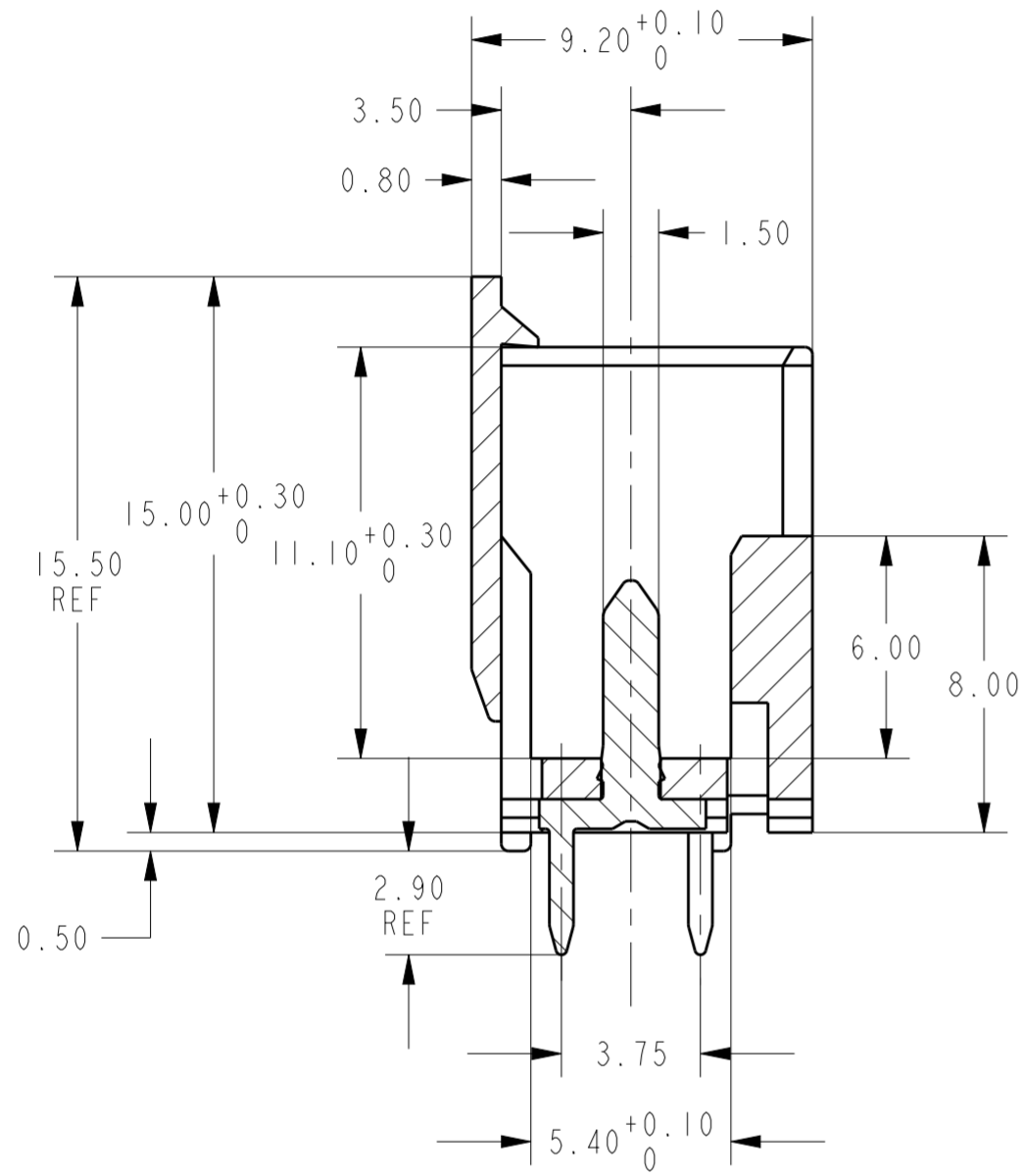
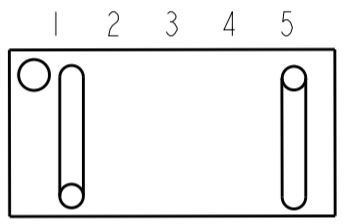


