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LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION	DATE	DWN	APVD		
A7		ECR-15-010757	20JUL2015	SL	RR		
A8		ECR-17-010693	24JUL2017	WW	RR		
A9		ECR-18-007518	16MAY2018	WW	FL		
A10		ECR-18-007702	27MAY2018	WW	FL		

**NOTE**

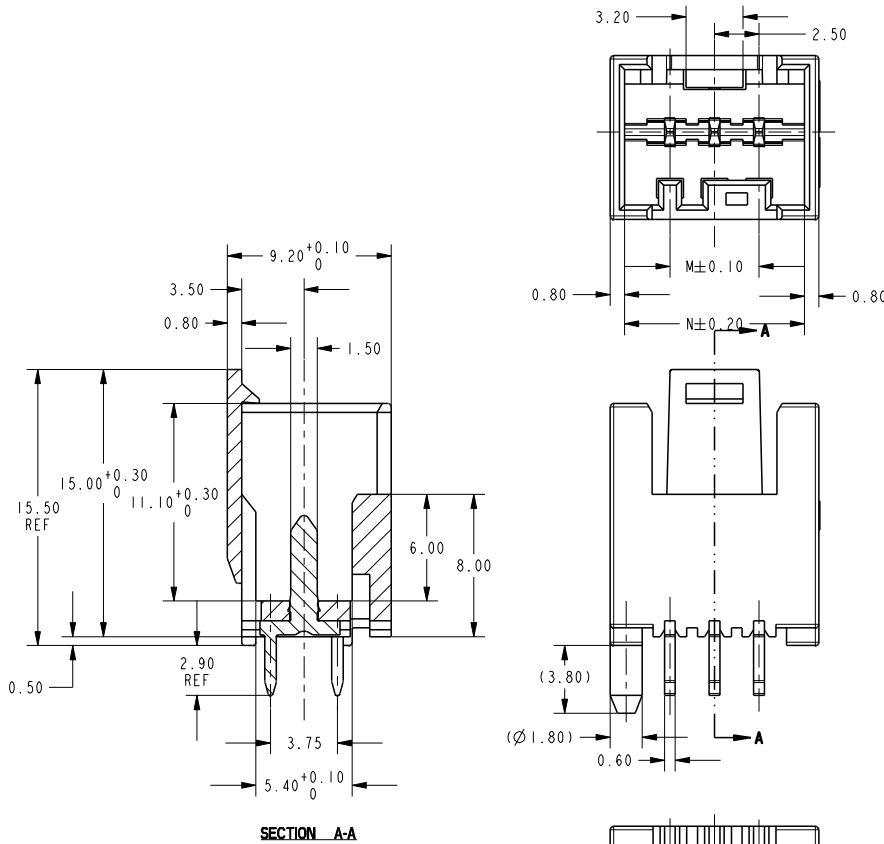
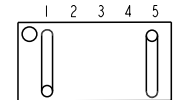
- 1 SEE SHEET 4 FOR AVAILABLE CONFIGURATIONS
- 2 MATERIAL: HOUSING, NYLON, UL94 V0, 750°C GWT NO FLAME  
EIGHT COLORS AVAILABLE, INCLUDING: NATURAL, RED, BLUE, YELLOW, BLACK, GREY, GREEN, PURPLE  
WHITE VERSION IS PRELIMINARY  
CONTACT, COPPER ALLOY, 0.60MM THICK
- 3 FINISH: OPTION 1: TIN PLATING OVER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

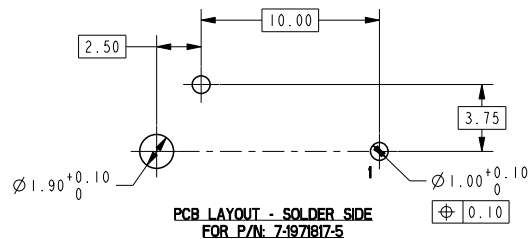
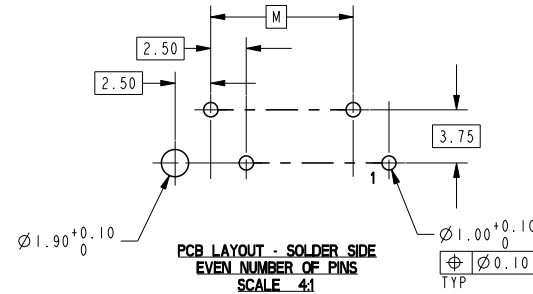
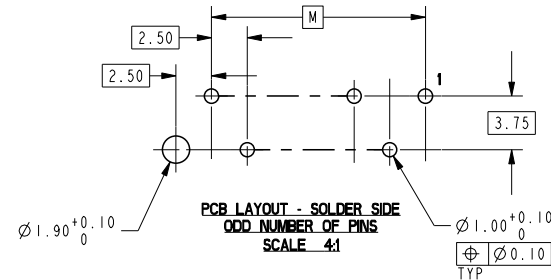
△6 PACKAGING: LOOSE PIECE OR TUBE. THE PART NUMBERS IN THIS DRAWING ARE WITH LOOSE PIECE PACKAGING EXCEPT THE PN 1-2322471-3. PLEASE CONTACT TE SALES REPRESENTATIVES FOR TUBE PACKAGING REQUIREMENT.

