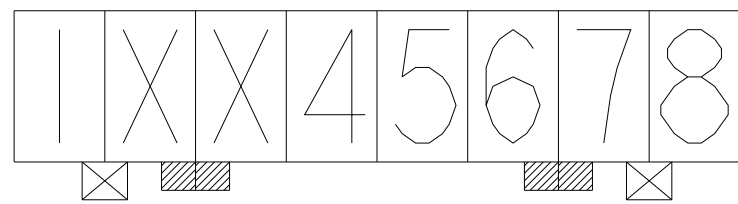
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2232613-5



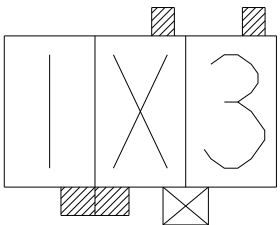
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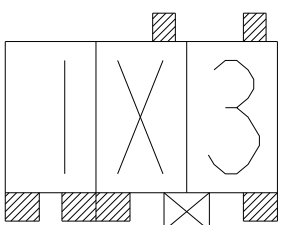
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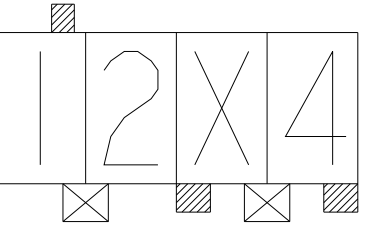
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2232613-8



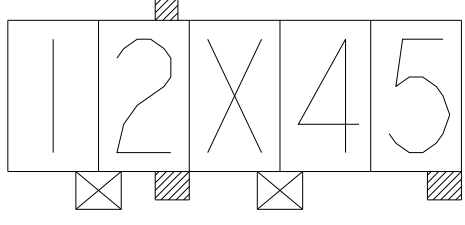
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1-2232613-3



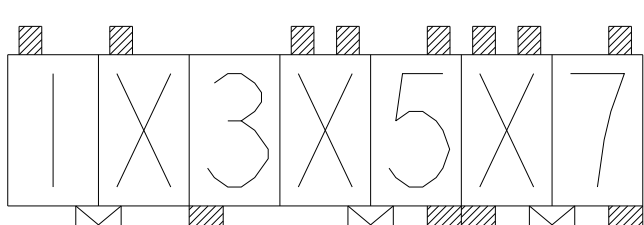
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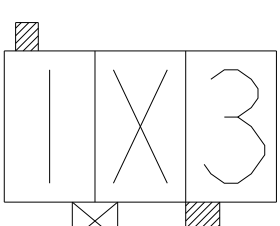
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1-2232613-4



