

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	FIRST RELEASE	15FEB2012	RC	EK
	A1	ECR-12-016253	12SEP2012	W.W	YH.M
	A2	ECR-12-021134	12NOV2012	W.W	YH.M
	A3	ECR-13-001507	25JAN2013	W.W	YH.M

- NOTE**
- 1 SEE SHEET 4 FOR AVAILABLE CONFIGURATIONS
- 2 MATERIAL: HOUSING, NYLON, UL94 V0, 750°C GWT NO FLAME
EIGHT COLORS AVAILABLE, INCLUDING: NATURAL, RED, BLUE, YELLOW, BLACK, GREY, GREEN, PURPLE
WHITE VERSION IS PRELIMINARY
CONTACT, COPPER ALLOY, 0.60MM THICK
- 3 FINISH: OPTION 1: TIN PLATING OVER NICKEL UNDERPLATING
OPTION 2: AG PLATING OVER NICKEL UNDERPLATING
- 4 PCB LAYOUT AS SHOWN
- 5 THE PART NUMBERS SHOWING IN SHEET 2 & 3 & 4 ARE FOR NATURAL COLOR . THE PART NUMBER FOR OTHER COLOR 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, DETAIL PLEASE SEE SHEET 5
- 6 PACKAGING: LOOSE PIECE OR TUBE. THE PART NUMBERS IN THIS DRAWING ARE WITH LOOSE PIECE PACKAGING. PLEASE CONTACT TE SALES REPRESENTATIVES FOR TUBE PACKAGING REQUIREMENT.

