

4

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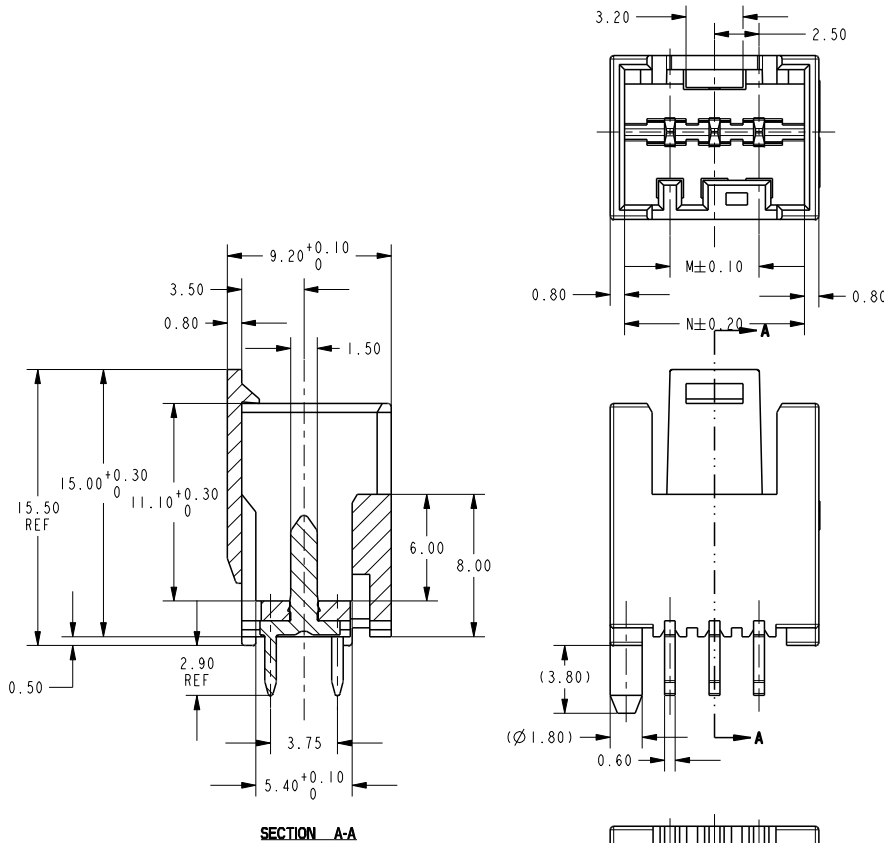
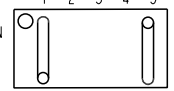
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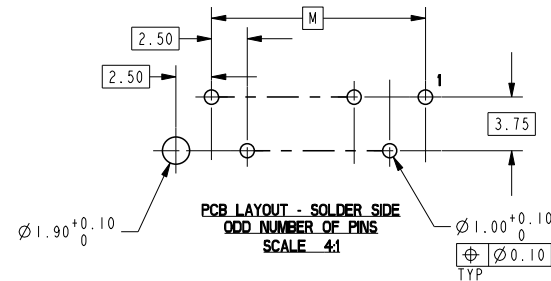
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P	LYR	DESCRIPTION	DATE	DWN	APVD		
ES	00						
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	A8	ECR-17-010693	24JUL2017	WW	RR		

NOTE

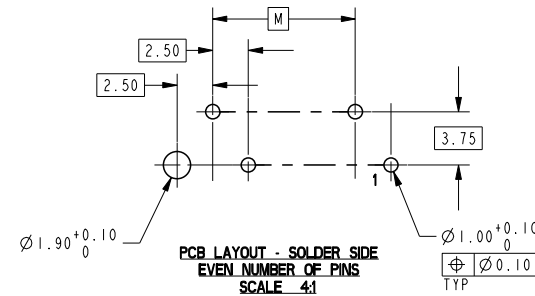
- 1 SEE SHEET 4 FOR AVAILABLE CONFIGURATIONS
- 2 MATERIAL: HOUSING, NYLON, UL94 V0, 750°C GWT NO FLAME
EIGHT COLORS AVAILABLE, INCLUDING: NATURAL, RED, BLUE, YELLOW, BLACK, GREY, GREEN, PURPLE
WHITE VERSION IS PRELIMINARY
CONTACT, COPPER ALLOY, 0.60MM THICK
- 3 FINISH: OPTION 1: TIN PLATING OVER NICKEL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



