

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		A4	ECR-13-009628	14JUN2013	M.T	YH.M
			A5	ECR-13-017549	11NOV2013	GRZ	TD
			A6	ECR-14-007944	30MAY2014	WW	RR
			A7	ECR-15-010757	20Jul2015	SL	RR

NOTE

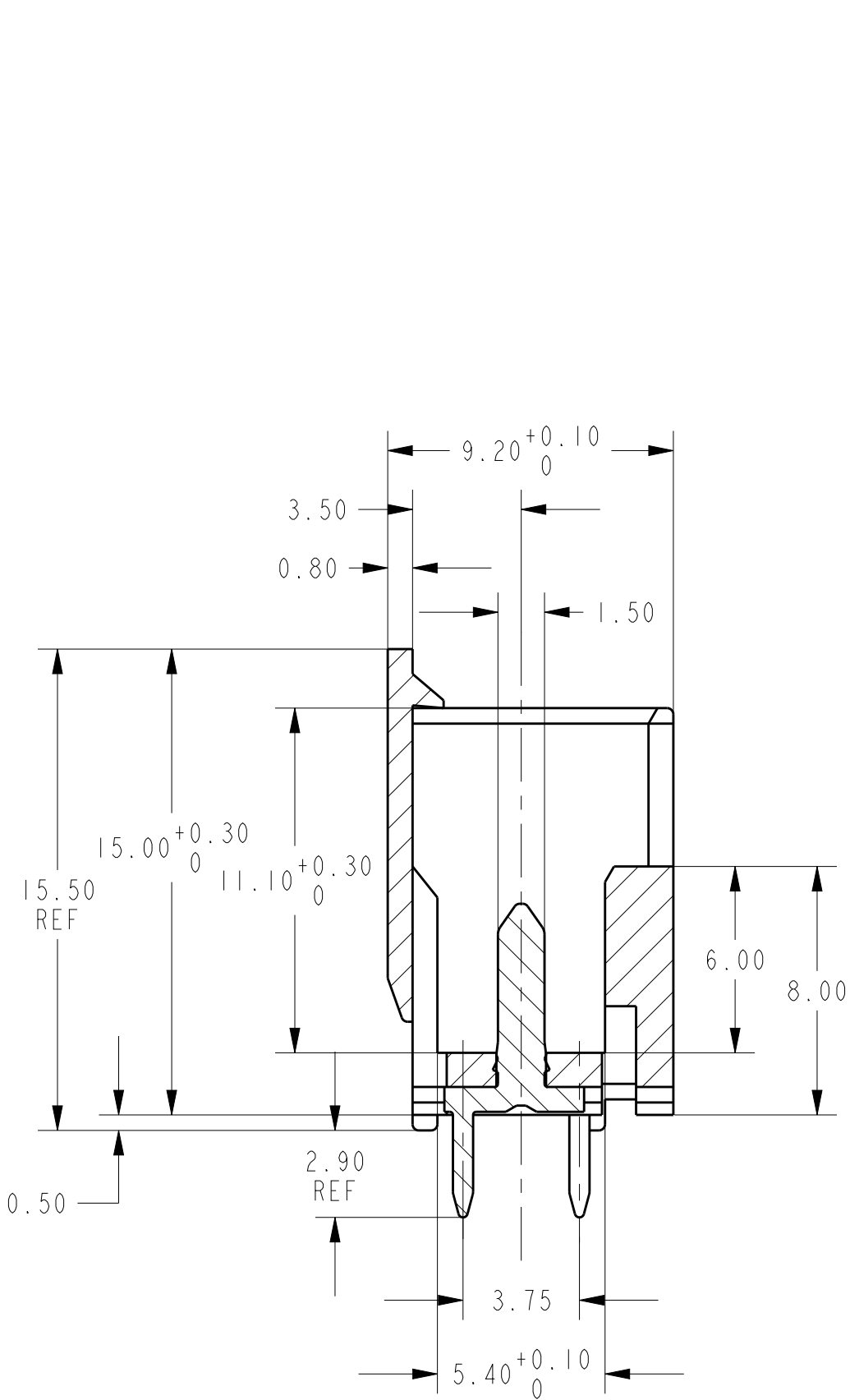
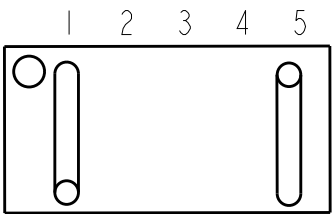
- 1 SEE SHEET 4 FOR AVAILABLE CONFIGURATIONS
- 2 MATERIAL: HOUSING, NYLON, UL94 V0, 750°C GWT NO FLAME
EIGHT COLORS AVAILABLE, INCLUDING: NATURAL,
RED, BLUE, YELLOW, BLACK, GREY, GREEN, PURPLE
WHITE VERSION IS PRELIMINARY
CONTACT, COPPER ALLOY, 0.60MM THICK
- 3 FINISH: OPTION 1: TIN PLATING OVER NICKEL 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