D

D

C

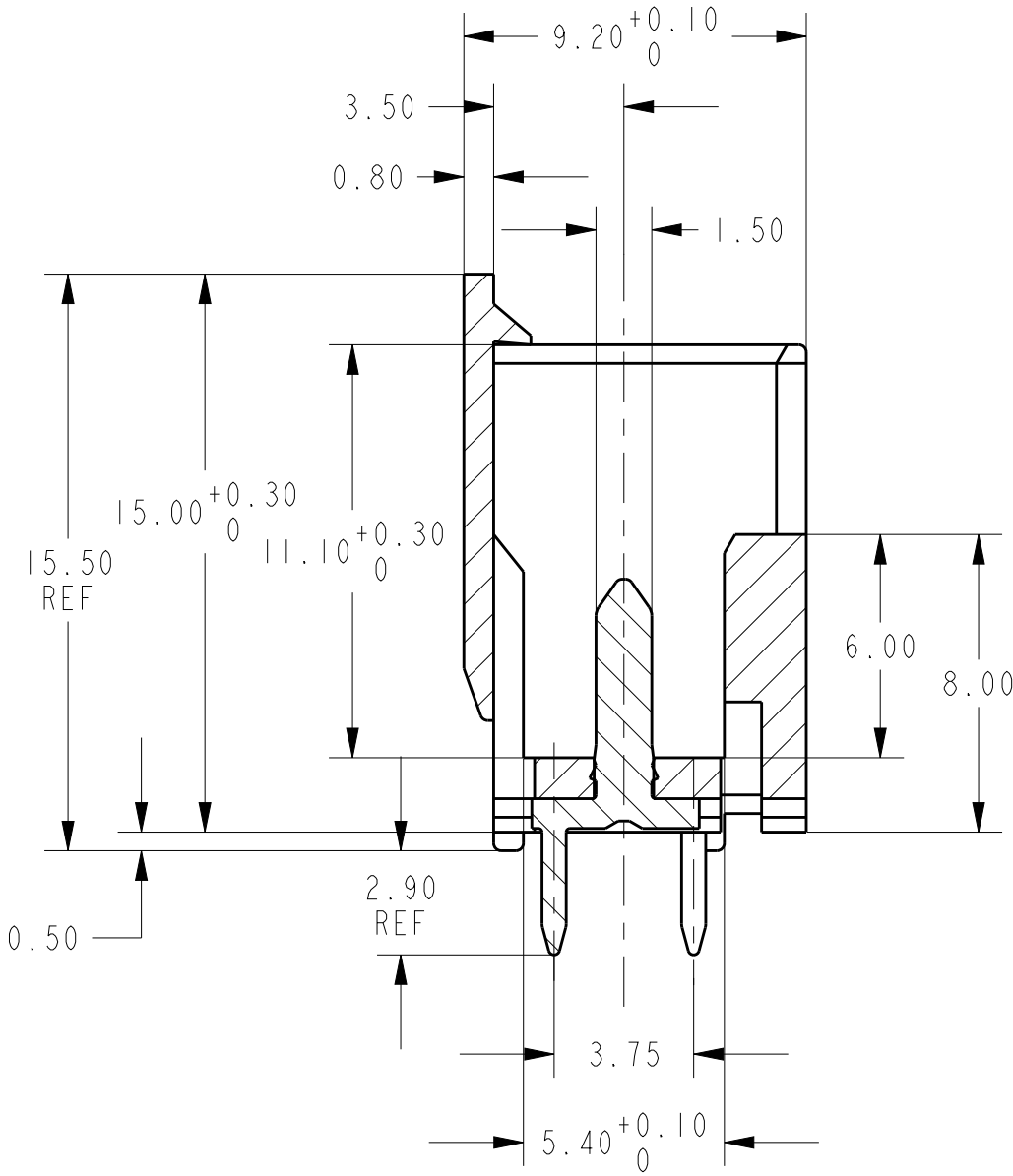