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

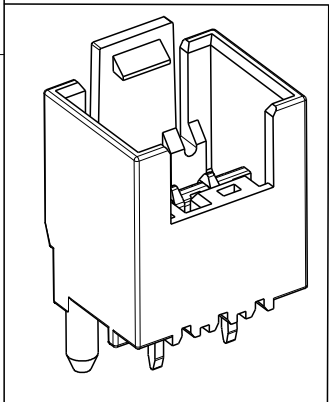
△8 PRELIMINARY PART NOT RELEASED FOR PRODUCTION



SECTION A-A



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



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: WINTER WANG 12NOV2012  
 CHK: HAPYE WU 12NOV2012  
 APVD: YI HONG MAO 12NOV2012

TE Connectivity  
**RAST 2.5 TAB HEADER ASSY**  
 TH, VERTICAL, EXTERNAL LOCKING

NAME: YI HONG MAO  
 PRODUCT SPEC: 108-106079  
 APPLICATION SPEC: -

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

MATERIAL: - WEIGHT: - CUSTOMER DRAWING: - SCALE: 5:1 SHEET 1 OF 5 REV: A10

4

3

2

1

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LOC	DIST	REVISIONS					
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD

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

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

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 CHK: HAPYE WU 12NOV2012  
 APVD: YIYHONG MAO 12NOV2012

TE Connectivity  
**RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING**

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 1971817  
 SCALE: 5:1 SHEET: 2 OF 5 REV: A10

MATERIAL: - FINISH: - WEIGHT: - CUSTOMER DRAWING

RESTRICTED TO

4

3

2

1

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LOC	DIST	REVISIONS					
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD

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
6					3-1971817-9 2-1971817-9 1-1971817-9
9					5-1971817-8 4-1971817-8 3-1971817-8 2-1971817-8 1-1971817-8
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					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	3-1971817-6 2-1971817-6 1-1971817-6
2					7-1971817-5 6-1971817-5 4-1971817-5 3-1971817-5 2-1971817-5 1-1971817-5
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	7-1971817-4 6-1971817-4 5-1971817-4 4-1971817-4 3-1971817-4 2-1971817-4				
3	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 4)	3	1-1971817-4 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	

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					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, 11P (SEE THE DETAIL LAYOUT ON SHEET 4)	11				2-1971818-1 1-1971818-1
11								QTY

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DWN: WINTER WANG 12NOV2012  
 CHG: HAPYE WU 12NOV2012  
 APVD: YIHONG MAO 12NOV2012