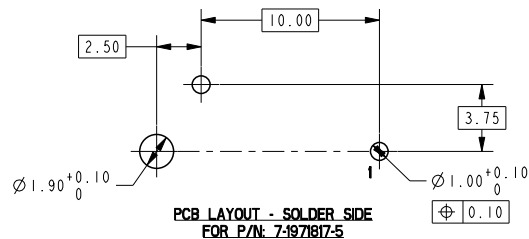
SECTION A-A



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

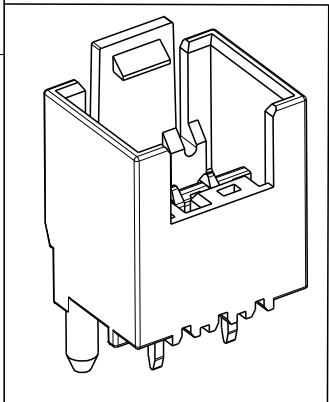


PCB LAYOUT - SOLDER SIDE
EVEN NUMBER OF PINS
SCALE 4:1



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

N	M	NO. OF PIS.
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



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DIMENSIONS: (mm)	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: WINTER WANG 12NOV2012	CHK: HAPYE WU 12NOV2012	APVD: YI HONG MAO 12NOV2012	NAME: RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING
0 PLC ±	0.20	PRODUCT SPEC	108-106079	APPLICATION SPEC	SIZE: A2
1 PLC ±	0.20	RESTRICTED TO	00779	SCALE: 5:1	SHEET: 1 of 5
2 PLC ±	0.20	CUSTOMER DRAWING	©=1971817	REV: A8	

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1

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LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
ES	00						

QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO
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
14		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 14P (SEE THE DETAIL LAYOUT ON SHEET 4)	14	1-1971818-4
13		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 4)	13	1-1971818-3
8		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 4)	12	2-1971818-2 1-1971818-2
12		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 12P (SEE THE DETAIL LAYOUT ON SHEET 4)	12	1-1971818-2
11		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
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
9		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 4)	9	7-1971817-9 6-1971817-9 5-1971817-9 4-1971817-9 3-1971817-9 2-1971817-9 1-1971817-9
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 4)	8	5-1971817-8 4-1971817-8 3-1971817-8 2-1971817-8 1-1971817-8
9		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 4)	8	7-1971817-7 6-1971817-7 5-1971817-7 4-1971817-7 3-1971817-7 2-1971817-7 1-1971817-7
8		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 8P (SEE THE DETAIL LAYOUT ON SHEET 4)	8	4-1971817-6 3-1971817-6 2-1971817-6 1-1971817-6
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 6P (SEE THE DETAIL LAYOUT ON SHEET 4)	6	7-1971817-5 6-1971817-5 4-1971817-5 3-1971817-5 2-1971817-5 1-1971817-5
7		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 4)	7	7-1971817-4 6-1971817-4 5-1971817-4 4-1971817-4 3-1971817-4 2-1971817-4 1-1971817-4
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 6P (SEE THE DETAIL LAYOUT ON SHEET 4)	6	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		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 4)	5	
5		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 4)	5	
4		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 4P (SEE THE DETAIL LAYOUT ON SHEET 4)	4	
3		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 4)	3	

