



4

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1

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DIST

ES

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |
|   |     |             |      |     |      |

|    |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
|----|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 10 | TAB CONTACT<br>w/ SILVER PLATING | I                                                                                          | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 10P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 10                                                                                                                                               | 3-1971837-0<br>2-1971837-0<br>1-1971837-0                                                             |
| 6  |                                  | I                                                                                          | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 9P<br>(SEE THE DETAIL LAYOUT ON SHEET 4)  | 9                                                                                                                                                | 6-1971837-9<br>5-1971837-9<br>4-1971837-9<br>3-1971837-9<br>2-1971837-9<br>1-1971837-9                |
| 9  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 8  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 6  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 7  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 8  |                                  | I                                                                                          | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 8P<br>(SEE THE DETAIL LAYOUT ON SHEET 4)  | 8                                                                                                                                                | 3-1971837-8<br>2-1971837-8<br>1-1971837-8                                                             |
| 6  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 7  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 6  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 5  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 7  |                                  | I                                                                                          | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 7P<br>(SEE THE DETAIL LAYOUT ON SHEET 4)  | 7                                                                                                                                                | 7-1971837-7<br>6-1971837-7<br>5-1971837-7<br>4-1971837-7<br>3-1971837-7<br>2-1971837-7<br>1-1971837-7 |
| 6  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 5  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 4  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 3  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 6  | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 6P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 6                                                                                           | 4-1971837-6<br>3-1971837-6<br>2-1971837-6<br>1-1971837-6                                                                                         |                                                                                                       |
| 5  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 4  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 3  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 2  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 5  | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 5P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 5                                                                                           | 4-1971837-5<br>3-1971837-5<br>2-1971837-5<br>1-1971837-5                                                                                         |                                                                                                       |
| 4  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 3  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 2  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 1  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 4  | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 4P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 4                                                                                           | 6-1971837-4<br>5-1971837-4<br>4-1971837-4<br>3-1971837-4<br>2-1971837-4<br>1-1971837-4                                                           |                                                                                                       |
| 3  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 2  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 1  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 0  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 11 | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 3P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 3                                                                                           | 1971837-3<br>9-1971837-3<br>8-1971837-3<br>7-1971837-3<br>6-1971837-3<br>5-1971837-3<br>4-1971837-3<br>3-1971837-3<br>2-1971837-3<br>1-1971837-3 |                                                                                                       |
| 10 |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 9  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 8  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |
| 7  |                                  |                                                                                            |                                                                                             |                                                                                                                                                  |                                                                                                       |

|    |                                  |                                                                                             |                                                                                             |                            |                                           |
|----|----------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| 15 | TAB CONTACT<br>w/ SILVER PLATING | I                                                                                           | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 15P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 15                         | 3-1971838-5<br>2-1971838-5<br>1-1971838-5 |
| 14 |                                  | I                                                                                           | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 14P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 14                         | 1-1971838-4                               |
| 13 |                                  |                                                                                             |                                                                                             |                            |                                           |
| 8  |                                  |                                                                                             |                                                                                             |                            |                                           |
| 12 |                                  |                                                                                             |                                                                                             |                            |                                           |
| 11 | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 12P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 12                                                                                          | 2-1971838-2<br>1-1971838-2 |                                           |
| 10 |                                  |                                                                                             |                                                                                             |                            |                                           |
| 9  |                                  |                                                                                             |                                                                                             |                            |                                           |
| 8  |                                  |                                                                                             |                                                                                             |                            |                                           |
| 7  | I                                | RAST 2.5 TAB HEADER HOUSING,<br>EXTERNAL LOCKING, 11P<br>(SEE THE DETAIL LAYOUT ON SHEET 4) | 11                                                                                          | 2-1971838-1<br>1-1971838-1 |                                           |
| 6  |                                  |                                                                                             |                                                                                             |                            |                                           |
| 5  |                                  |                                                                                             |                                                                                             |                            |                                           |
| 4  |                                  |                                                                                             |                                                                                             |                            |                                           |

|     |             |     |         |      |               |     |             |     |         |      |               |
|-----|-------------|-----|---------|------|---------------|-----|-------------|-----|---------|------|---------------|
| QTY | TAB CONTACT | QTY | HOUSING | POS. | TE PART NO. 5 | QTY | TAB CONTACT | QTY | HOUSING | POS. | TE PART NO. 5 |
|-----|-------------|-----|---------|------|---------------|-----|-------------|-----|---------|------|---------------|