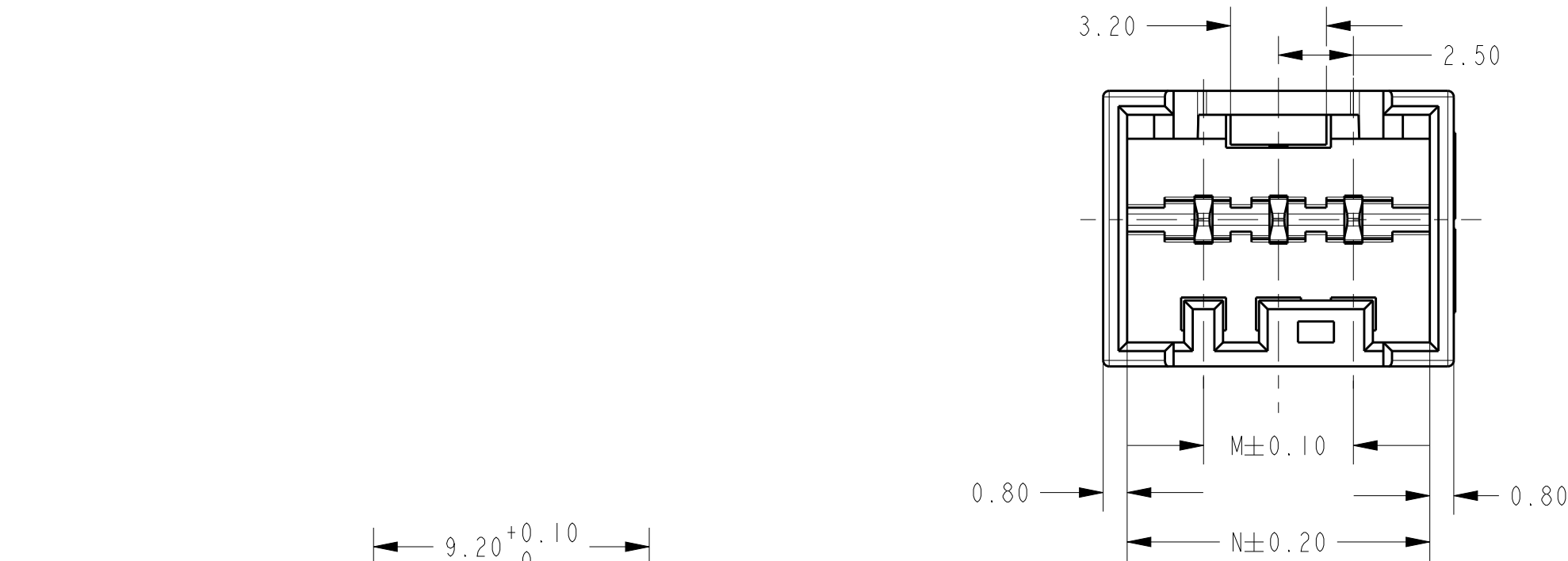
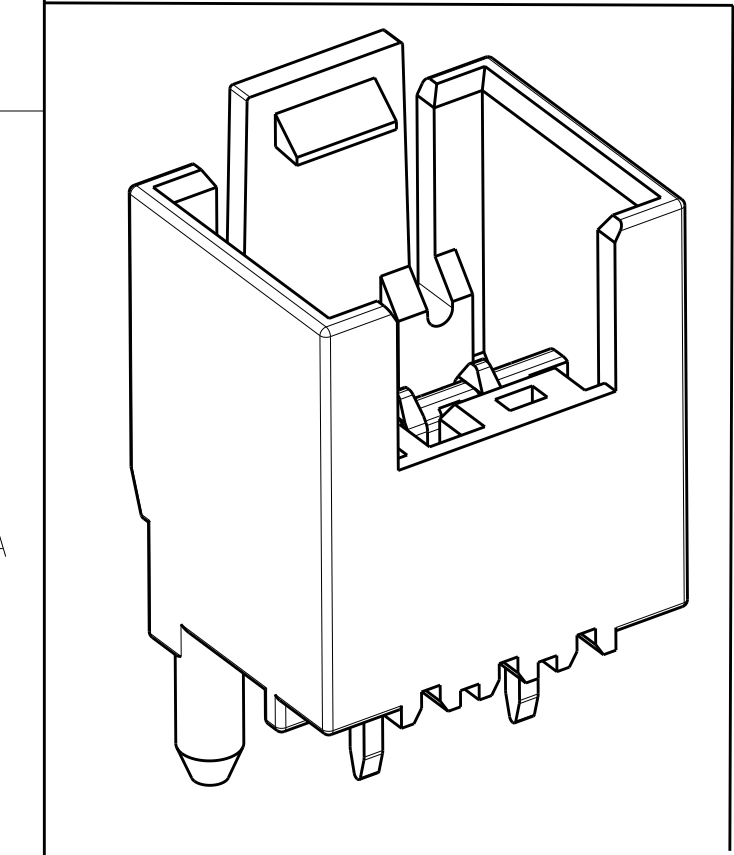
C