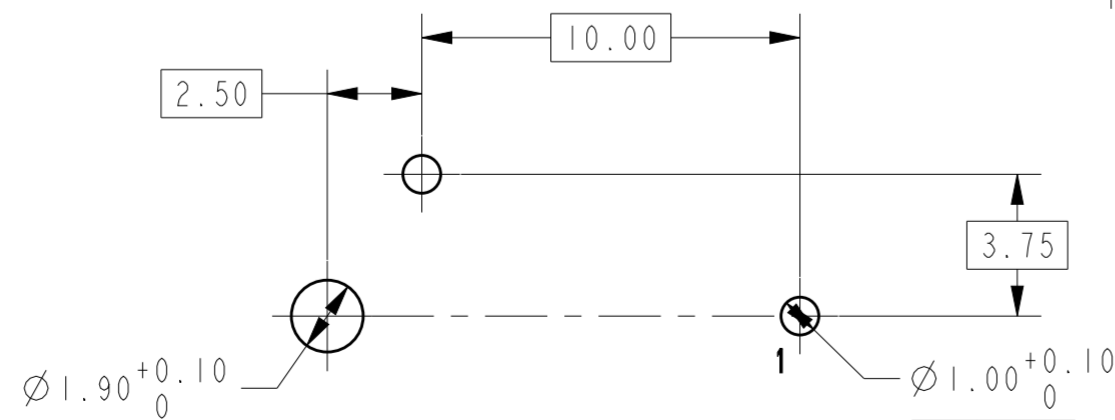
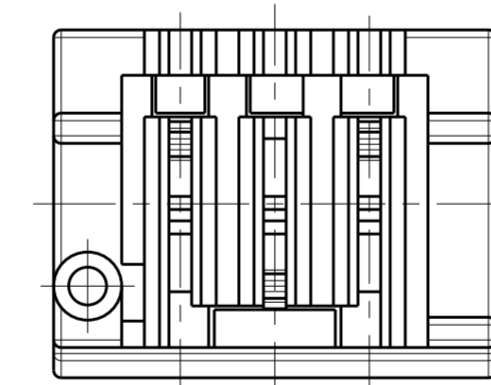
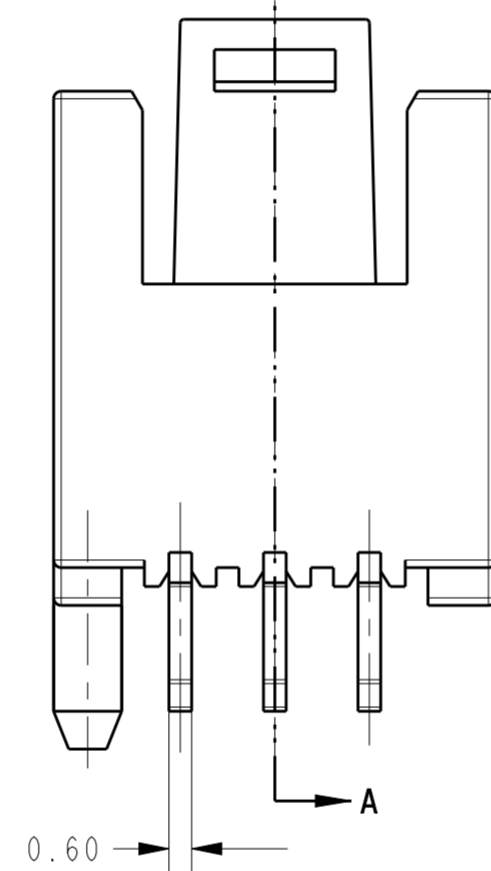
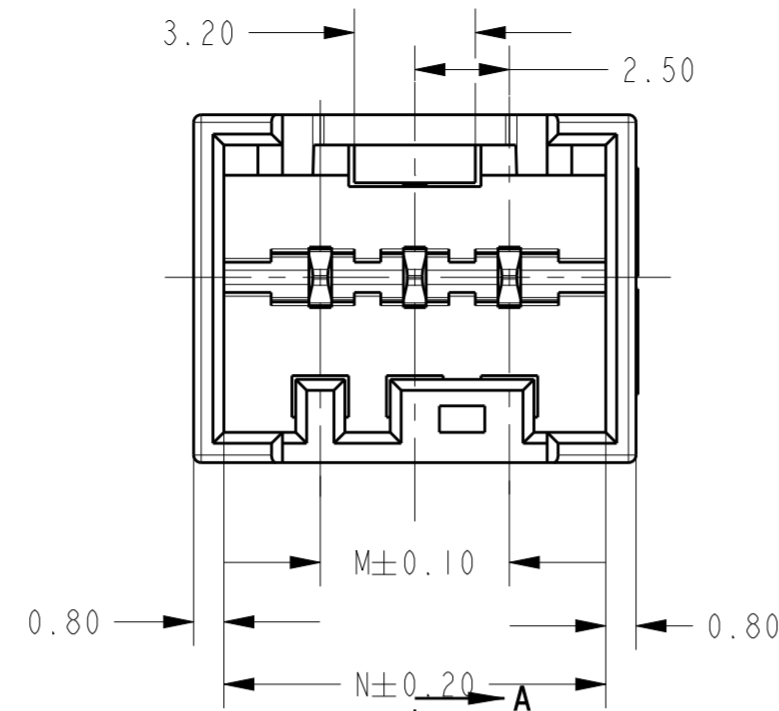
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P	LTR	DESCRIPTION		DATE	DWN	APVD	
ES	00	A14	ECR-19-019939	24DEC2019	WW	FL	