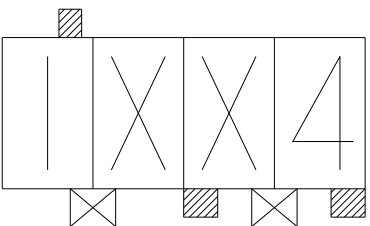
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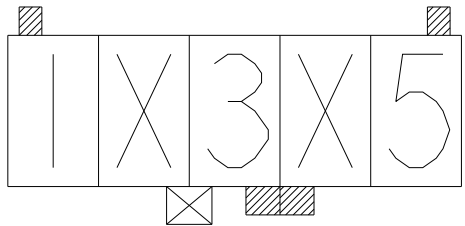
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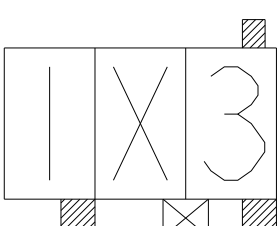
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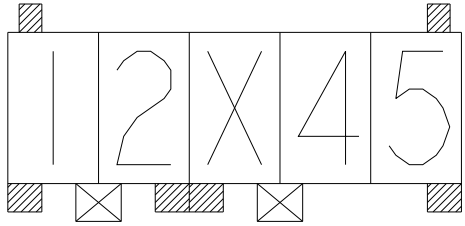
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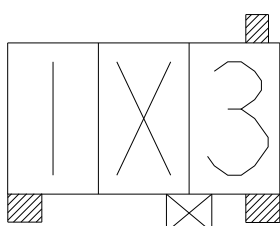
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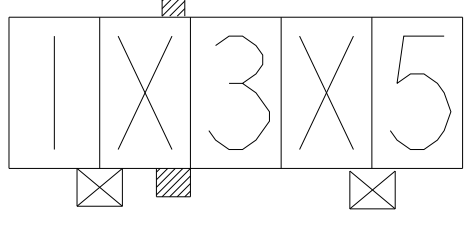
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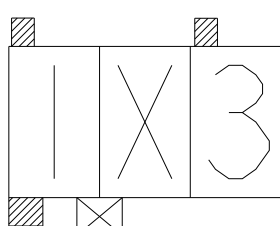
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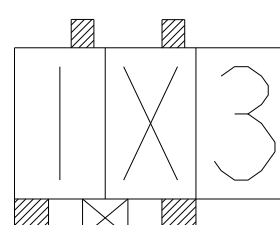
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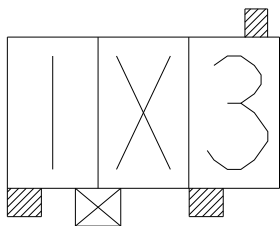
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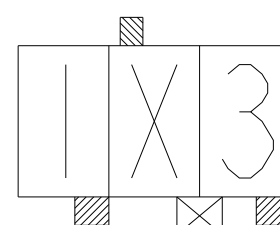
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5-2232613-3



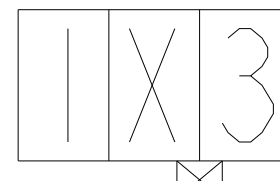
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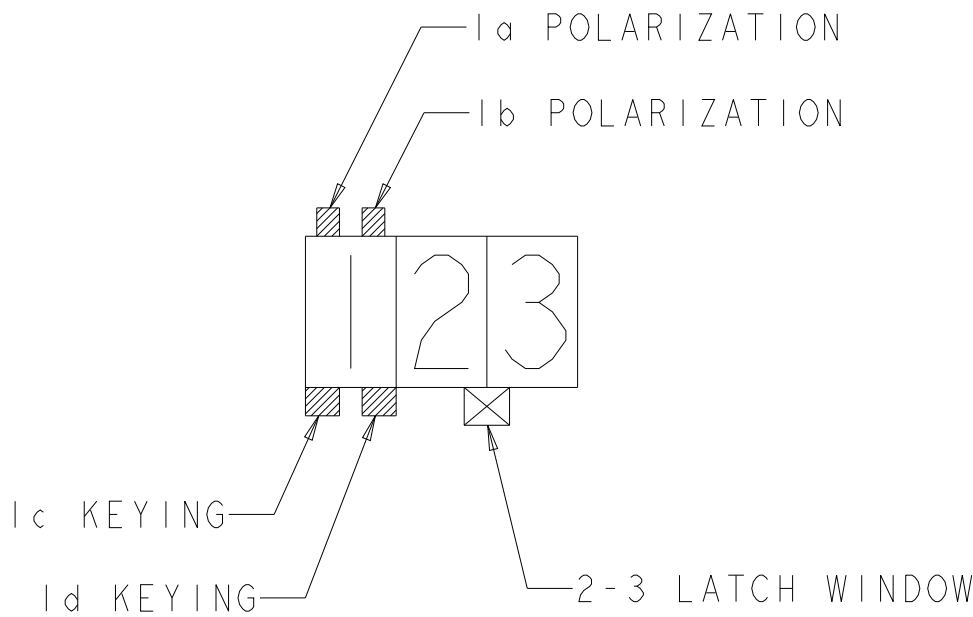
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7-2232613-3



8-2232611-3  
8-2232613-3

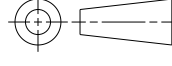


9-2232611-3  
9-2232613-3



NOTES:  
1. "X" MEANS "NO TAB TERMINAL LOADED".  
2. "NUMBER(1~9)" MEANS "TAB TERMINAL LOADED".