TE Connectivity

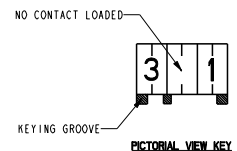
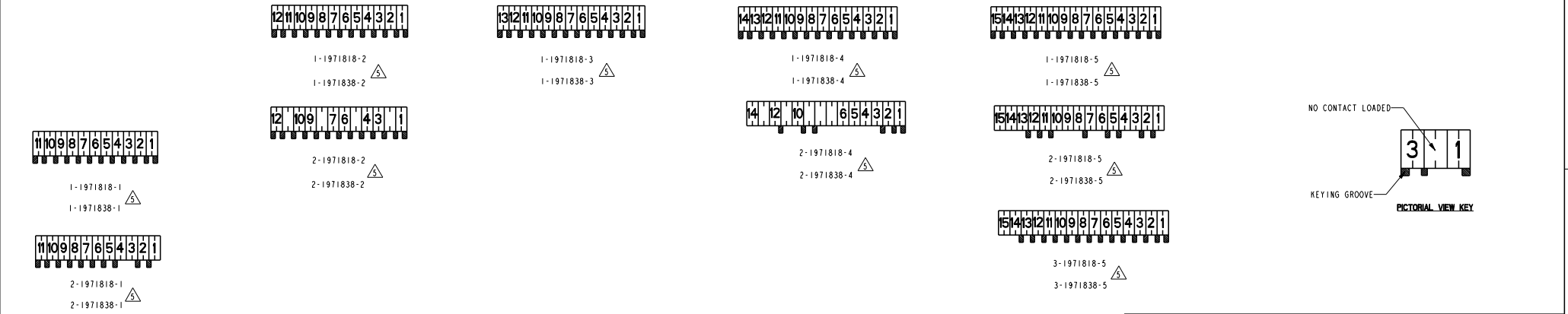
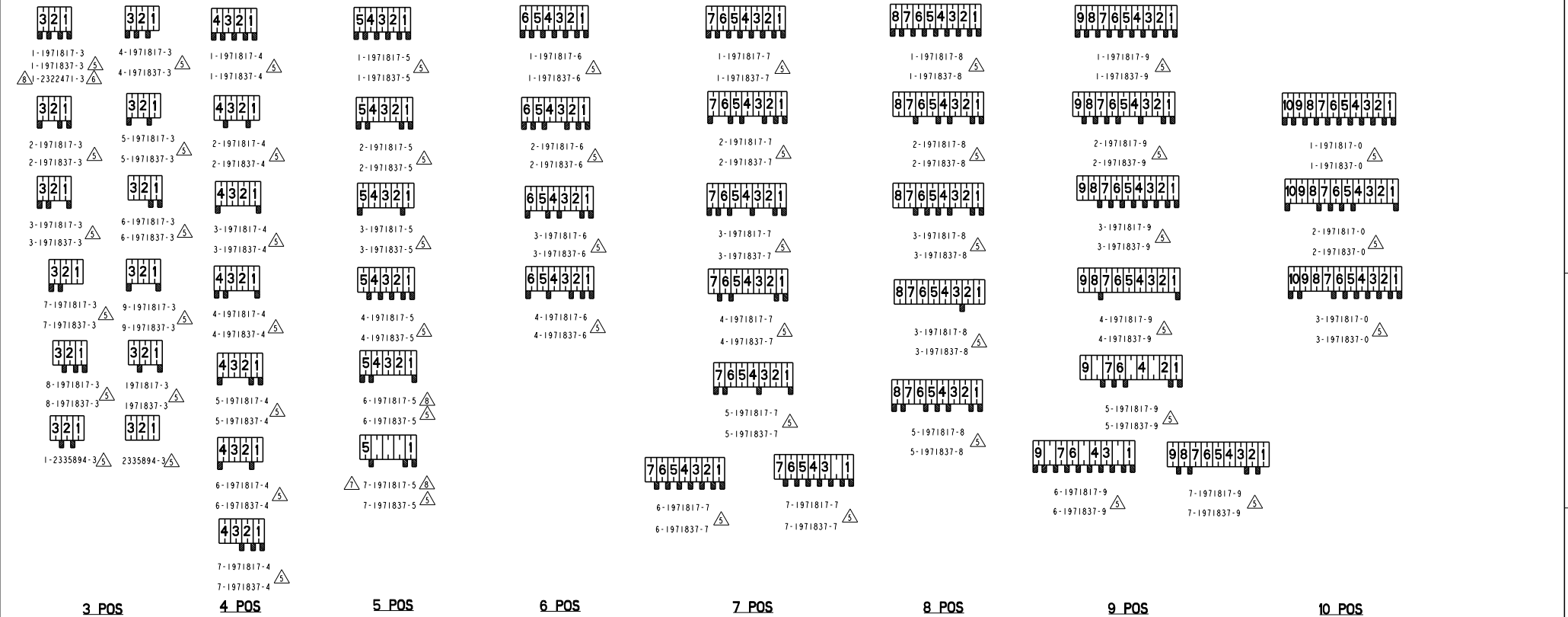
NAME: RAST 2.5 TAB HEADER ASSY TH, VERTICAL, EXTERNAL LOCKING

PRODUCT SPEC: -  
 APPLICATION SPEC: -  
 WEIGHT: -  
 MATERIAL: -

SIZE: A2  
 CAGE CODE: 00779  
 DRAWING NO: 1971817  
 SCALE: 5:1  
 SHEET: 3 OF 5  
 RESTRICTED TO: A10

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

CUSTOMER DRAWING



THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 22NOV2012	NAME: WINTER WANG
DRAWN BY: CHEN HAPYIE WU		DATE: 22NOV2012	NAME: HAPYIE WU
CHECKED BY: YU HONG MAO		DATE: 22NOV2012	NAME: YU HONG MAO
PRODUCT SPEC		APPLICATION SPEC	
MATERIAL		HEIGHT	RESTRICTED TO
FINISH		SCALE: 5:1	SHEET 4 OF 5
CUSTOMER DRAWING		DRAWING NO: 00779 ©=1971817	

4

3

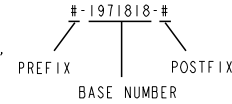
2

1

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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
DIMENSIONS: (mm)		CHK: HAPYE WU 12NOV2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: YI HONG 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 ±1° FINISH		PRODUCT SPEC: 108-106079	SIZE: A2
MATERIAL: -		APPLICATION SPEC: -	CAGE CODE: 00779
		WEIGHT: -	DRAWING NO: ©=1971817
		CUSTOMER DRAWING	RESTRICTED TO: A10
		SCALE: 5:1	SHEET: 5 OF 5



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.