NOTE

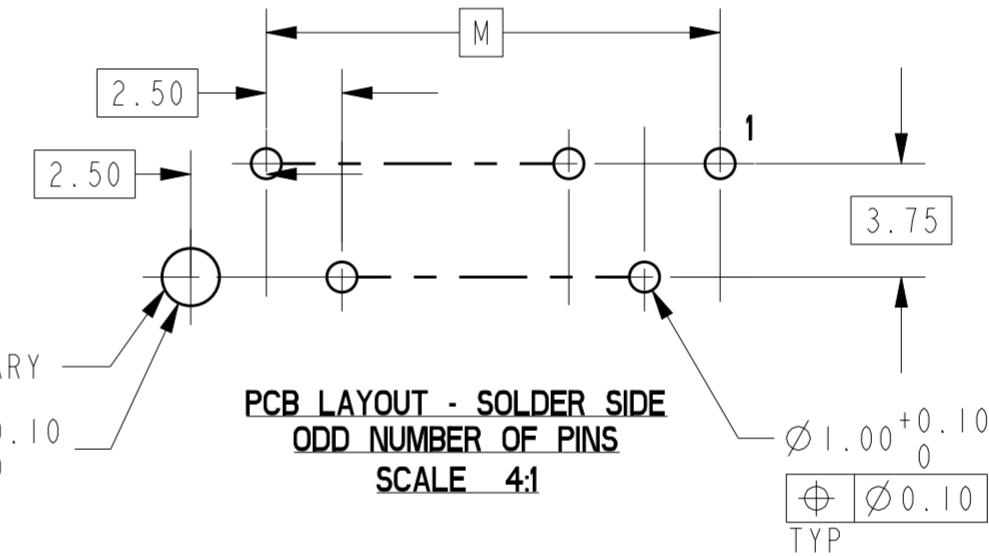
- SEE SHEET 4 FOR AVAILABLE CONFIGURATIONS
- MATERIAL: HOUSING, NYLON, UL94 V0, 750°C GWT NO FLAME
EIGHT COLORS AVAILABLE, INCLUDING: NATURAL, RED, BLUE, YELLOW, BLACK, GREY, GREEN, PURPLE
WHITE VERSION IS PRELIMINARY
FOR 1-2367449-1, THE HOUSING IS PA66 WITH HIGHER THERMAL RESISTANCE
CONTACT, COPPER ALLOY, 0.60MM THICK
- FINISH: OPTION 1: TIN PLATING OVER NICKEL UNDERPLATING
OPTION 2: AG PLATING OVER NICKEL UNDERPLATING
- PCB LAYOUT AS SHOWN
- △ 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 6
- △ PACKAGING: LOOSE PIECE OR TUBE. THE PART NUMBERS IN THIS DRAWING ARE WITH LOOSE PIECE PACKAGING EXCEPT THE PN 1-2322471-3. PLEASE CONTACT TE SALES REPRESENTATIVES FOR TUBE PACKAGING REQUIREMENT.
- △ FOR PN 7-1971817-5 PIN LAYOUT AS FOLLOW
- △ PRELIMINARY PART NOT RELEASED FOR PRODUCTION
- △ SPECIAL VERSION WITHOUT PEG FEATURE.