## PICTORIAL VIEW KEY

|                                                                                       |  |                                        |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN: DANIEL ZHANG 02AUG2013            |  TE Connectivity |  |
| DIMENSIONS:                                                                           |  | CHK: DANIEL ZHANG 02AUG2013            |                                                                                                       |  |
| mm                                                                                    |  | APVD: YUHONG MAO 02AUG2013             | NAME                                                                                                  |  |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | PRODUCT SPEC                                                                                          |  |
|                                                                                       |  | 0 PLC ±°                               | APPLICATION SPEC                                                                                      |  |
|                                                                                       |  | 1 PLC ±°                               | SIZE                                                                                                  |  |
| MATERIAL                                                                              |  | 2 PLC ±°                               | CAGE CODE                                                                                             |  |
| -                                                                                     |  | 3 PLC ±°                               | DRAWING NO                                                                                            |  |
|                                                                                       |  | 4 PLC ±°                               | RESTRICTED TO                                                                                         |  |
|                                                                                       |  | ANGLES                                 | A100779                                                                                               |  |
|                                                                                       |  | FINISH                                 | C=2232611                                                                                             |  |
|                                                                                       |  | -                                      | Customer Drawing                                                                                      |  |
|                                                                                       |  | -                                      | SCALE                                                                                                 |  |
|                                                                                       |  | -                                      | NA                                                                                                    |  |
|                                                                                       |  | -                                      | SHEET                                                                                                 |  |
|                                                                                       |  | -                                      | 3                                                                                                     |  |
|                                                                                       |  | -                                      | OF                                                                                                    |  |
|                                                                                       |  | -                                      | 4                                                                                                     |  |
|                                                                                       |  | -                                      | REV                                                                                                   |  |
|                                                                                       |  | -                                      | B2                                                                                                    |  |

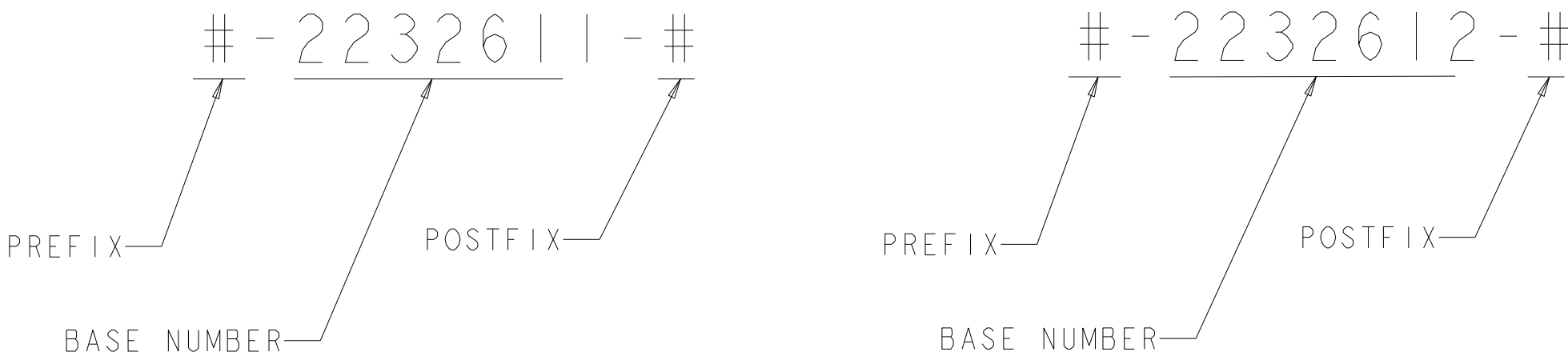


| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -   | -    | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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

