

A technical drawing showing a cross-section of a mechanical part. The drawing includes two dimension lines with arrows. The first dimension line is horizontal and labeled '3.20', spanning the width of the part. The second dimension line is vertical and labeled '2.50', indicating the height of a specific feature on the right side 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

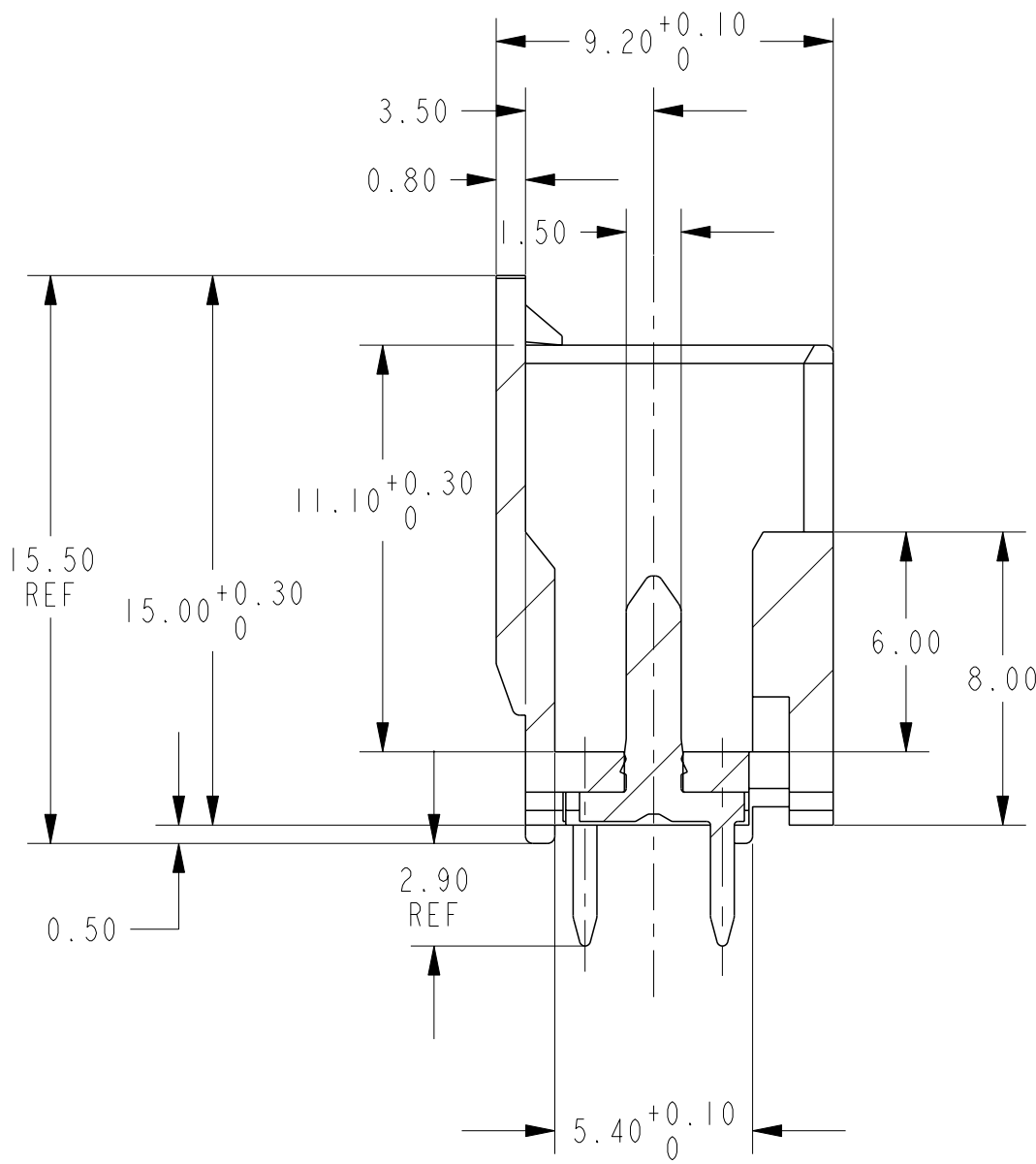
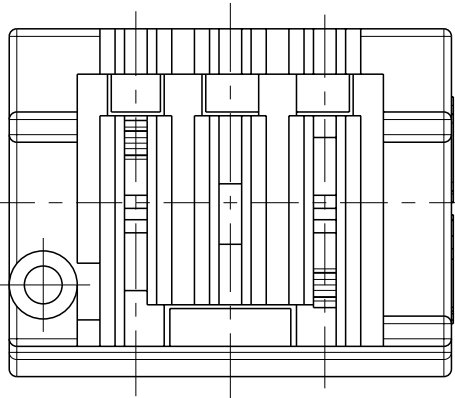
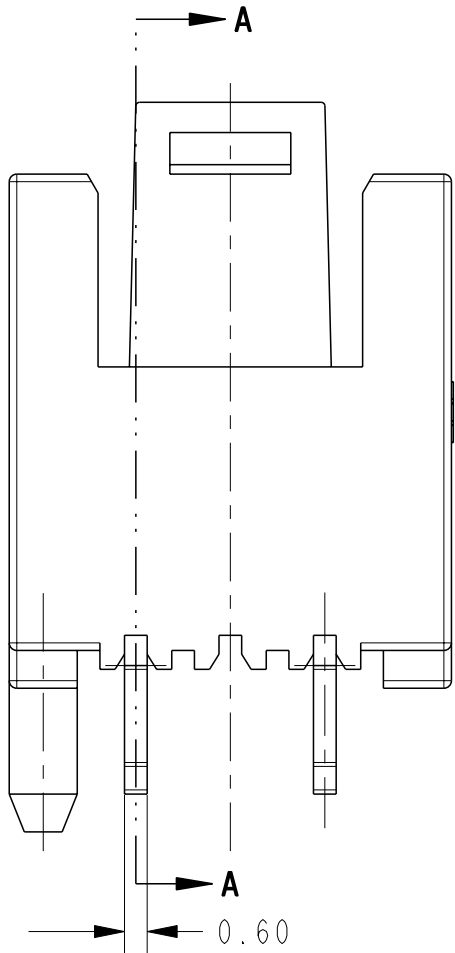
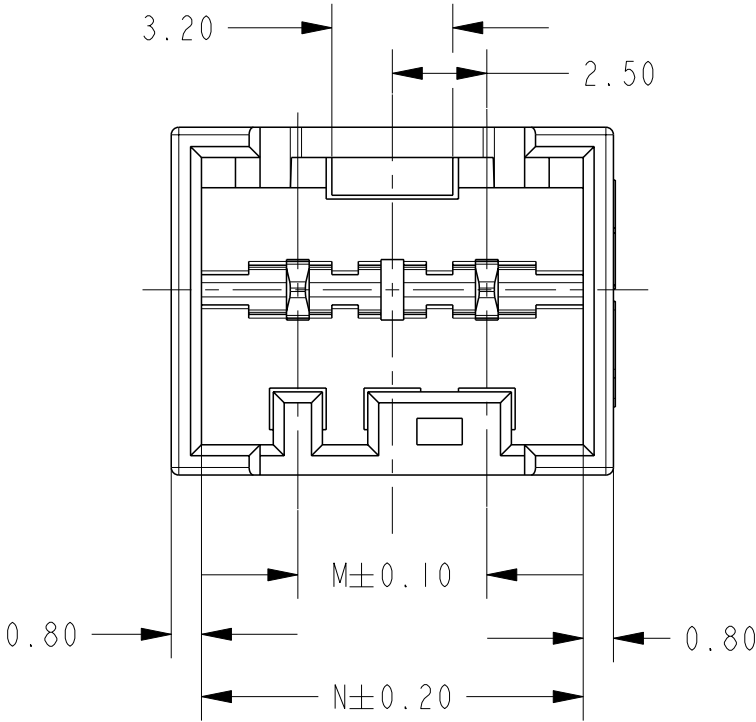
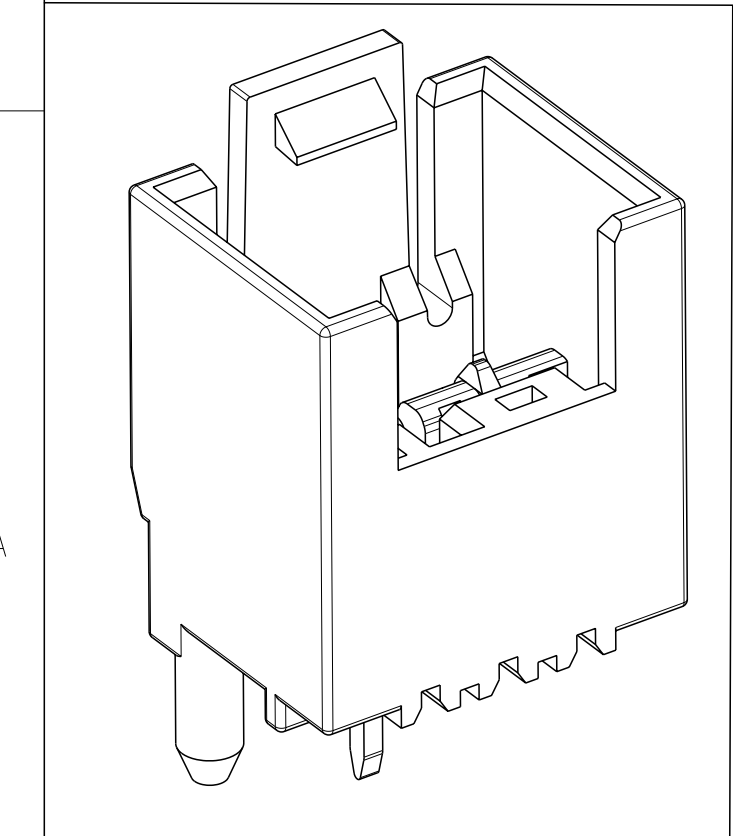
C