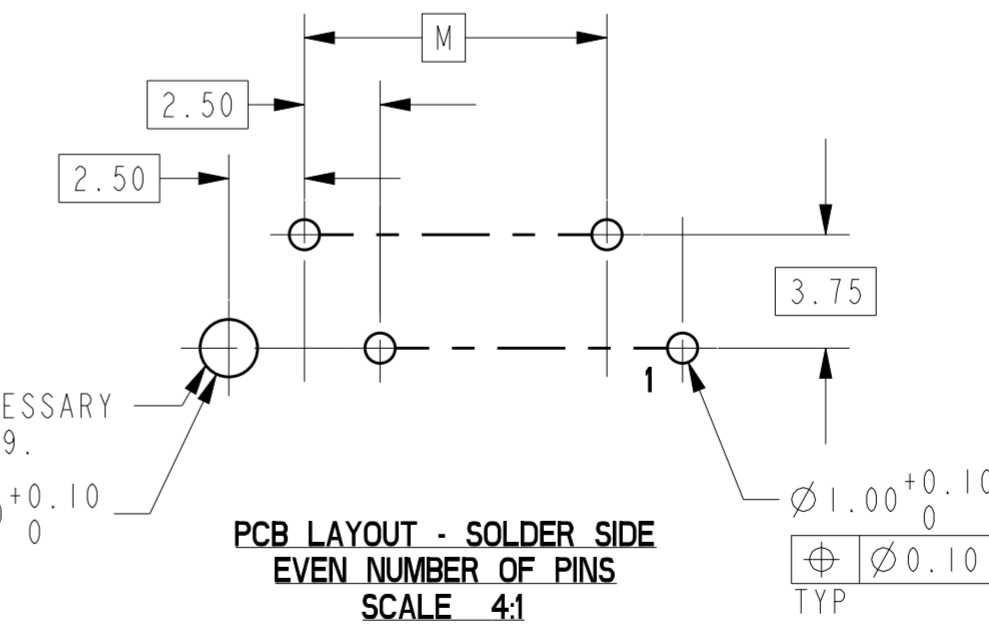
SECTION A-A



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



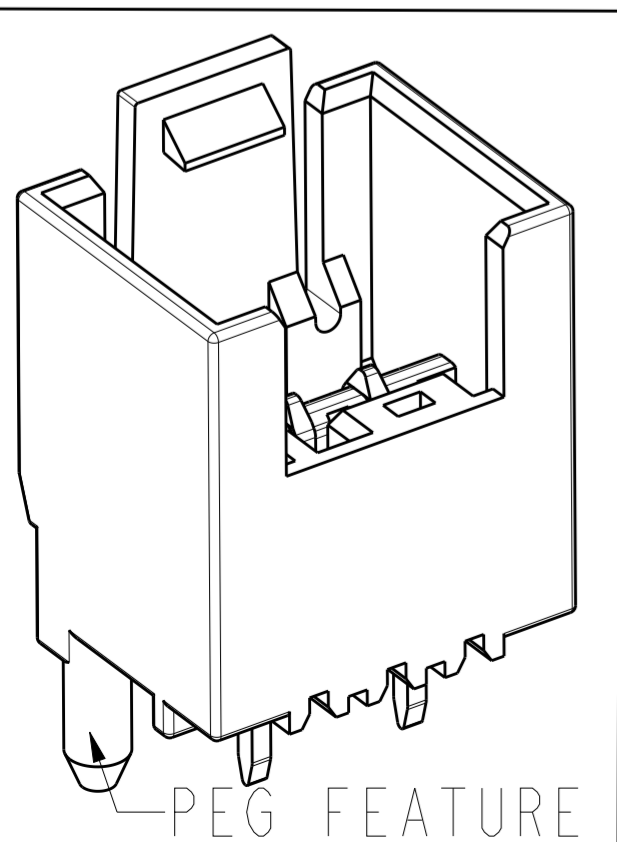
PCB LAYOUT - SOLDER SIDE ODD NUMBER OF PINS SCALE 4:1



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

THIS HOLE IS NOT NECESSARY FOR PRODUCT OF NOTE 9.