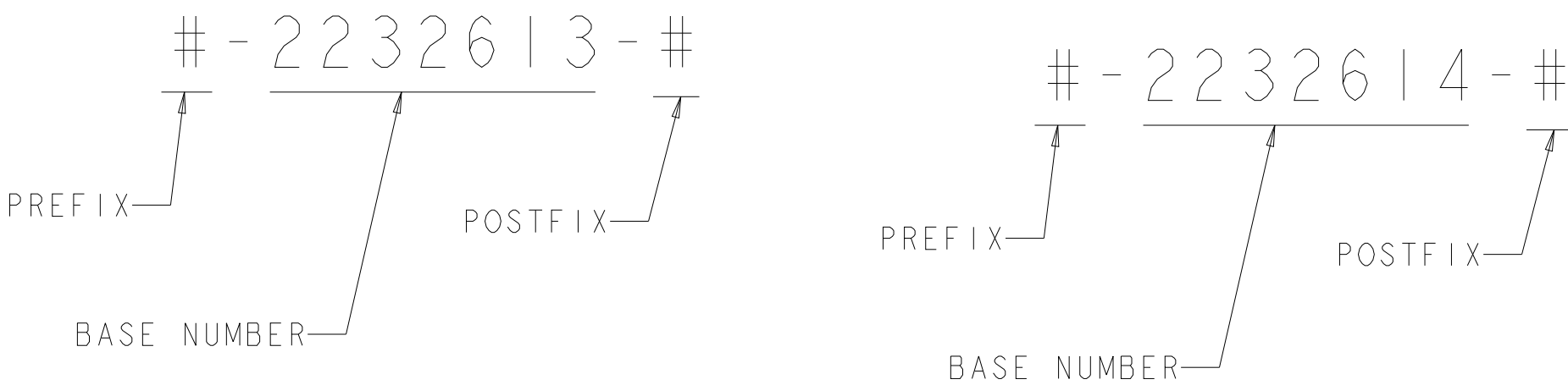
NOTES:  
1.FOR TAB HEADER COLOR CHOICE, THERE ARE EIGHT COLORS AVAILABLE, BESIDES THE NATURAL COLOR, THERE ARE OTHER SEVEN COLORS, INCLUDE: YELLOW, BLUE, GREY, PURPLE, RED, GREEN, BLACK. THE P/N OF THE COLOR TAB HEADER ARE BASED ON THE NATURAL TAB HEADER, THE PREFIX AND POSTFIX ARE THE SAME.  
2.MORE INFORMATION SEE COMMENTS IN RIGHT COLUMN OF BELOW CHART.