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±  
1 PLC ±  
2 PLC ±0.20  
3 PLC ±  
4 PLC ±  
ANGLES ±1°  
FINISH

MATERIAL

-

DWN WINTER WANG 12NOV2012

CHK HAPYE WU 12NOV2012

APVD YUJHONG MAO 12NOV2012

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

NAME RAST 2.5 TAB HEADER ASSY  
TH, VERTICAL, EXTERNAL LOCKING

SIZE A2

CAGE CODE 00779

DRAWING NO. 1971817

RESTRICTED TO -

SCALE NTS

SHEET 2 OF 5

REV A3

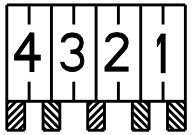
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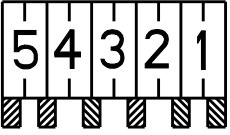
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|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -   | -    | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



1-1971817-3  
1-1971837-3



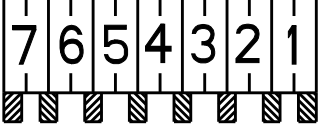
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1-1971837-4



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1-1971837-5



1-1971817-6  
1-1971837-6



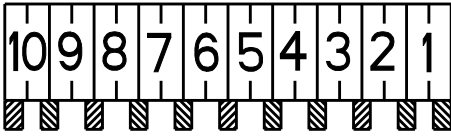
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1-1971837-7



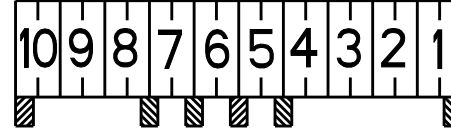
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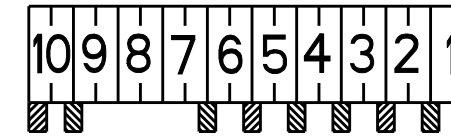
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1-1971837-9



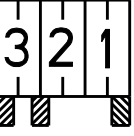
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1-1971837-0



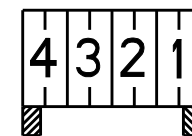
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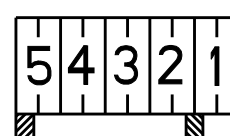
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3-1971837-0



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3-1971837-3



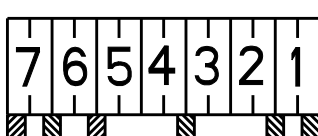
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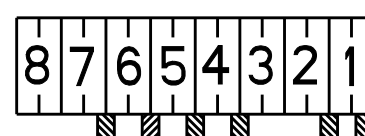
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3-1971837-5



3-1971817-6  
3-1971837-6



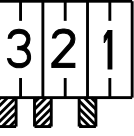
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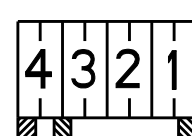
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3-1971837-8



3-1971817-9  
3-1971837-9



4-1971817-3  
4-1971837-3



4-1971817-4  
4-1971837-4



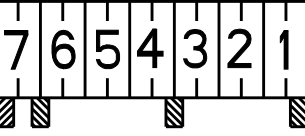
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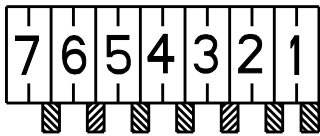
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4-1971817-7  
4-1971837-7



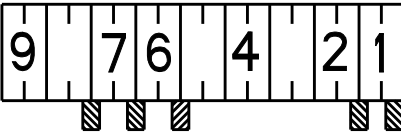
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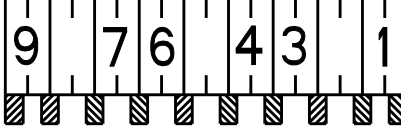
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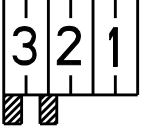
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7-1971837-7



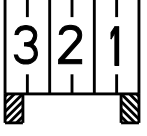
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5-1971837-9



6-1971817-9  
6-1971837-9



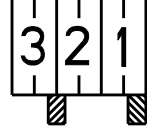
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7-1971837-3



