

Technical drawing of a mechanical part, likely a cross-section of a shaft or pipe. The drawing shows a central horizontal section with a vertical line indicating a centerline. Two dimensions are indicated: 3.20 on the left and 2.50 on the right, both with arrows pointing to the respective sections of the part.

		A6	ECR-15-016520	25NOV2015	SL	RR
		A7	ECR-17-001536	03FEB2017	IZ	RR
		A8	ECR-18-008584	05JUN2018	BW	LZ
		A9	ECR-18-009485	19MAY2019	BW	WW

NOTE

- 1 SEE SHEET 2 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
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 4
- 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 PRELIMINARY PART NOT RELEASED FOR PRODUCTION

D

D

C

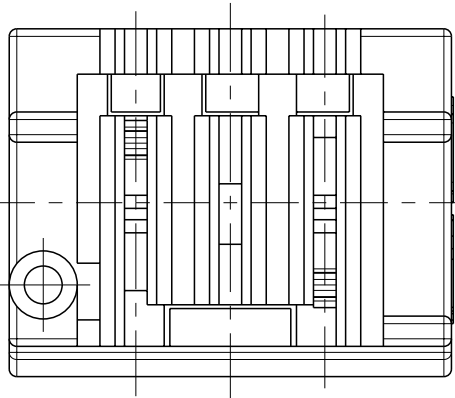
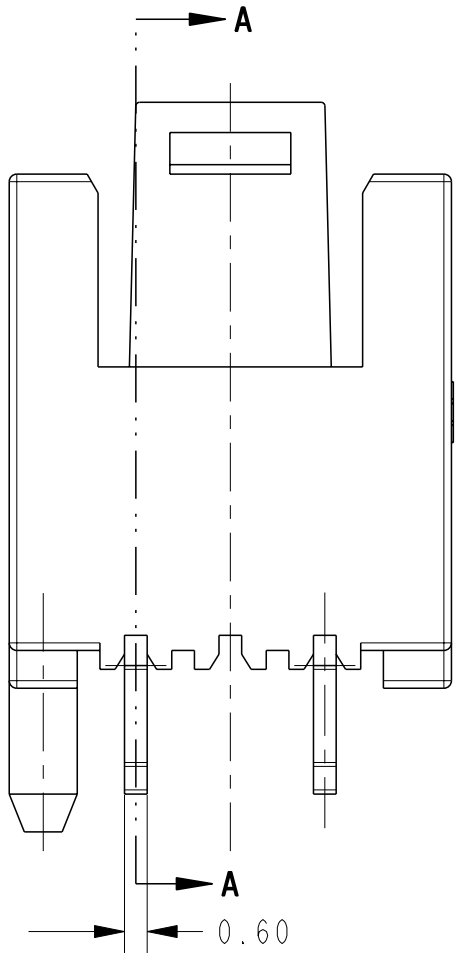
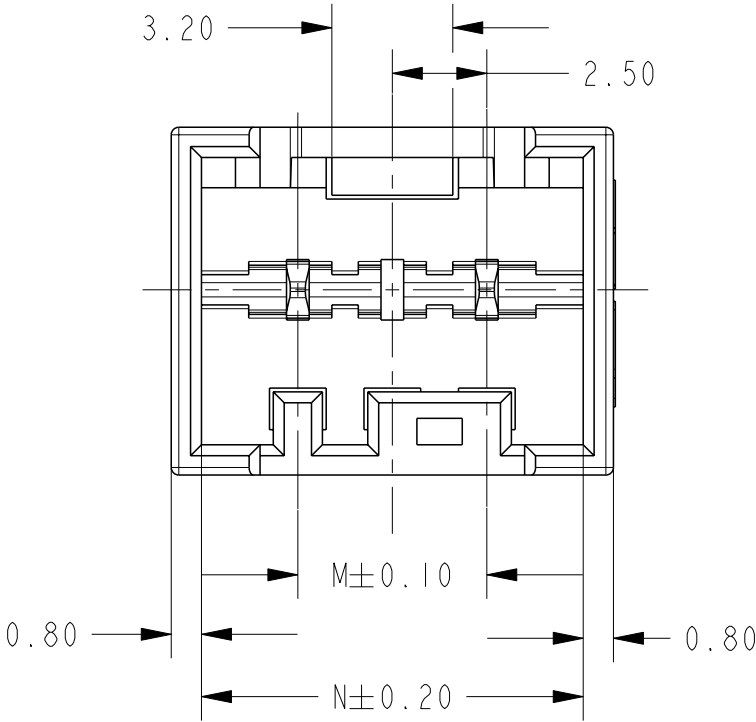
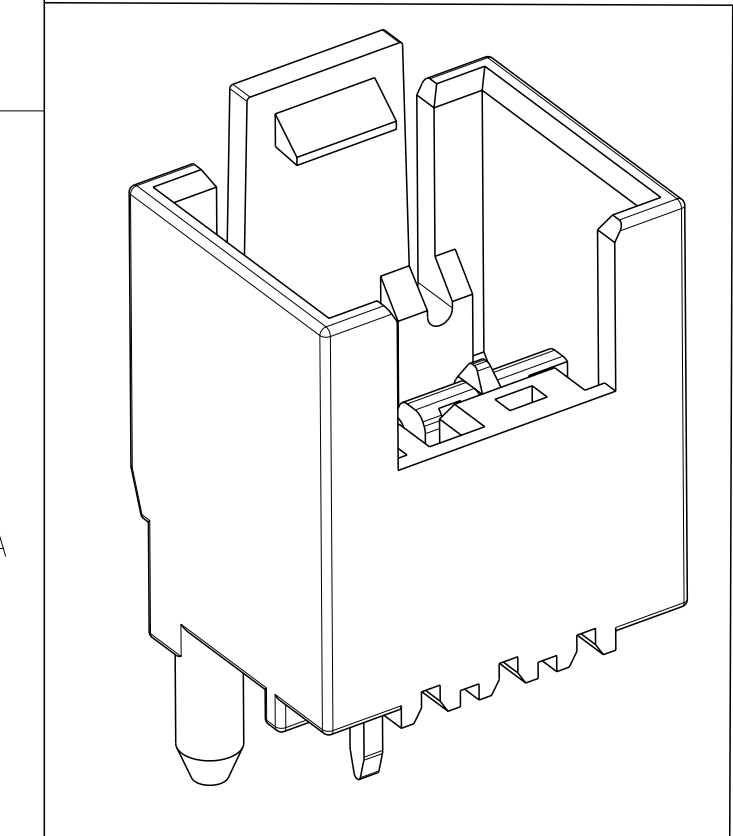
C