B

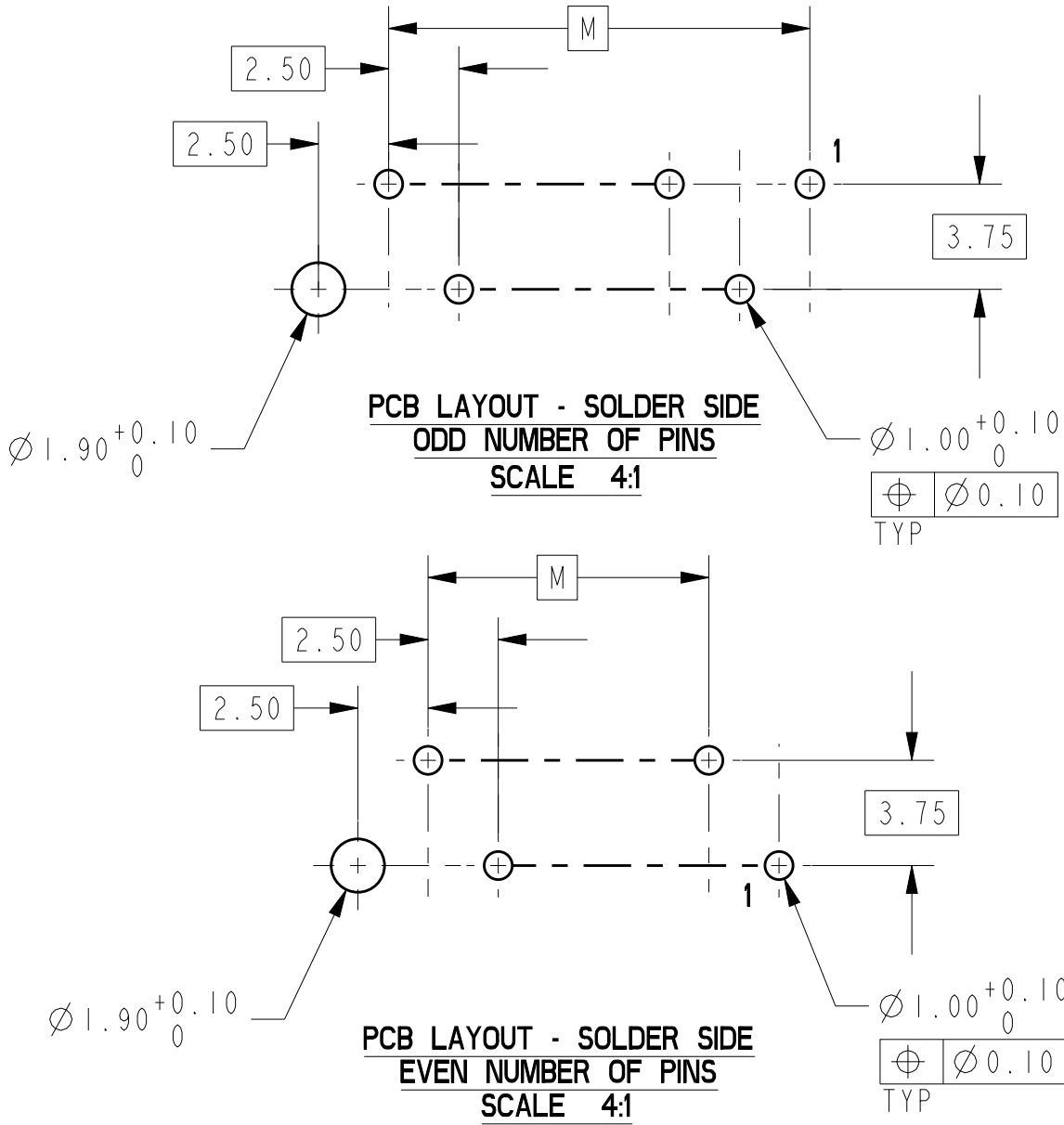
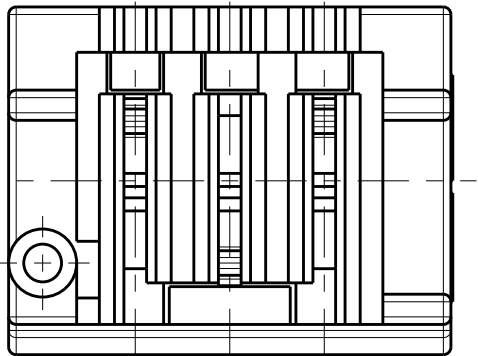
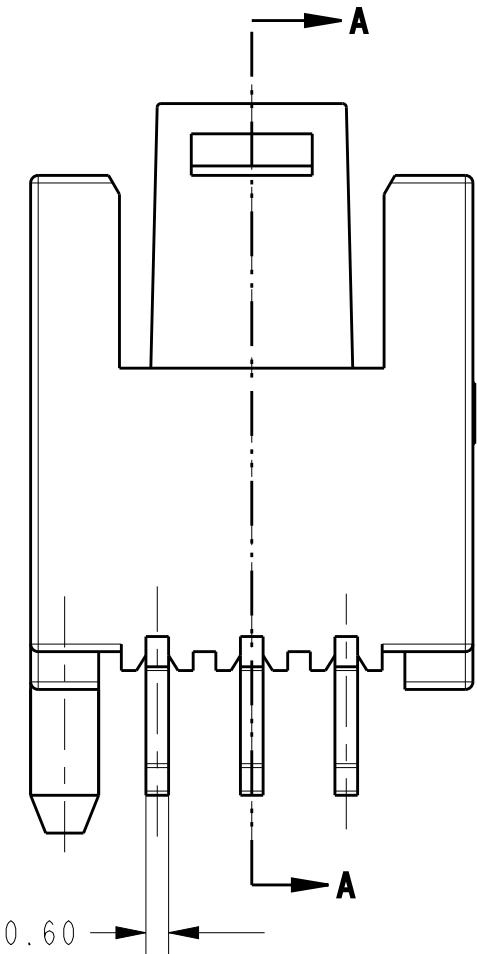
B