B

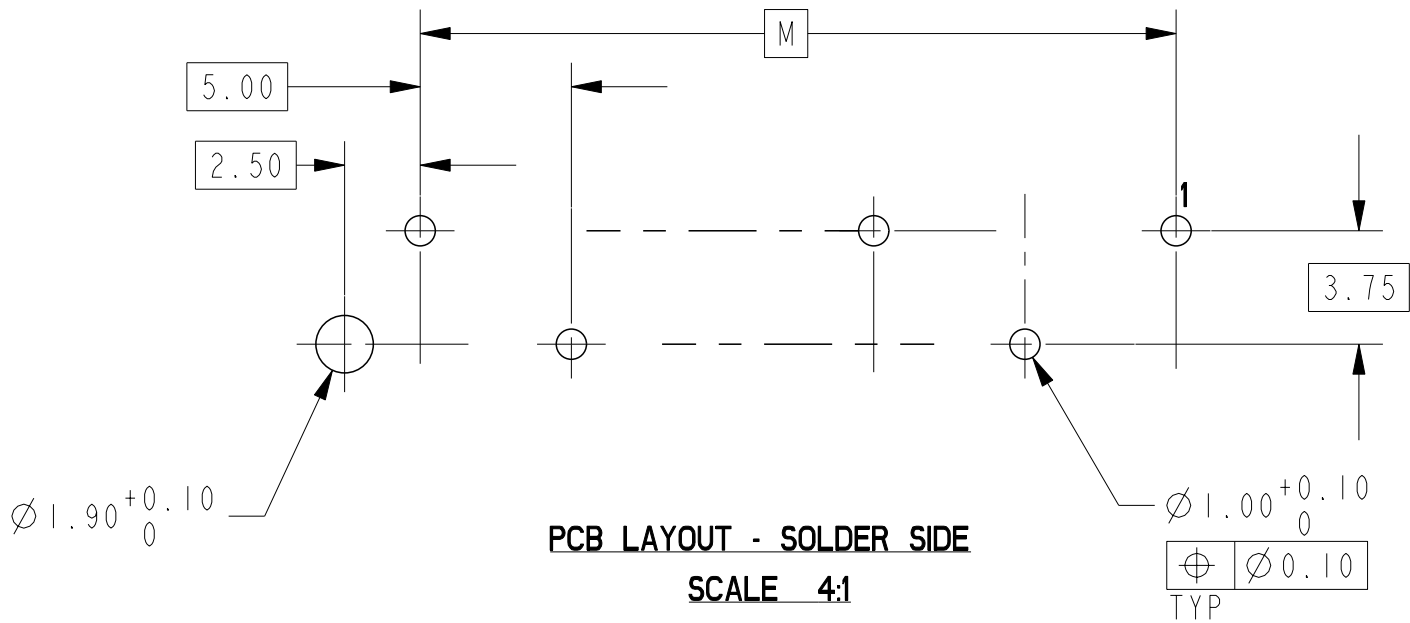
B

A

A

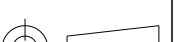


SECTION A-A



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	RESTRICTED TO -
MATERIAL -		WEIGHT -					
		CUSTOMER DRAWING		SCALE NTS	SHEET 1	OF 5	REV A9

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

ES

00

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

8

7

6

5

4

3

2

QTY

TAB CONTACT

w/ SILVER PLATING

QTY

HOUSING

5

POS.

TE PART NO.