9-1971817-3  
9-1971837-3



8-1971817-3  
8-1971837-3



1971817-3  
1971837-3

3 POS

4 POS

5 POS

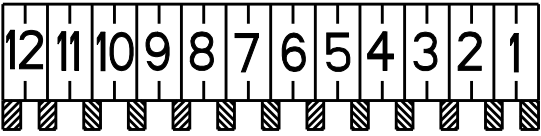
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7 POS

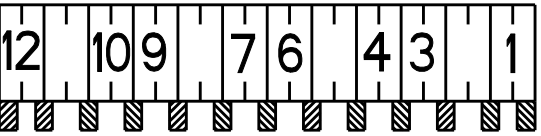
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9 POS

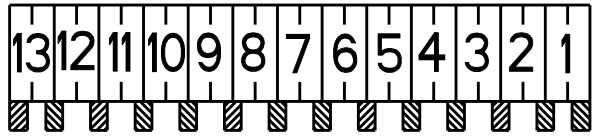
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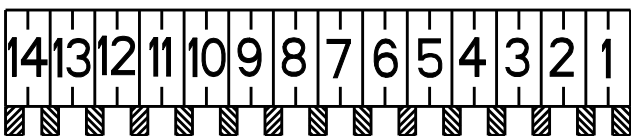
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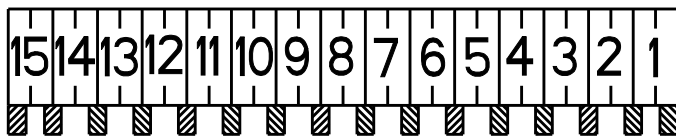
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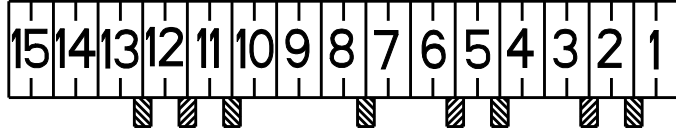
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1-1971838-3



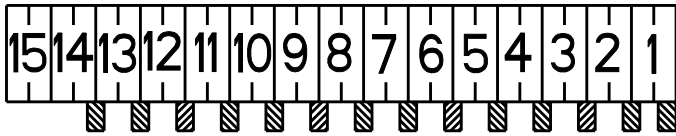
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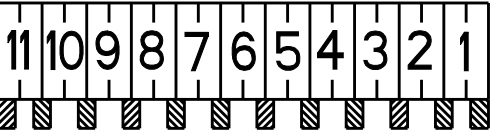
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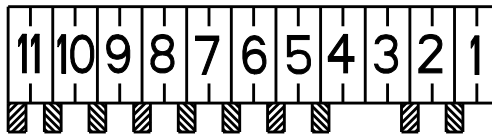
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3-1971818-5  
3-1971838-5



1-1971818-1  
1-1971838-1



2-1971818-1  
2-1971838-1

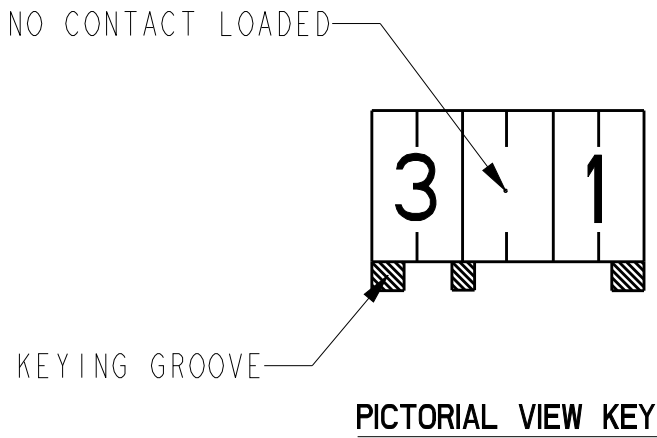
11 POS

12 POS

13 POS

14 POS

15 POS



|                                        |  |                                                                                                                           |                                     |                                                                    |               |
|----------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN: WINTER WANG<br>CHK: HAPYE WU<br>APVD: YUZHONG MAO                                                                    | 12NOV2012<br>12NOV2012<br>12NOV2012 | TE Connectivity                                                    |               |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±<br>2 PLC ±0.20<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1°<br>FINISH |                                     | NAME<br>RAST 2.5 TAB HEADER ASSY<br>TH, VERTICAL, EXTERNAL LOCKING |               |
| MATERIAL                               |  | WEIGHT                                                                                                                    |                                     | SIZE<br>A1                                                         | RESTRICTED TO |
| CUSTOMER DRAWING                       |  | SCALE<br>NTS                                                                                                              |                                     | SHEET<br>4                                                         | REV<br>A3     |