B

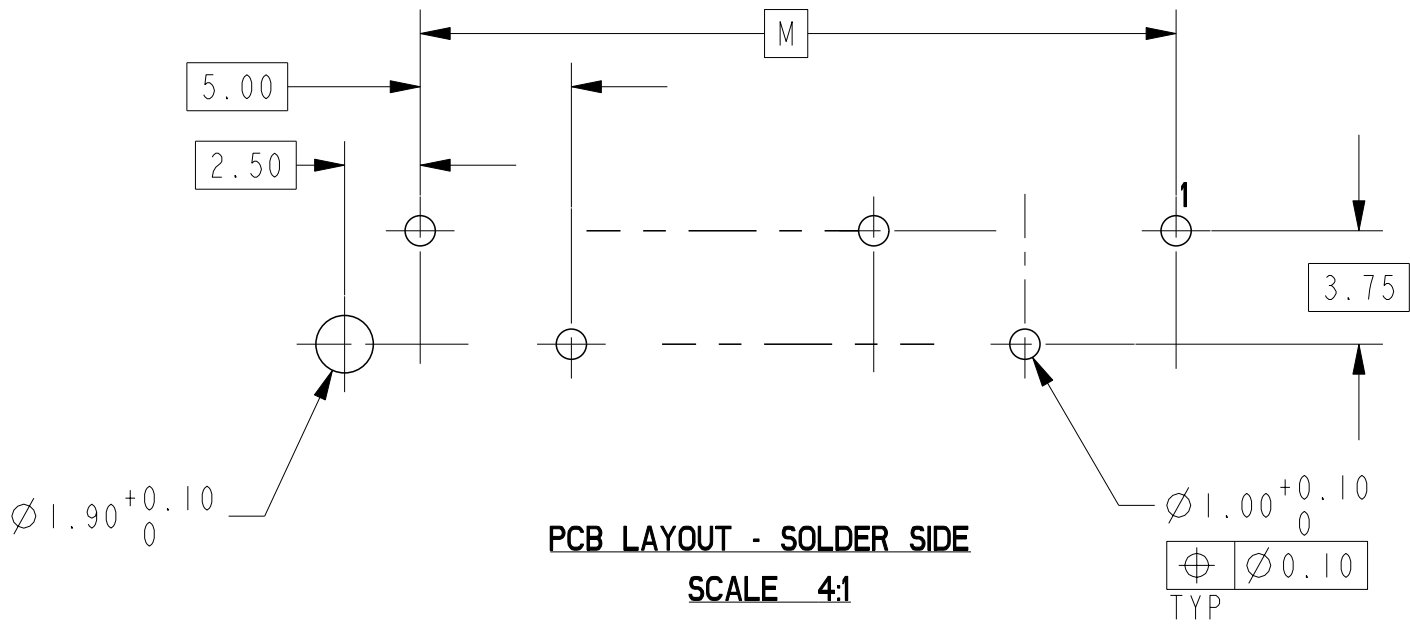