THIS HOLE IS NOT NECESSARY FOR PRODUCT OF NOTE 9.



PEG FEATURE

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
N	M	NO. OF POS.

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

SCALE: 5:1 SHEET 1 OF 6 REV: A14

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00				

QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.	QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.	
15	TAB CONTACT w/ SILVER PLATING	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 5)	15	3-1971838-5 2-1971838-5 1-1971838-5	4	TAB CONTACT w/ SILVER PLATING	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 10P (SEE THE DETAIL LAYOUT ON SHEET 5)	10	3-1971837-0 2-1971837-0 1-1971837-0	
9		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 14P (SEE THE DETAIL LAYOUT ON SHEET 5)	14	2-1971838-4 1-1971838-4			9	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 5)	9	7-1971837-9 6-1971837-9 5-1971837-9 4-1971837-9 3-1971837-9 2-1971837-9 1-1971837-9
14		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 5)	13	1-1971838-3				8	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 5)	8
13		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 5)	12	2-1971838-2 1-1971838-2	7		1		RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 5)	7	7-1971837-7 6-1971837-7 5-1971837-7 4-1971837-7 3-1971837-7 2-1971837-7 1-1971837-7
8		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 5)	11	2-1971838-1 1-1971838-1			6	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 6P (SEE THE DETAIL LAYOUT ON SHEET 5)	6	4-1971837-6 3-1971837-6 2-1971837-6 1-1971837-6
12		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 5)	5	4-1971837-5 3-1971837-5 2-1971837-5 1-1971837-5	5			1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 4P (SEE THE DETAIL LAYOUT ON SHEET 5)	4	7-1971837-4 6-1971837-4 5-1971837-4 4-1971837-4 3-1971837-4 2-1971837-4 1-1971837-4
11	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 5)	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		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 5)	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		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WINTER WANG 12NOV2012	TE Connectivity RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING
DIMENSIONS: mm		CHK HAPYE WU 12NOV2012	
		APVD YUJHONG MAO 12NOV2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
0 PLC ±		APPLICATION SPEC	SIZE
1 PLC ±		WEIGHT	CAGE CODE
2 PLC ±0.20		CUSTOMER DRAWING	DRAWING NO
3 PLC ±		SCALE 5:1	RESTRICTED TO
4 PLC ±		SHEET 2 OF 6	REV A14
ANGLES ±1°			
FINISH			

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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
ES	00						

QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.						
10	TAB CONTACT w/ TIN PLATING	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 10P (SEE THE DETAIL LAYOUT ON SHEET 5)	10	3-1971817-0 2-1971817-0 1-1971817-0						
9		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 5)	9	7-1971817-9 6-1971817-9 5-1971817-9 4-1971817-9 3-1971817-9 2-1971817-9 1-1971817-9						
6					1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 5)	8	5-1971817-8 4-1971817-8 3-1971817-8 2-1971817-8 1-1971817-8			
9								1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 5)	7	7-1971817-7 6-1971817-7 5-1971817-7 4-1971817-7 3-1971817-7 2-1971817-7 1-1971817-7
8											1
6					1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 5)	5				
7											1
5								1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 5)	3	
2		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 5)	15							
5											1
4	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 5)	13	7-1971817-4 6-1971817-4 5-1971817-4 4-1971817-4 3-1971817-4 2-1971817-4 1-1971817-4							
3				1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 5)	12	1-2322471-3 1-2335894-3 2335894-3 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				
11	1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 5)	11				2-1971818-1 1-2367449-1 1-1971818-1				
QTY				TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.			