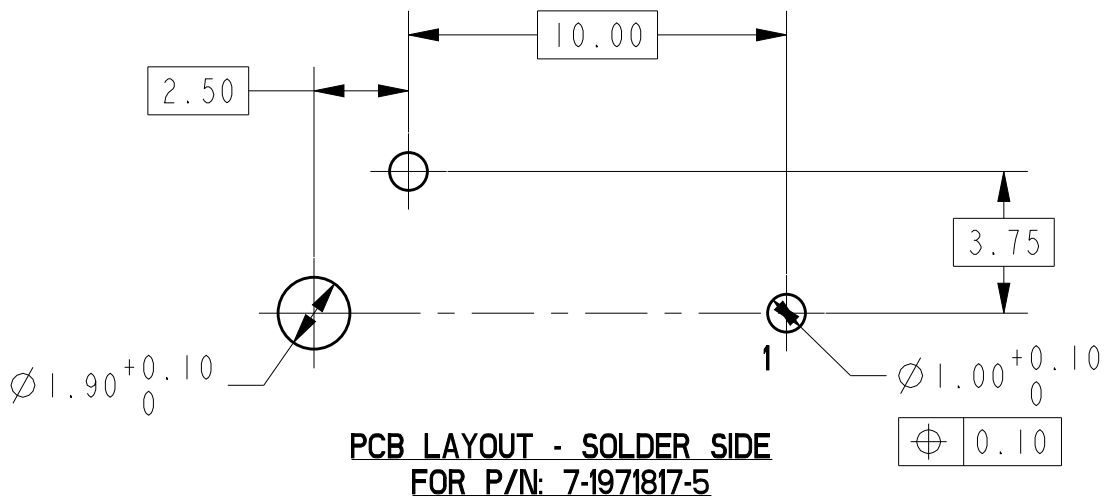
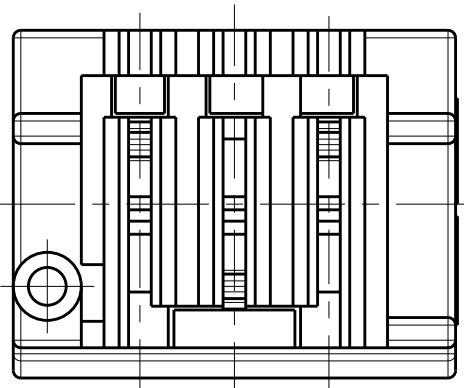
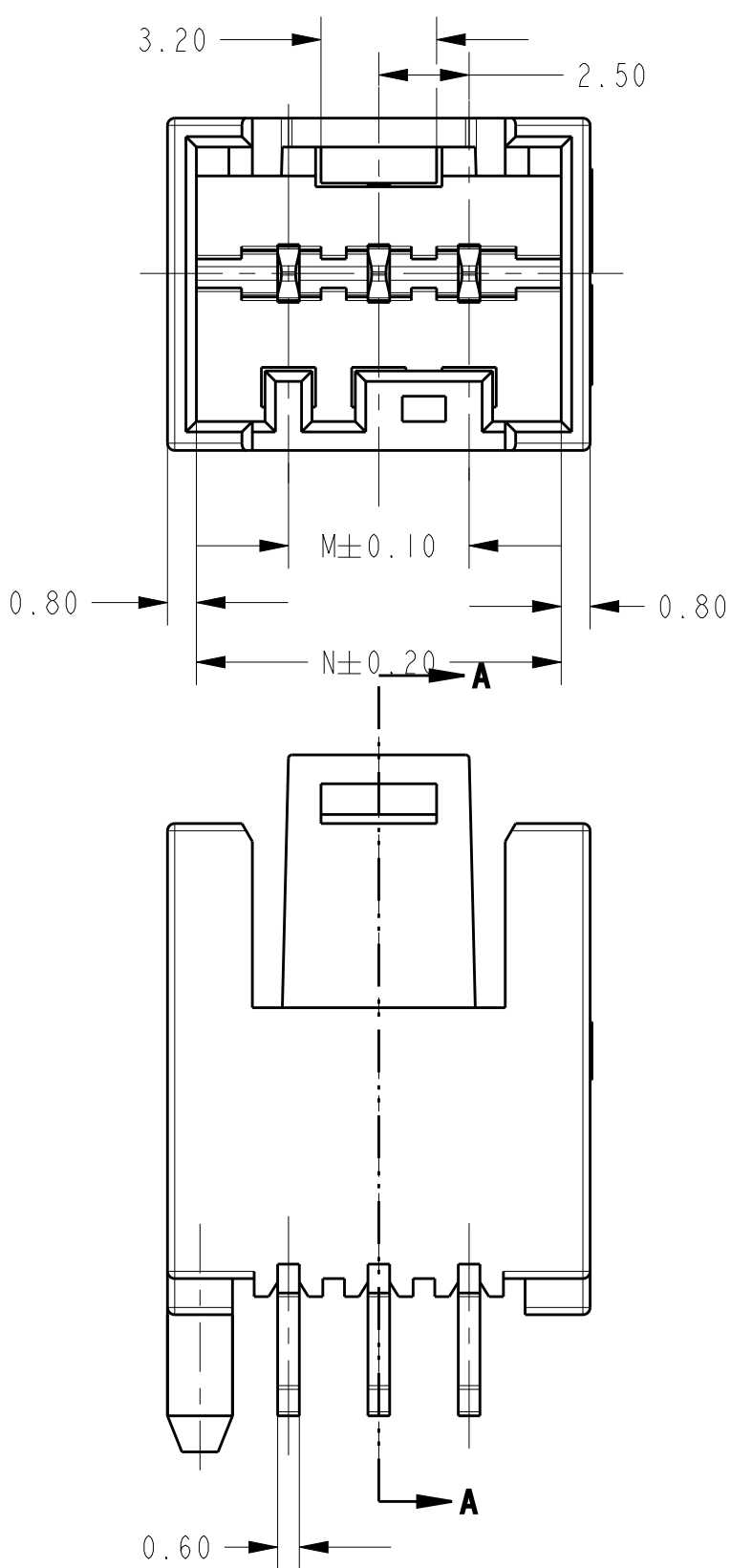
6 PACKAGING: LOOSE PIECE OR TUBE. THE PART NUMBERS IN THIS
DRAWING ARE WITH LOOSE PIECE PACKAGING. PLEASE CONTACT TE
SALES REPRESENTATIVES FOR TUBE PACKAGING REQUIREMENT.