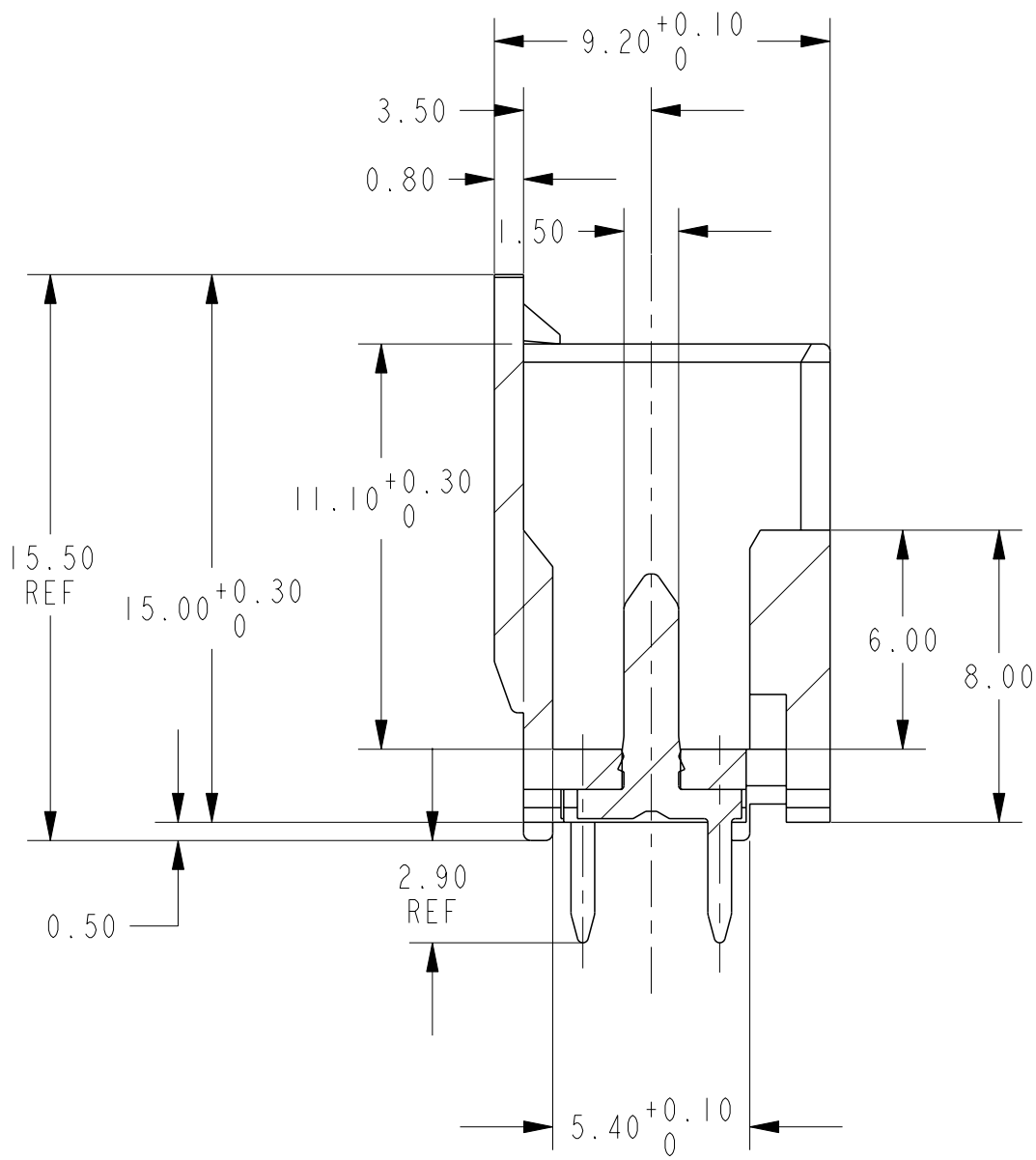
B