5

8

7

6

5

4

3

2

QTY

1

1

1

1

1

1

1

1

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 15P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 13P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 11P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 9P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 7P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 5P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 3P
(SEE THE DETAIL LAYOUT ON SHEET 3)

15

13

11

9

7

5

3

3-1971924-5

2-1971924-5

1-1971924-5

1-1971924-3

2-1971924-1

1-1971924-1

6-1971923-9

5-1971923-9

4-1971923-9

3-1971923-9

2-1971923-9

1-1971923-9

8-1971923-7

7-1971923-7

6-1971923-7

5-1971923-7

4-1971923-7

3-1971923-7

2-1971923-7

1-1971923-7

6-1971923-5

5-1971923-5

4-1971923-5

3-1971923-5

2-1971923-5

1-1971923-5

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

8

7

6

5

4

3

2

QTY

1

1

1

1

1

1

1

1

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 15P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 13P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 11P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 9P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 7P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 5P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 3P
(SEE THE DETAIL LAYOUT ON SHEET 3)

15

13

11

9

7

5

3

3-1971922-5

2-1971922-5

1-1971922-5

1-1971922-3

2-1971922-1

1-1971922-1

6-1971921-9

5-1971921-9

4-1971921-9

3-1971921-9

2-1971921-9

1-1971921-9

8-1971921-7

7-1971921-7

6-1971921-7

5-1971921-7

4-1971921-7

3-1971921-7

2-1971921-7

1-1971921-7

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

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

8

7

6

5

4

3

2

QTY

TAB CONTACT

w/ TIN PLATING

QTY

HOUSING

5

POS.

TE PART NO.

5

1

1

1

1

1

1

1

1

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 15P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 13P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 11P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 9P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 7P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 5P
(SEE THE DETAIL LAYOUT ON SHEET 3)

RAST 2.5 TAB HEADER HOUSING,
EXTERNAL LOCKING, 3P
(SEE THE DETAIL LAYOUT ON SHEET 3)

15

13

11

9

7

5

3

3-1971922-5

2-1971922-5

1-1971922-5

1-1971922-3

2-1971922-1

1-1971922-1

6-1971921-9

5-1971921-9

4-1971921-9

3-1971921-9

2-1971921-9

1-1971921-9

8-1971921-7

7-1971921-7

6-1971921-7

5-1971921-7

4-1971921-7

3-1971921-7

2-1971921-7

1-1971921-7

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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
BOB YANG

CHK
HAPYE WU

APVD
YUHHONG MAO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

29MAY2012

12NOV2012

12NOV2012

12NOV2012

-

-

-

SCALE

NTS

SHEET

2

OF

5

REV

A9

TE

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

-

1471-9 (3/11)

8

7

6

5

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

-

-

REV

DATE

BY

APVD

DESCRIPTION

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

5

7050301

3-1971921-7

3-1971923-7

5

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

5-1971921-9

5-1971923-9

5

907050301

3-1971921-9

3-1971923-9

5

907050301

6-1971921-9

6-1971923-9

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

13 POS

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

KEYING GROOVE

PICTORIAL VIEW KEY

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN

BOB YANG

12NOV2012

DIMENSIONS:

mm

0 PLC

±

1 PLC

±

2 PLC

±0.20

3 PLC

±

4 PLC

±

ANGLES

±°

MATERIAL

-

FINISH

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

±

±

±0.20

±

±

±°

-

-

CHECK

HAPYE WU

12NOV2012

APVD

YUHONG MAO

12NOV2012

NAME

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

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

SIZE

A1

00779

C=1971921

DRAWING NO

RESTRICTED TO

SCALE

NTS

SHEET

3

OF

5

REV

A9

4805 13/111

8

7

6

5

4

3

2

1

THIS DRAWING IS UNPUBLISHED.
BY -

RELEASED FOR PUBLICATION
ALL RIGHTS RESERVED.

LOC
-

DIST
-

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

0

1

2

3

4

PLC

PLC

PLC

PLC

PLC

±

±

±

±

±

±0.20

±

±

±

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH

DWN
BOB YANG

CHK
HAPYE WU

APVD
YUHONG MAO

NAME
YUHONG MAO

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

12NOV2012

12NOV2012

12NOV2012

NAME

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=1971921

RESTRICTED TO

SCALE
NTS

SHEET
4

OF
5

REV
A9

STE

TE Connectivity

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

4805 13/111

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC-

DIST-

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 5				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

301

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±0.2

3 PLC ±

4 PLC ±

ANGLES ±1°

FINISH

MATERIAL

-

DWN 12NOV2012 WINTER WANG

CHK 12NOV2012 HAPYE WU

APVD 12NOV2012 YUHONG MAO

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 C-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:

[TE Connectivity:](#)

[1-1971921-9](#)