THIS DRAWING IS A CONTROLLED DOCUMENT. DWG: WINTER WANG 12NOV2012
 CHK: HAPYE WU 12NOV2012
 APVD: YIYHONG MAO 12NOV2012


TE Connectivity

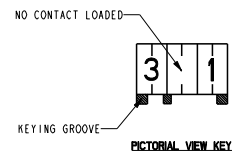
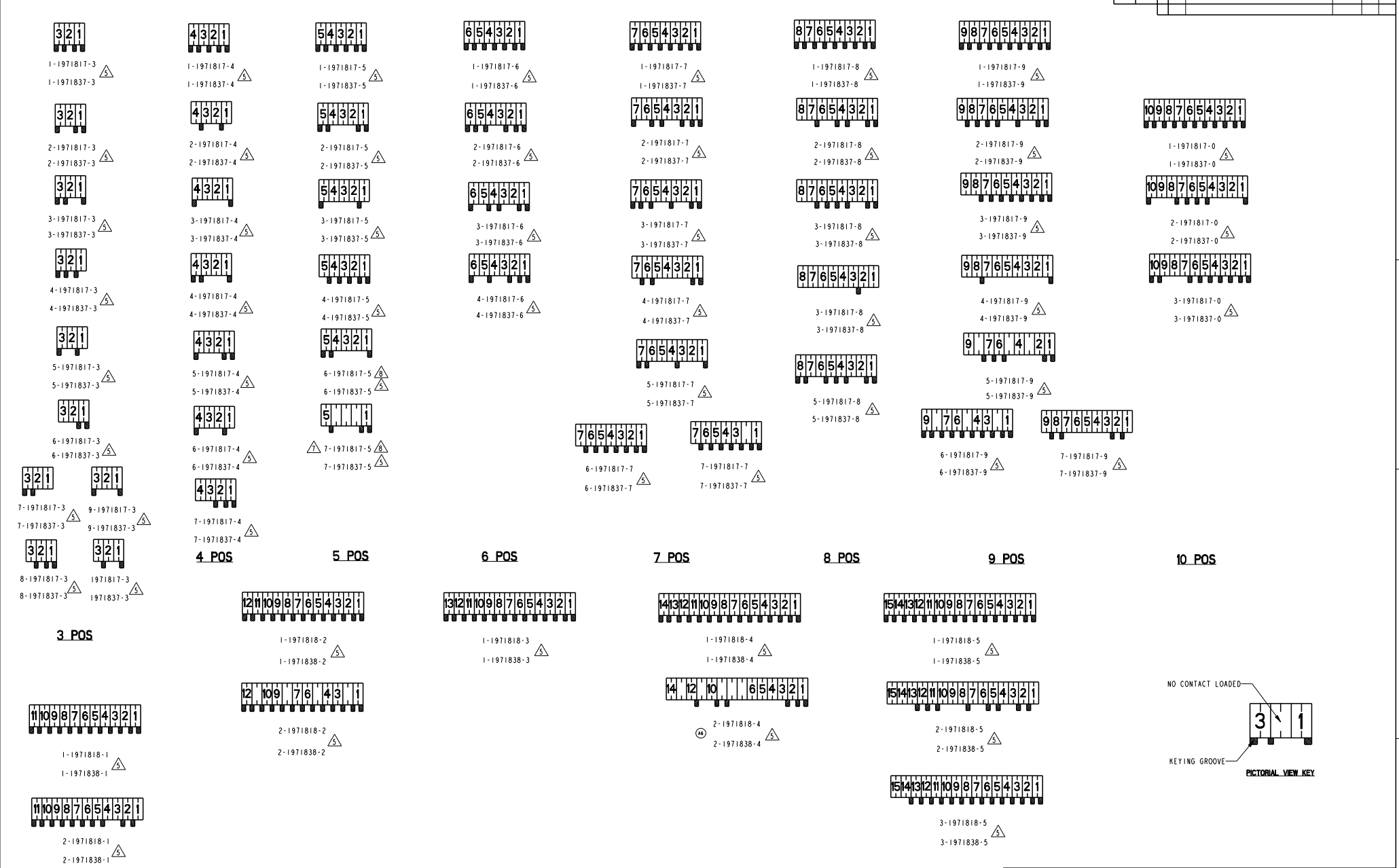
NAME: RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING

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

CUSTOMER DRAWING SCALE: NTS SHEET 3 OF 5 REV: A8

DIMENSIONS: (mm) TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ±
 1 PLC ±
 2 PLC ±0.20
 3 PLC ±
 4 PLC ±
 ANGLES ±1°
 FINISH





THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 22NOV2012	BY: WINTER WANG
DRAWING NO: 00779		DATE: 22NOV2012	BY: HAPYE WU
REVISIONS:		DATE: 22NOV2012	BY: YUJONG MAO
DIMENSIONAL SPECIFICATIONS:		PRODUCT SPEC	
MATERIAL:		APPLICATION SPEC	
FINISH:		HEIGHT:	RESTRICTED TO
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 4 OF 5

4

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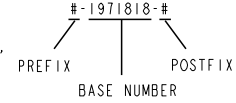
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LOC	DIST	REVISIONS					
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD

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-#	
BLACK	#-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	
DIMENSIONS: (mm)		APVD: YI HONG MAO 12NOV2012	NAME: RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC: 108-106079	SIZE: A2
0 PLC ± 1 PLC ± 2 PLC ±0.20 3 PLC ± 4 PLC ± ANGLES ±1° FINISH		APPLICATION SPEC: -	CAGE CODE: 00779
MATERIAL: -		WEIGHT: -	DRAWING NO: ©=1971817
		CUSTOMER DRAWING	RESTRICTED TO: -
		SCALE: NTS	SHEET 5 OF 5 REV A8

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[1-1971817-3](#)