A

A



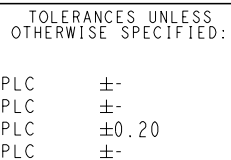
SECTION A-A



PCB LAYOUT - SOLDER SIDE
SCALE 4:1

N	M	NO. OF POS.
40.10	35.00	8 LOAD,15 POS.
35.10	30.00	7 LOAD,13 POS.
30.10	25.00	6 LOAD,11 POS.
25.10	20.00	5 LOAD,9 POS.
20.10	15.00	4 LOAD,7 POS.
15.10	10.00	3 LOAD,5 POS.
10.10	5.00	2 LOAD,3 POS.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN WINTER WANG	12NOV2012	TE Connectivity		
		CHK HAPYE WU	12NOV2012			
DIMENSIONS: mm		APVD YUHHONG MAO	12NOV2012	NAME RAST 2.5 TAB HEADER ASSY, SELECTIVE LOADED, TH, VERTICAL, EXTERNAL LOCKING		
		PRODUCT SPEC 108-106079				
		APPLICATION SPEC -		SIZE A2	CAGE CODE 00779	DRAWING NO C-1971921
MATERIAL -		WEIGHT -		RESTRICTED TO -		
		CUSTOMER DRAWING	SCALE NTS	SHEET 1	OF 5	REV A9



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

4

3

2

1

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LOC

DIST

REVISIONS

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

8	TAB CONTACT w/ SILVER PLATING	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 3)	15	3-1971924-5 2-1971924-5 1-1971924-5
7		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 3)	13	1-1971924-3
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 3)	11	2-1971924-1 1-1971924-1
5		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 3)	9	6-1971923-9 5-1971923-9 4-1971923-9 3-1971923-9 2-1971923-9 1-1971923-9
4		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 3)	7	8-1971923-7 7-1971923-7 6-1971923-7 5-1971923-7 4-1971923-7 3-1971923-7 2-1971923-7 1-1971923-7
3	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 3)	5	6-1971923-5 5-1971923-5 4-1971923-5 3-1971923-5 2-1971923-5 1-1971923-5	
2	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 3)	3	1971923-3 9-1971923-3 8-1971923-3 7-1971923-3 6-1971923-3 5-1971923-3 4-1971923-3 3-1971923-3 2-1971923-3 1-1971923-3	
QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.