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: WINTER WANG 12NOV2012
 CHK: HAPYE WU 12NOV2012
 APVD: YUHONG MAO 12NOV2012

STE TE Connectivity

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

SIZE: A2 CAGE CODE: 00779 DRAWING NO: C-1971817 RESTRICTED TO: -

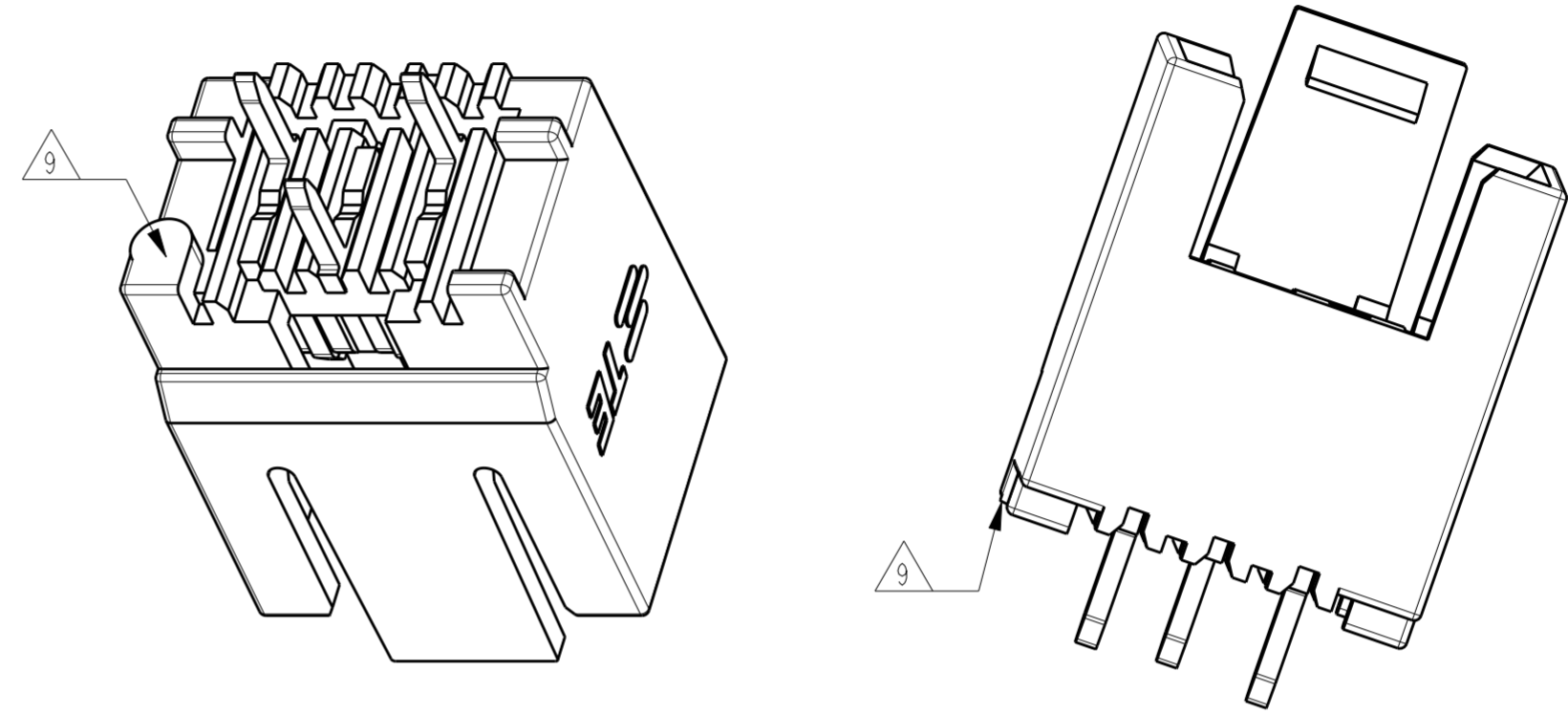
MATERIAL: - FINISH: - WEIGHT: -

CUSTOMER DRAWING SCALE: 5:1 SHEET 3 OF 6 REV: A14

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LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD

△ 9 SPEICAL VERSION WITHOUT PEG FEATURE.