7 FOR PN 7-1971817-5 PIN LAYOUT AS FOLLOW

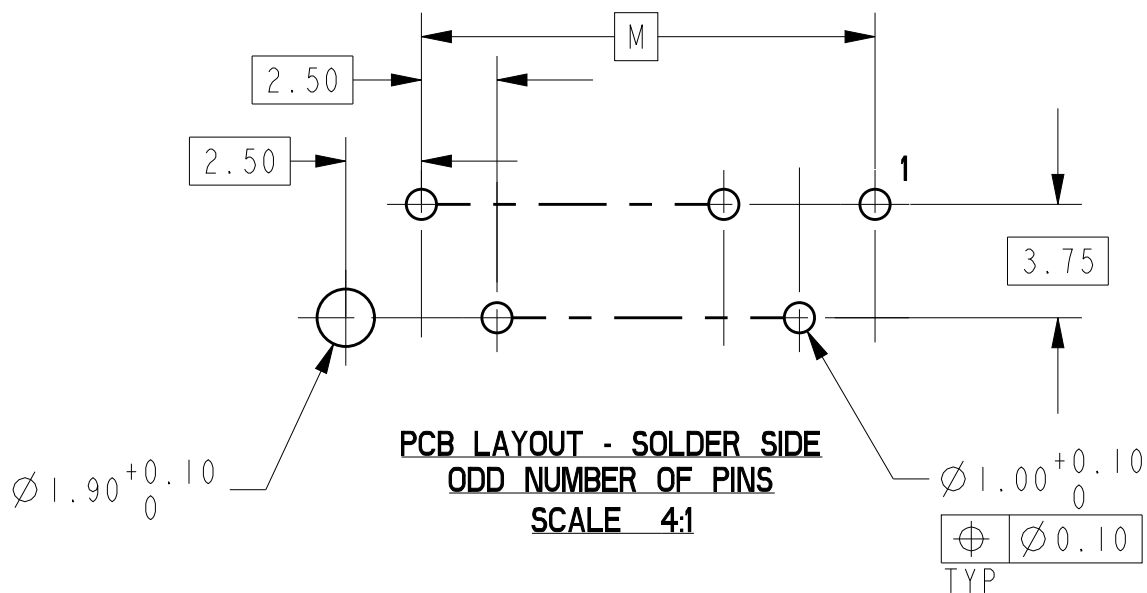
8 PRELIMINARY PART NOT RELEASED FOR PRODUCTION