8	TAB CONTACT w/ TIN PLATING	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 15P (SEE THE DETAIL LAYOUT ON SHEET 3)	15	3-1971922-5 2-1971922-5 1-1971922-5
7		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 13P (SEE THE DETAIL LAYOUT ON SHEET 3)	13	1-1971922-3
6		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 11P (SEE THE DETAIL LAYOUT ON SHEET 3)	11	2-1971922-1 1-1971922-1
5		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 9P (SEE THE DETAIL LAYOUT ON SHEET 3)	9	6-1971921-9 5-1971921-9 4-1971921-9 3-1971921-9 2-1971921-9 1-1971921-9
4		I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 7P (SEE THE DETAIL LAYOUT ON SHEET 3)	7	8-1971921-7 7-1971921-7 6-1971921-7 5-1971921-7 4-1971921-7 3-1971921-7 2-1971921-7 1-1971921-7
3	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 5P (SEE THE DETAIL LAYOUT ON SHEET 3)	5	9-1971921-5 8-1971921-5 7-1971921-5 6-1971921-5 5-1971921-5 4-1971921-5 3-1971921-5 2-1971921-5 1-1971921-5	
2	I	RAST 2.5 TAB HEADER HOUSING, EXTERNAL LOCKING, 3P (SEE THE DETAIL LAYOUT ON SHEET 3)	3	1971921-3 9-1971921-3 8-1971921-3 7-1971921-3 6-1971921-3 5-1971921-3 4-1971921-3 3-1971921-3 2-1971921-3 1-1971921-3	
QTY	TAB CONTACT	QTY	HOUSING	POS.	TE PART NO.

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 ±°
FINISH

MATERIAL

-

DWN BOB YANG 12NOV2012

CHK HAPYE WU 12NOV2012

APVD YUHHONG MAO 12NOV2012

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

29MAY2012

TE Connectivity

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

SIZE A2 CAGE CODE 00779 DRAWING NO. 1971921 RESTRICTED TO -

SCALE NTS SHEET 2 OF 5 REV A9

1471-9 (3/11)