OTHER DIMENSIONS SEE SHEET 1, PCB LAYOUT SEE SHEET 1

15		1		15	2362614-5	△ 8
14		1		14	2362614-4	△ 8
13		1		13	2362614-3	△ 8
12		1		12	2362614-2	△ 8
11		1		11	2362614-1	△ 8
10		1	RAST 2.5 TAB HEADER HOUSING EXTERNAL LOCKING WITHOUT PEG TBD ON DETAIL LAYOUT	10	2350434-0	△ 8
9	TAB CONTACT w/ TIN PLATING	1		9	2350434-9	△ 8
8		1		8	2350434-8	△ 8
7		1		7	2350434-7	△ 8
6		1		6	2350434-6	△ 8
5		1		5	2350434-5	△ 8
4		1		4	2350434-4	△ 8
3		1	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P WITHOUT PEG (SEE THE DETAIL LAYOUT ON SHEET 5)	3	2350434-3	△ 8
QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.	△ 5

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WINTER WANG 12NOV2012	 TE Connectivity
DIMENSIONS: mm		CHK HAPYE WU 12NOV2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD YUHONG MAO 12NOV2012	NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING
0 PLC ± 1 PLC ± 2 PLC ±0.20 3 PLC ± 4 PLC ± ANGLES ±° FINISH		PRODUCT SPEC -	SIZE A2
MATERIAL		APPLICATION SPEC -	CAGE CODE 00779
		WEIGHT -	DRAWING NO C-1971817
		CUSTOMER DRAWING	RESTRICTED TO
		SCALE 5:1	SHEET 4 OF 6
			REV A14

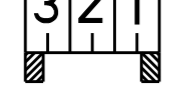
C

B

A



7-1971817-3
7-1971837-3



9-1971817-3
9-1971837-3



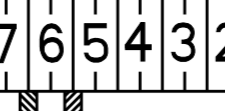
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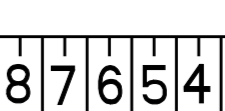
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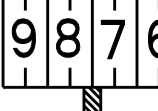
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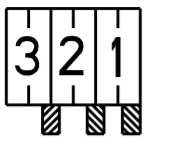
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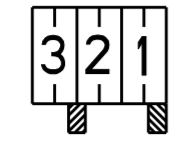
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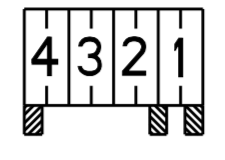
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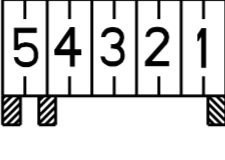
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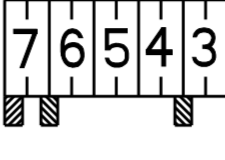
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1971837-3



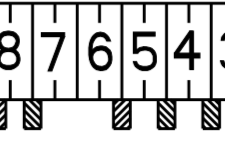
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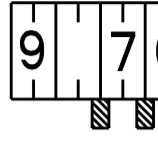
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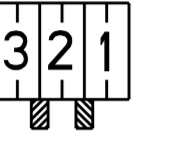
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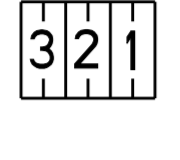
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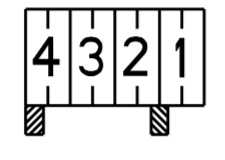
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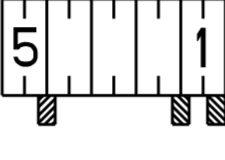
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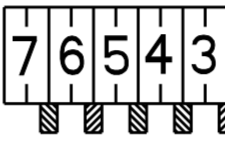
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2350434-3



6-1971817-4
6-1971837-4



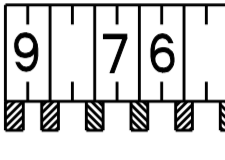
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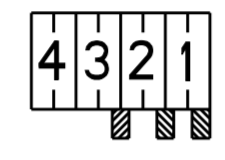
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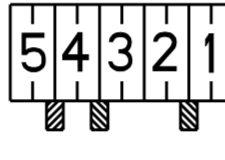
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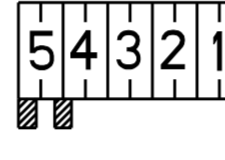
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7-1971837-4