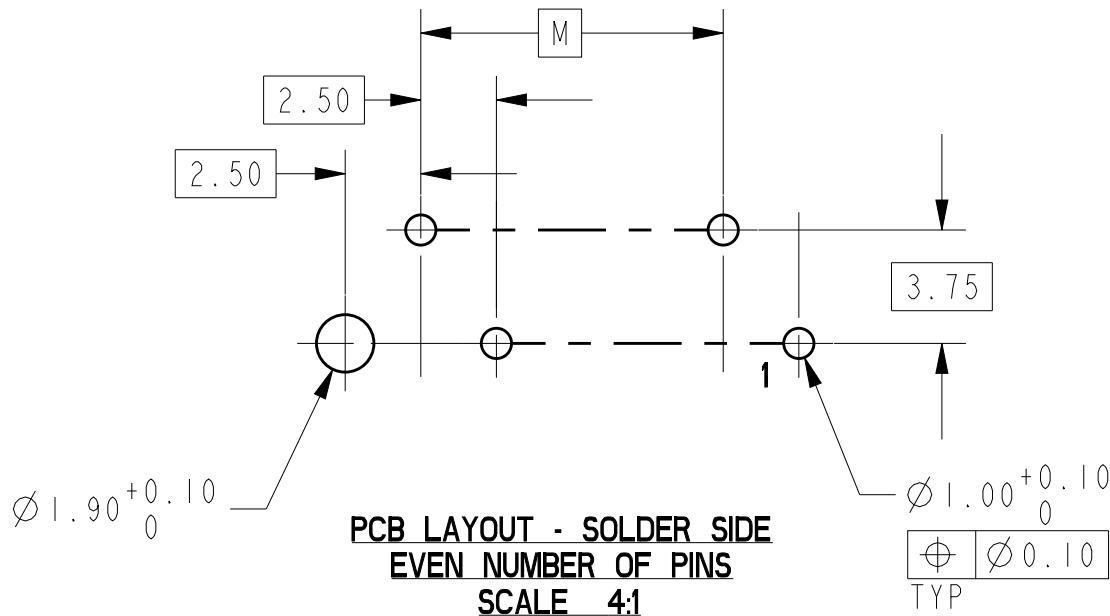
SECTION A-A



PCB LAYOUT - SOLDER SIDE
FOR P/N: 7-1971817-5



PCB LAYOUT - SOLDER SIDE
ODD NUMBER OF PINS
SCALE 4:1



PCB LAYOUT - SOLDER SIDE
EVEN NUMBER OF PINS
SCALE 4:1

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 12NOV2012 WINTER WANG	TE Connectivity			
DIMENSIONS: mm		CHK 12NOV2012 HAPYE WU				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 12NOV2012 YUJHONG MAO	NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING			
0 PLC ± 1 PLC ± 2 PLC ±0.20 3 PLC ± 4 PLC ± ANGLES ±1° FINISH		PRODUCT SPEC 108-106079 APPLICATION SPEC - WEIGHT - CUSTOMER DRAWING	SIZE A2			
			CAGE CODE 00779			
			DRAWING NO C-1971817			
			RESTRICTED TO -			
			SCALE NTS			
			SHEET 1			
			OF 5			
			REV A7			

LOC		DIST		REVISIONS					
ES	00	P	LTR	DESCRIPTION			DATE	DWN	APVD

10	TAB CONTACT w/ SILVER PLATING	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	4-1971837-8 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)
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 4P (SEE THE DETAIL LAYOUT ON SHEET 4)	4	7-1971837-4 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								
4								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				
3											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	
QTY														TAB CONTACT	QTY

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12NOV2012 CHK WINTER WANG HAPYE WU 12NOV2012 APVD YUHHONG MAO 12NOV2012		 TE Connectivity			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING			
		0 PLC ±. 1 PLC ±. 2 PLC ±0.20 3 PLC ±. 4 PLC ±. ANGLES ±°		PRODUCT SPEC -		SIZE A2	
MATERIAL -		FINISH -		APPLICATION SPEC -		CAGE CODE 00779	
				WEIGHT -		DRAWING NO C-1971817	
CUSTOMER DRAWING						SCALE NTS	
						SHEET 2 OF 5	
						REV A7	

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15	TAB CONTACT w/ TIN PLATING	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 4)	15	3-1971818-5 2-1971818-5 1-1971818-5
9		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 14P (SEE THE DETAIL LAYOUT ON SHEET 4)	14	2-1971818-4 1-1971818-4
14		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 4)	13	1-1971818-3
13		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 4)	12	2-1971818-2 1-1971818-2
8		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 4)	11	2-1971818-1 1-1971818-1
12		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 4)	11	2-1971818-1 1-1971818-1
QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.5

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

D

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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
CHK WINTER WANG
HAPYE WU
APVD YUHHONG MAO