8

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LOC-

DIST-

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

301

1-1971921-3

1-1971923-3

5

301

5-1971921-3

5-1971923-3

5

301

2-1971921-3

2-1971923-3

5

301

6-1971921-3

6-1971923-3

5

301

3-1971921-3

3-1971923-3

5

301

7-1971921-3

7-1971923-3

5

301

4-1971921-3

4-1971923-3

5

301

8-1971921-3

8-1971923-3

5

301

9-1971921-3

9-1971921-3

5

301

1971921-3

1971921-3

5

3 POS

50301

1-1971921-5

1-1971923-5

5

50301

8-1971921-5

8-1971923-5

5

50301

2-1971921-5

2-1971923-5

5

50301

9-1971921-5

9-1971923-5

5

50301

3-1971921-5

3-1971923-5

5

50301

6-1971921-5

6-1971923-5

5

50301

4-1971921-5

4-1971923-5

5

50301

7-1971921-5

7-1971921-5

5

50301

5-1971921-5

5-1971923-5

5

5 POS

7050301

1-1971921-7

1-1971923-7

5

7050301

5-1971921-7

5-1971923-7

5

7050301

2-1971921-7

2-1971923-7

5

7050301

6-1971921-7

6-1971923-7

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7050301

3-1971921-7

3-1971923-7

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7050301

7-1971921-7

7-1971923-7

5

7050301

4-1971921-7

4-1971923-7

5

7050301

8-1971921-7

8-1971923-7

5

7 POS

907050301

1-1971921-9

1-1971923-9

5

907050301

2-1971921-9

2-1971923-9

5

907050301

3-1971921-9

3-1971923-9

5

907050301

4-1971921-9

4-1971923-9

5

9 POS

110907050301

1-1971922-1

1-1971924-1

5

110907050301

2-1971922-1

2-1971924-1

5

11 POS

130110907050301

1-1971922-3

1-1971924-3

5

150130110907050301

1-1971922-5

1-1971924-5

5

150130110907050301

2-1971922-5

2-1971924-5

5

150130110907050301

3-1971922-5

3-1971924-5

5

15 POS

301

NO CONTACT LOADED

301

KEYING GROOVE

PICTORIAL VIEW KEY

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DWN BOB YANG 12NOV2012

CHK HAPYE WU 12NOV2012

APVD YUHONG MAO 12NOV2012

NAME

TE Connectivity

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±0.20

3 PLC ±

4 PLC ±

ANGLES ±°

FINISH

MATERIAL

-

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SIZE A1

CAGE CODE 00779

DRAWING NO C=1971921

RESTRICTED TO

SCALE NTS

SHEET 3 OF 5

REV A9

4805 13/111

8

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

50001

1-2825332-5

5_POS

600001

1-2825332-6

6_POS

7650301

1-2825332-7

7_POS

00650321

1-2825332-8

8_POS

907604021

1-2825332-9

9_POS

0987650301

1-2825332-0

10_POS

604021

2-2825332-6

650301

3-2825332-6

87604301

2-2825332-8

980604301

2-2825332-9

△

PRELIMINARY PART - NOT RELEASED FOR PRODUCTION
PART NUMBERS X-2825332-X ARE EQUIVALENT TO #-1971921-# IN GEOMETRY AND MATERIAL,
WITH ADDITIONAL POSITIONS, CONTACT LOADING AND POLARIZATIONS, AS SHOWN.

NO CONTACT LOADED

KEYING GROOVE

PICTORIAL VIEW KEY

301

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 ±°

FINISH

DWN BOB YANG 12NOV2012

CHK HAPYE WU 12NOV2012

APVD YUHONG MAO 12NOV2012

NAME

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

STE

TE Connectivity

RAST 2.5 TAB HEADER ASSY
SELECTIVE LOADED, TH, VERTICAL,
EXTERNAL LOCKING

SIZE A1 CAGE CODE 00779 DRAWING NO C=1971921

RESTRICTED TO

SCALE NTS SHEET 4 OF 5 REV A9

4805 13/111

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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

#-1971921-#

PREFIX

BASE NUMBER

POSTFIX

COLOR	PART NUMBER OF THE CONNECTOR				COMMENTS
	WITH TIN PLATING CONTACT		WITH AG PLATING CONTACT		
NATURAL	#-1971921-#	#-1971922-#	#-1971923-#	#-1971924-#	THE DETAIL P/N FOR DIFFERENT KEYING SEE SHEET 2 & 3
RED	#-2232189-#	#-2232190-#	#-2232191-#	#-2232192-#	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	#-1971984-#	#-1971985-#	#-2232193-#	#-2232194-#	
YELLOW	#-2232195-#	#-2232196-#	#-2232197-#	#-2232198-#	
BALCK	#-2232199-#	#-2232200-#	#-2232201-#	#-2232202-#	
GREY	#-2232203-#	#-2232204-#	#-2232205-#	#-2232206-#	
GREEN	#-2232207-#	#-2232208-#	#-2232209-#	#-2232210-#	
PURPLE	#-2232211-#	#-2232212-#	#-2232213-#	#-2232214-#	
WHITE	#-2232285-#	#-2232286-#	#-2232287-#	#-2232288-#	

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 3-1971921-3, THEN WE CAN LOOK IN THE ABOVE TABLE TO FIND THE CONNECTOR P/N WITH RED COLOR IS 3-2232189-3

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DWN

12NOV2012

WINTER WANG

CHK

12NOV2012

HAPYE WU

APVD

12NOV2012

YUHONG MAO

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC

±

1 PLC

±

2 PLC

±0.2

3 PLC

±

4 PLC

±

ANGLES

±1°

FINISH

MATERIAL

-

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

Customer Drawing

TE Connectivity

NAME

RAST 2.5 TAB HEADER ASSY
SELECTIVE LOADED, TH, VERTICAL,
EXTERNAL LOCKING

SIZE

A2

CAGE CODE

00779

DRAWING NO

1971921

RESTRICTED TO

-

SCALE

5:1

SHEET

5

OF

5

REV

A9

1471-9 (3/11)

Mouser Electronics

Authorized Distributor

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

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[1-1971984-5](#)