A

A



SECTION A-A



N	M	NO. OF POS.
40.10	35.00	15
37.60	32.50	14
35.10	30.00	13
32.60	27.50	12
30.10	25.00	11
27.60	22.50	10
25.10	20.00	9
22.60	17.50	8
20.10	15.00	7
17.60	12.50	6
15.10	10.00	5
12.60	7.50	4
10.10	5.00	3

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WINTER WANG CHK HAPYE WU APVD YUHHONG MAO	12NOV2012 12NOV2012 12NOV2012	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.20 3 PLC ± 4 PLC ± ANGLES ±1° FINISH	PRODUCT SPEC 108-106079 APPLICATION SPEC - WEIGHT -	NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING	
MATERIAL -		CUSTOMER DRAWING	SIZE A2	CAGE CODE 00779
			DRAWING NO C-1971817	RESTRICTED TO -
			SCALE NTS	SHEET 1 OF 5
			REV A3	

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

ES

00

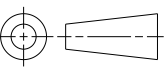
REVISIONS

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

10	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 10P (SEE THE DETAIL LAYOUT ON SHEET 4)	10	3-1971837-0 2-1971837-0 1-1971837-0							
6	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 4)	9	6-1971837-9 5-1971837-9 4-1971837-9 3-1971837-9 2-1971837-9 1-1971837-9							
9	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 4)	8	3-1971837-8 2-1971837-8 1-1971837-8							
8	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 4)	7	7-1971837-7 6-1971837-7 5-1971837-7 4-1971837-7 3-1971837-7 2-1971837-7 1-1971837-7							
6	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 6P (SEE THE DETAIL LAYOUT ON SHEET 4)	6	4-1971837-6 3-1971837-6 2-1971837-6 1-1971837-6							
7	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 4)	5	4-1971837-5 3-1971837-5 2-1971837-5 1-1971837-5							
6	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 4P (SEE THE DETAIL LAYOUT ON SHEET 4)	4	6-1971837-4 5-1971837-4 4-1971837-4 3-1971837-4 2-1971837-4 1-1971837-4							
5	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 4)	3	1971837-3 9-1971837-3 8-1971837-3 7-1971837-3 6-1971837-3 5-1971837-3 4-1971837-3 3-1971837-3 2-1971837-3 1-1971837-3							
4	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 4)	15	2-1971838-5 1-1971838-5							
14	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 14P (SEE THE DETAIL LAYOUT ON SHEET 4)	14	1-1971838-4							
13	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 4)	13	1-1971838-3							
8	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 4)	12	2-1971838-2 1-1971838-2							
12	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 4)	11	2-1971838-1 1-1971838-1							
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
CHK
HAPYE WU
APVD
YUJHONG MAO

12NOV2012
12NOV2012
12NOV2012

PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

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
2

OF
5

REV
A3

1471-9 (3/11)