PRODUCT SPEC
APPLICATION SPEC
WEIGHT

CUSTOMER DRAWING

TE Connectivity

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

SIZE A2CAGE CODE 00779DRAWING NO. 1971817RESTRICTED TO

SCALE NTS SHEET 3 OF 5 REV A7

LOC		DIST		REVISIONS				
-	-	P	LTR	DESCRIPTION	DATE	DWN	APVD	

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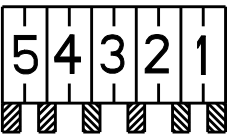
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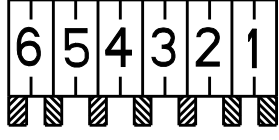
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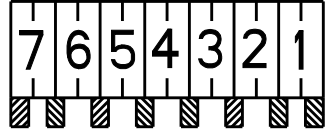
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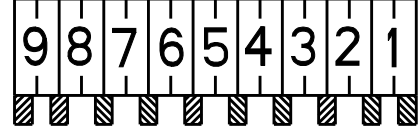
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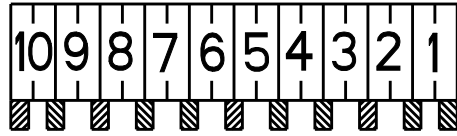
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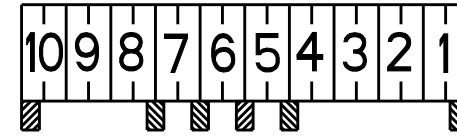
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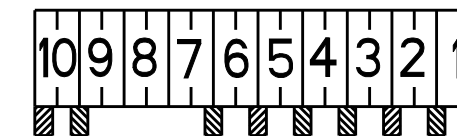
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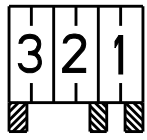
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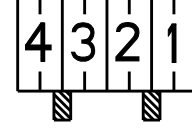
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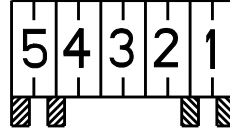
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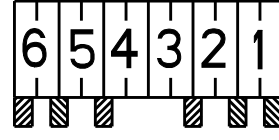
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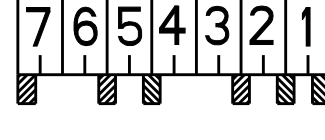
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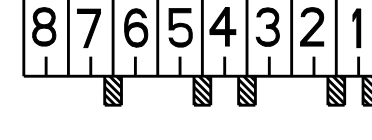
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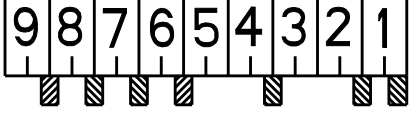
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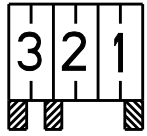
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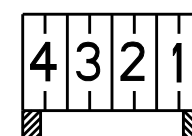
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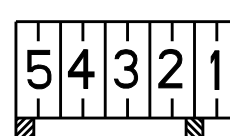
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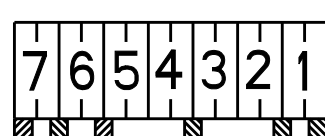
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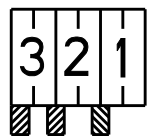
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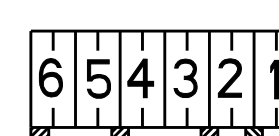
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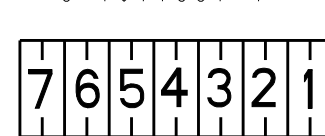
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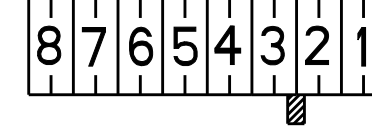
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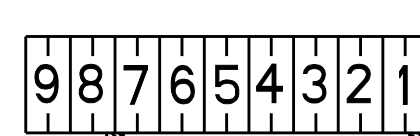
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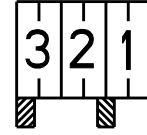
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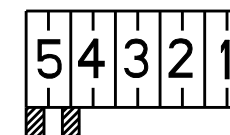
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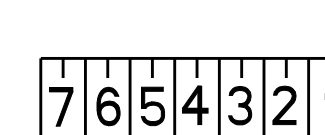
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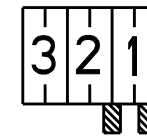
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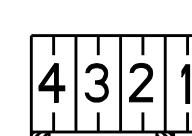
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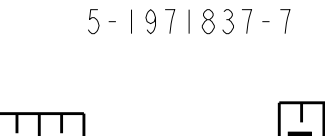
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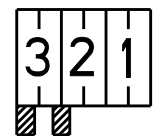
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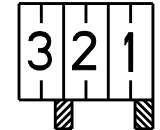
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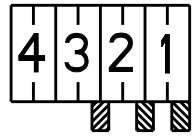
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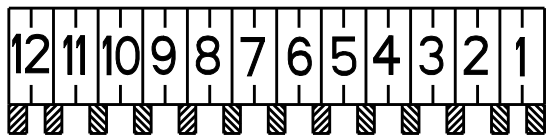
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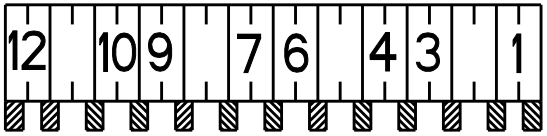
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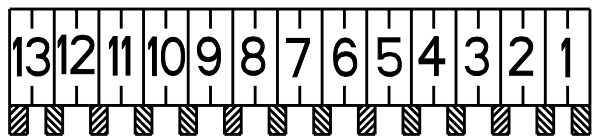
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7-1971837-4