| COLOR   | PART NUMBER OF THE HOUSING |             | PART NUMBER OF TAB HEADER |             |                            |             | COMMENTS                                                                                                                                                                                                                       |
|---------|----------------------------|-------------|---------------------------|-------------|----------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |                            |             | WITH TIN PLATED CONTACT   |             | WITH SILVER PLATED CONTACT |             |                                                                                                                                                                                                                                |
| NATURAL | *-1971849-*                | *-1971893-* | #-2232611-#               | #-2232612-# | #-2232613-#                | #-2232614-# | THE DETAILS OF CONFIGURATION SEE SHEET 3&4.                                                                                                                                                                                    |
| RED     | *-1971942-*                | *-1971944-* | #-2232615-#               | #-2232616-# | #-2232617-#                | #-2232618-# | IF THE PREFIX AND POSTFIX NUMBERS OF DIFFERENT COLOR HEADER ARE SAME AS THE ONES OF THE NATURAL TAB HEADER AND THEY ARE IN SAME COLUMN, SO THEY SHOULD HAVE THE SAME CONFIGURATION: SAME KEYING,POLARIZATION AND LATCH WINDOW. |
| BLUE    | *-1971950-*                | *-1971952-* | #-2232619-#               | #-2232620-# | #-2232621-#                | #-2232622-# |                                                                                                                                                                                                                                |
| YELLOW  | *-2232012-*                | *-2232014-* | #-2232623-#               | #-2232624-# | #-2232625-#                | #-2232626-# | FOR DIFFERENT BASE NUMBER OF SAME COLOR HEADER, ONLY DIFFERENCE IS CONFIGURATION (KEYING, POLARIZATION AND LATCH WINDOW).                                                                                                      |
| BLACK   | *-2232004-*                | *-2232006-* | #-2232627-#               | #-2232628-# | #-2232629-#                | #-2232630-# |                                                                                                                                                                                                                                |
| GREY    | *-2232020-*                | *-2232022-* | #-2232631-#               | #-2232632-# | #-2232633-#                | #-2232634-# | THE RELATED HOUSING PART NUMBERS OF DIFFERENT COLOR TAB HEADER ARE ALSO BASED ON NATURAL HOUSING, ONLY THE BASE NUMBER IS DIFFERENT, THE DETAILS SEE BOM IN SHEET 2,3&4.                                                       |
| GREEN   | *-1971958-*                | *-1971960-* | #-2232635-#               | #-2232636-# | #-2232637-#                | #-2232638-# |                                                                                                                                                                                                                                |
| PURPLE  | *-2232028-*                | *-2232030-* | #-2232639-#               | #-2232640-# | #-2232641-#                | #-2232642-# | THE "*" AND "#" CAN BE THE NUMBER FROM 0 TO 9.                                                                                                                                                                                 |
| WHITE   | *-2232293-*                | *-2232295-* | #-2232643-#               | #-2232644-# | #-2232645-#                | #-2232646-# |                                                                                                                                                                                                                                |

\*\*PART NUMBERS OF NATURAL COLOR TAB HEADER WITH TIN PLATED:



\*\*PART NUMBERS OF NATURAL COLOR TAB HEADER WITH SILVER PLATED:



|                                        |                                                                                       |      |              |  |                  |                                                                                                       |                                                                                |              |               |
|----------------------------------------|---------------------------------------------------------------------------------------|------|--------------|--|------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                       | DWN  | DANIEL ZHANG |  | 02AUG2013        |  TE Connectivity |                                                                                |              |               |
|                                        |                                                                                       | CHK  | DANIEL ZHANG |  | 02AUG2013        |                                                                                                       |                                                                                |              |               |
| DIMENSIONS:                            |                                                                                       | APVD | YUHONG MAO   |  | 02AUG2013        | NAME                                                                                                  | ASSEMBLY, POSITIVE LOCK<br>RAST 5, HEADER<br>VERTICAL, SELECTIVE TAB TERMINALS |              |               |
| mm                                     |  |      |              |  | PRODUCT SPEC     |                                                                                                       |                                                                                |              |               |
|                                        |                                                                                       |      |              |  | APPLICATION SPEC |                                                                                                       |                                                                                |              |               |
|                                        |                                                                                       |      |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        |                                                                                       |      |              |  |                  |                                                                                                       |                                                                                |              |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |                                                                                       |      |              |  |                  | SIZE                                                                                                  | CAGE CODE                                                                      | DRAWING NO   | RESTRICTED TO |
|                                        | 0 PLC                                                                                 | ±    |              |  |                  | A100779C=2232611                                                                                      |                                                                                |              | -             |
|                                        | 1 PLC                                                                                 | ±    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        | 2 PLC                                                                                 | ±    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        | 3 PLC                                                                                 | ±    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        | 4 PLC                                                                                 | ±    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        | ANGLES                                                                                | ±    |              |  |                  |                                                                                                       |                                                                                |              |               |
| MATERIAL                               | FINISH                                                                                | -    |              |  |                  |                                                                                                       |                                                                                |              |               |
| -                                      |                                                                                       | -    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        |                                                                                       | -    |              |  |                  |                                                                                                       |                                                                                |              |               |
|                                        |                                                                                       | -    |              |  |                  |                                                                                                       |                                                                                |              |               |
| Customer Drawing                       |                                                                                       |      |              |  |                  | SCALE                                                                                                 | NA                                                                             | SHEET 4 OF 4 | REV B2        |