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

ES

00

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

10	TAB CONTACT w/ TIN PLATING	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 10P (SEE THE DETAIL LAYOUT ON SHEET 4)	10	3-1971817-0 2-1971817-0 1-1971817-0
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 4)	9	6-1971817-9 5-1971817-9 4-1971817-9 3-1971817-9 2-1971817-9 1-1971817-9
9					
8					
6					
7					
8		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 4)	8	3-1971817-8 2-1971817-8 1-1971817-8
6					
7					
7		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 4)	7	7-1971817-7 6-1971817-7 5-1971817-7 4-1971817-7 3-1971817-7 2-1971817-7 1-1971817-7
6					
5					
4					
5					
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 6P (SEE THE DETAIL LAYOUT ON SHEET 4)	6	4-1971817-6 3-1971817-6 2-1971817-6 1-1971817-6
5					
4					
5	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 4)	5	4-1971817-5 3-1971817-5 2-1971817-5 1-1971817-5	
4					
3					
4	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 4P (SEE THE DETAIL LAYOUT ON SHEET 4)	4	6-1971817-4 5-1971817-4 4-1971817-4 3-1971817-4 2-1971817-4 1-1971817-4	
3					
2					
1					
1					
3	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 4)	3	1971817-3 9-1971817-3 8-1971817-3 7-1971817-3 6-1971817-3 5-1971817-3 4-1971817-3 3-1971817-3 2-1971817-3 1-1971817-3	
2					
1					
1					
1					
QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO. 5

15

14

13

8

12

11

QTY

TAB CONTACT
w/ TIN PLATING

I

I

I

I

I

I

QTY

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 15P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 14P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 13P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 12P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 11P
(SEE THE DETAIL LAYOUT ON SHEET 4)

HOUSING

15

14

13

12

11

POS.

3-1971818-5
2-1971818-5
1-1971818-5

1-1971818-4

1-1971818-3

2-1971818-2
1-1971818-2

2-1971818-1
1-1971818-1

TE PART NO. 5

10

6

9

8

6

7

6

5

4

3

QTY

TAB CONTACT
w/ TIN PLATING

I

I

I

I

I

I

I

I

I

I

QTY

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 10P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 9P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 8P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 7P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 6P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 5P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 4P
(SEE THE DETAIL LAYOUT ON SHEET 4)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 3P
(SEE THE DETAIL LAYOUT ON SHEET 4)

HOUSING

10

9

8

7

6

5

4

3

2

1

POS.

3-1971817-0
2-1971817-0
1-1971817-0

6-1971817-9
5-1971817-9
4-1971817-9
3-1971817-9
2-1971817-9
1-1971817-9

3-1971817-8
2-1971817-8
1-1971817-8

7-1971817-7
6-1971817-7
5-1971817-7
4-1971817-7
3-1971817-7
2-1971817-7
1-1971817-7

4-1971817-6
3-1971817-6
2-1971817-6
1-1971817-6

4-1971817-5
3-1971817-5
2-1971817-5
1-1971817-5

6-1971817-4
5-1971817-4
4-1971817-4
3-1971817-4
2-1971817-4
1-1971817-4

1971817-3
9-1971817-3
8-1971817-3
7-1971817-3
6-1971817-3
5-1971817-3
4-1971817-3
3-1971817-3
2-1971817-3
1-1971817-3

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 12NOV2012
CHK 12NOV2012
HAPYE WU
APVD 12NOV2012
YUJHONG MAO

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

TE Connectivity

NAME

RAST 2.5 TAB HEADER ASSY
TH, VERTICAL, EXTERNAL LOCKING

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

1971817

-

SCALE

NTS

SHEET

3

OF

5

REV

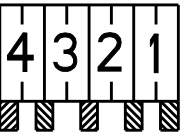
A3

1471-9 (3/11)

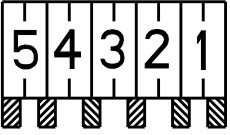
LOC	DIST	REVISIONS				
		P	LYR	DESCRIPTION	DATE	DWN
-	-	-	-	SEE SHEET 1	-	-