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |
|   |     |             |      |     |      |

FOR ANY KEYING CONFIGURATION, THERE ARE EIGHT COLORS AVAILABLE, BESIDES THE NATURAL COLOR, THERE ARE OTHER SEVEN COLORS, INCLUDE: YELLOW, BLUE, GREY, PURPLE, RED, GREEN, BLACK. THE WHITE VERSION IS PRELIMINARY. THE P/N OF THE COLOR CONNECTOR ARE BASED ON THE NATURAL CONNECTOR, THE PREFIX AND POSTFIX ARE THE SAME FOR THE SAME KEYING CONFIGURATION, BUT THE BASE NUMBERS ARE DIFFERENT ACCORDING TO DIFFERENT COLOR.THE FOLLOWING SHOWS WHAT’S THE P/N FOR COLOR CONNECTOR

#-1971818-#

PREFIX

BASE NUMBER

POSTFIX

| COLOR   | PART NUMBER OF THE CONNECTOR  |             |                         |             | COMMENTS                                                                                                                                                                                                    |
|---------|------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | WITH TIN PLATING CONTACT                                                                                         |             | WITH AG PLATING CONTACT |             |                                                                                                                                                                                                             |
| NATURAL | #-1971817-#                                                                                                      | #-1971818-# | #-1971837-#             | #-1971838-# | THE DETAIL P/N FOR DIFFERENT KEYING SEE SHEET 2 & 3 & 4                                                                                                                                                     |
| RED     | #-1971938-#                                                                                                      | #-1971939-# | #-2232141-#             | #-2232142-# | THE PREFIX AND POSTFIX ARE THE SAME WITH THE P/N OF THE NATURAL CONNECTOR FOR THE SAME KEYING CONFIGURATION, JUST THE BASE NUMBERS ARE DIFFERENT BASED ON DIFFERENT COLOR. # CAN BE THE NUMBER FROM 0 TO 9. |
| BLUE    | #-2232143-#                                                                                                      | #-2232144-# | #-2232145-#             | #-2232146-# |                                                                                                                                                                                                             |
| YELLOW  | #-2232147-#                                                                                                      | #-2232148-# | #-2232149-#             | #-2232150-# |                                                                                                                                                                                                             |
| BALCK   | #-1971994-#                                                                                                      | #-1971995-# | #-2232151-#             | #-2232152-# |                                                                                                                                                                                                             |
| GREY    | #-1971976-#                                                                                                      | #-1971977-# | #-2232153-#             | #-2232154-# |                                                                                                                                                                                                             |
| GREEN   | #-1971988-#                                                                                                      | #-1971989-# | #-2232155-#             | #-2232156-# |                                                                                                                                                                                                             |
| PURPLE  | #-2232157-#                                                                                                      | #-2232158-# | #-2232159-#             | #-2232160-# |                                                                                                                                                                                                             |
| WHITE   | #-2232277-#                                                                                                      | #-2232278-# | #-2232279-#             | #-2232280-# |                                                                                                                                                                                                             |

FOR EXAMPLE, IF A CONNECTOR WITH THE CONFIGURATION AS BELOW, AND WITH TIN PLATING CONTACT, IN THE SHEET 4, WE CAN FIND THE RELATED CONNECTOR P/N WITH NATURAL COLOR IS 5-1971817-4, THEN WE CAN LOOK IN THE ABOVE TABLE TO FIND THE CONNECTOR P/N WITH RED COLOR IS 5-1971938-4

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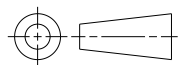
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THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±0.20

3 PLC ±

4 PLC ±

ANGLES ±1°

FINISH

MATERIAL

-

DWN 12NOV2012 WINTER WANG

CHK 12NOV2012 HAPYE WU

APVD 12NOV2012 YUJHONG MAO

PRODUCT SPEC 108-106079

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING

SIZE A2

CAGE CODE 00779

DRAWING NO C-1971817

RESTRICTED TO -

SCALE NTS

SHEET 5 OF 5

REV A3

TE Connectivity

1471-9 (3/11)

# Mouser Electronics

Authorized Distributor

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