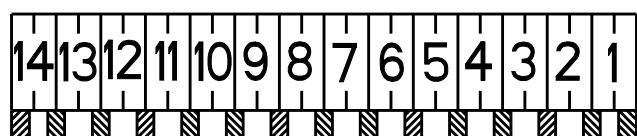
1-1971818-2
1-1971838-2



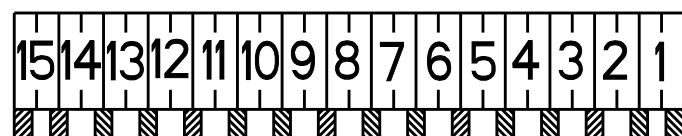
2-1971818-2
2-1971838-2



1-1971818-3
1-1971838-3



1-1971818-4
1-1971838-4



1-1971818-5
1-1971838-5

3 POS

4 POS

5 POS

6 POS

7 POS

8 POS

9 POS

10 POS

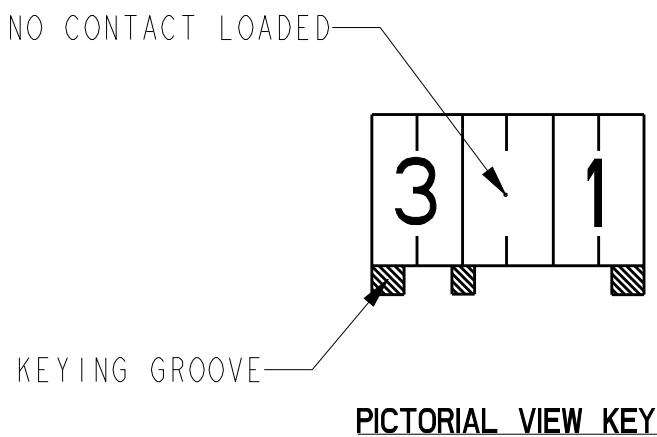
11 POS

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		NAME -	
MATERIAL		WEIGHT		RESTRICTED TO	
-		-		-	
CUSTOMER DRAWING		SCALE NTS		SHEET 4 OF 5	
				REV A7	

4

3

2

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RELEASED FOR PUBLICATION

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LOC

DIST

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD

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-#	

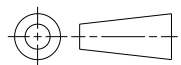
FOR EXAMPLE, IF A CONNECTOR WITH THE CONFIGURATION AS BELOW, AND WITH TIN PLATING CONTACT, IN THE SHEET 4, WE CAN FIND THE RELATED CONNECTOR P/N WITH NATURAL COLOR IS 5-1971817-4, THEN WE CAN LOOK IN THE ABOVE TABLE TO FIND THE CONNECTOR P/N WITH RED COLOR IS 5-1971938-4

4321

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

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 5 OF 5

REV A7

1471-9 (3/11)