1-1971817-3
1-1971837-3



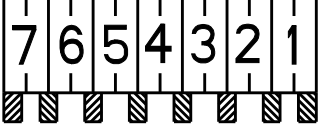
1-1971817-4
1-1971837-4



1-1971817-5
1-1971837-5



1-1971817-6
1-1971837-6



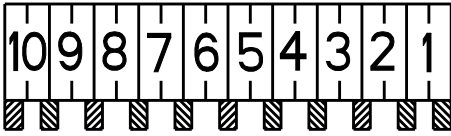
1-1971817-7
1-1971837-7



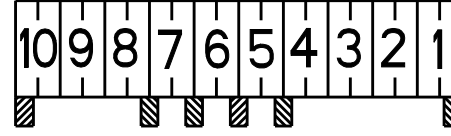
1-1971817-8
1-1971837-8



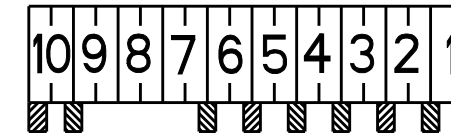
1-1971817-9
1-1971837-9



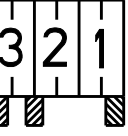
1-1971817-0
1-1971837-0



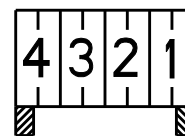
2-1971817-0
2-1971837-0



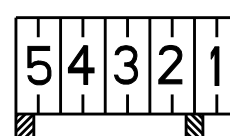
3-1971817-0
3-1971837-0



3-1971817-3
3-1971837-3



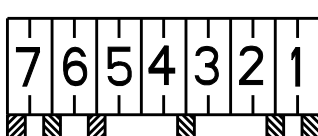
3-1971817-4
3-1971837-4



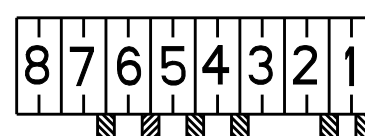
3-1971817-5
3-1971837-5



3-1971817-6
3-1971837-6



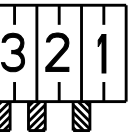
3-1971817-7
3-1971837-7



3-1971817-8
3-1971837-8



3-1971817-9
3-1971837-9



4-1971817-3
4-1971837-3



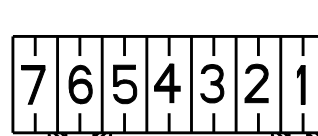
4-1971817-4
4-1971837-4



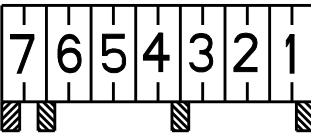
4-1971817-5
4-1971837-5



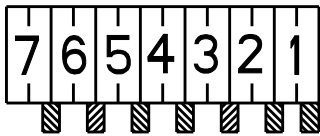
4-1971817-6
4-1971837-6



4-1971817-7
4-1971837-7



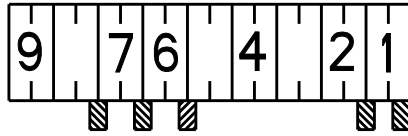
5-1971817-7
5-1971837-7



6-1971817-7
6-1971837-7



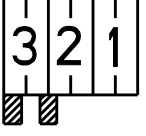
7-1971817-7
7-1971837-7



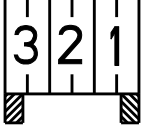
5-1971817-9
5-1971837-9



6-1971817-9
6-1971837-9



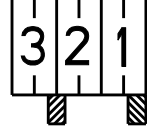
7-1971817-3
7-1971837-3



9-1971817-3
9-1971837-3



8-1971817-3
8-1971837-3



1971817-3