8-1971817-5



9-1971817-5

3 POS

4 POS

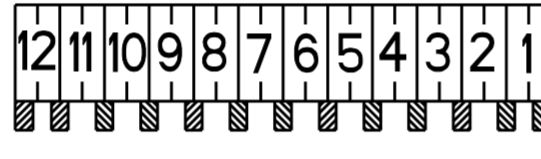
5 POS

6 POS

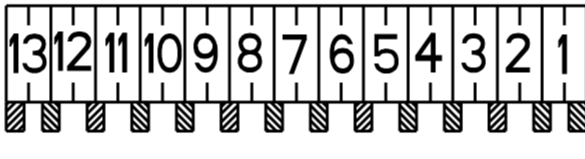
7 POS

8 POS

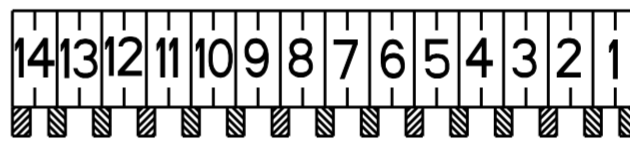
9 POS



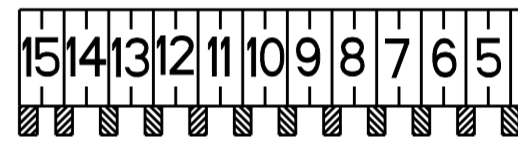
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1-1971838-2



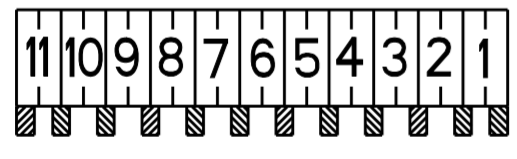
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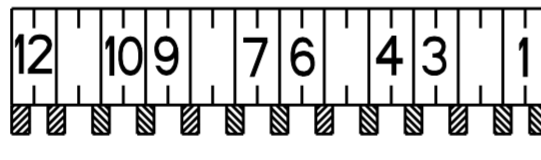
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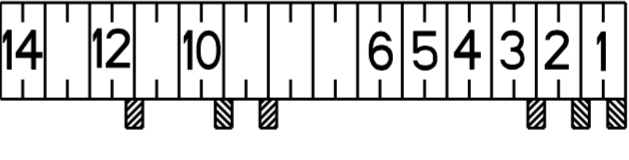
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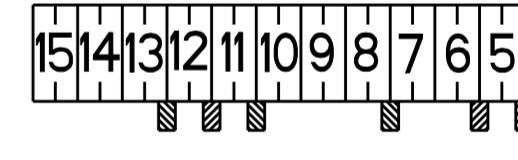
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1-1971838-1



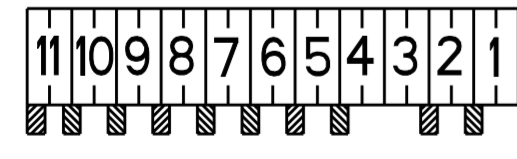
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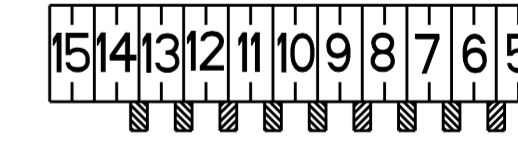
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2-1971838-4



2-1971818-5
2-1971838-5



2-1971818-1
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3-1971818-5
3-1971838-5

11 POS

12 POS

13 POS

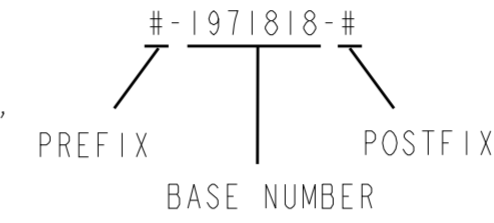
14 POS

15 POS

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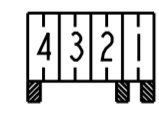
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD

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



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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WINTER WANG 12NOV2012	TE Connectivity	
		CHK HAPYE WU 12NOV2012		
		APVD YUHONG MAO 12NOV2012	NAME RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING	
DIMENSIONS: mm		PRODUCT SPEC 108-106079	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	A2 00779 C-1971817	
0 PLC ±-		WEIGHT -	SCALE 5:1 SHEET 6 OF 6 REV A14	
1 PLC ±-		CUSTOMER DRAWING		
2 PLC ±0.20				
3 PLC ±-				
4 PLC ±-				
ANGLES ±1°				
FINISH				

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