1971837-3

3 POS

4 POS

5 POS

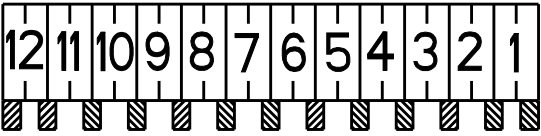
6 POS

7 POS

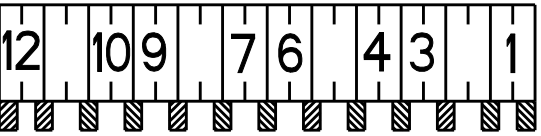
8 POS

9 POS

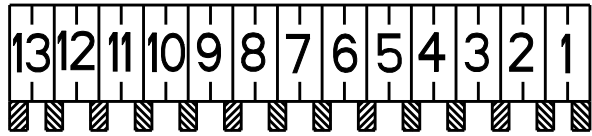
10 POS



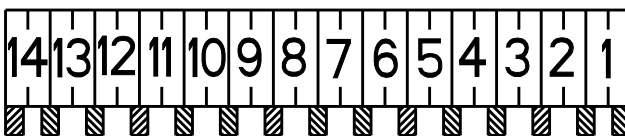
1-1971818-2
1-1971838-2



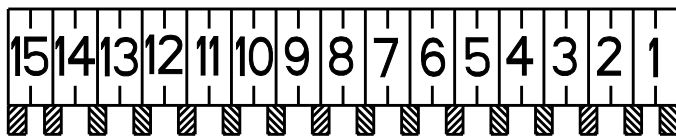
2-1971818-2
2-1971838-2



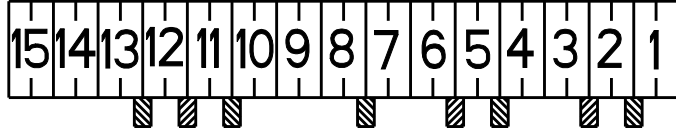
1-1971818-3
1-1971838-3



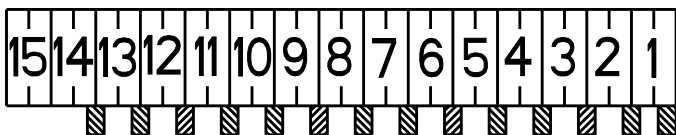
1-1971818-4
1-1971838-4



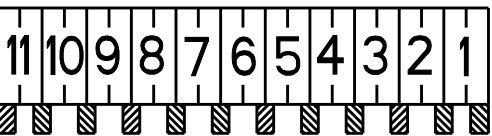
1-1971818-5
1-1971838-5



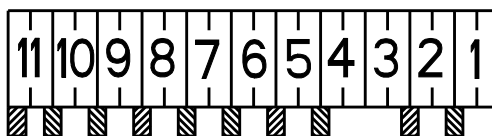
2-1971818-5
2-1971838-5



3-1971818-5
3-1971838-5



1-1971818-1
1-1971838-1



2-1971818-1
2-1971838-1

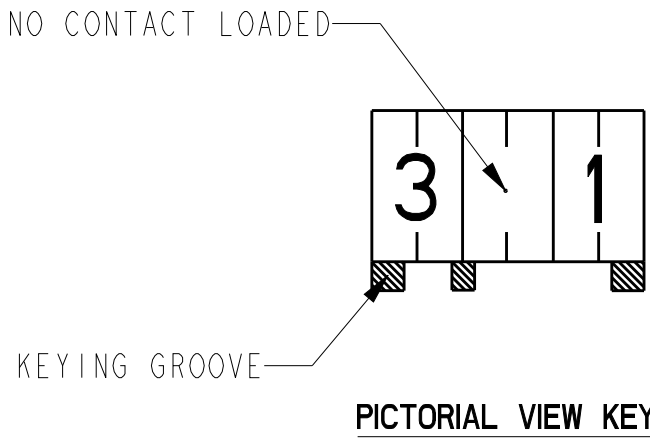
11 POS

12 POS

13 POS

14 POS

15 POS



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: WINTER WANG CHK: HAPYE WU APVD: YUZHONG MAO	12NOV2012 12NOV2012 12NOV2012	TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.20 3 PLC ± 4 PLC ± ANGLES ±1° FINISH	PRODUCT SPEC APPLICATION SPEC WEIGHT	NAME	SIZE: A1	RESTRICTED TO
MATERIAL: -	-	CUSTOMER DRAWING	SCALE: NTS	SHEET: 4 OF 5	REV: A3

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

ES

00

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

4

3

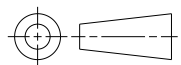
2

1

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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-1971837-0](#) [1-1971837-9](#) [1-1971837-8](#) [1-1971837-7](#) [1-1971837-6](#) [1-1971837-5](#) [1-1971837-4](#) [1-1971837-3](#)