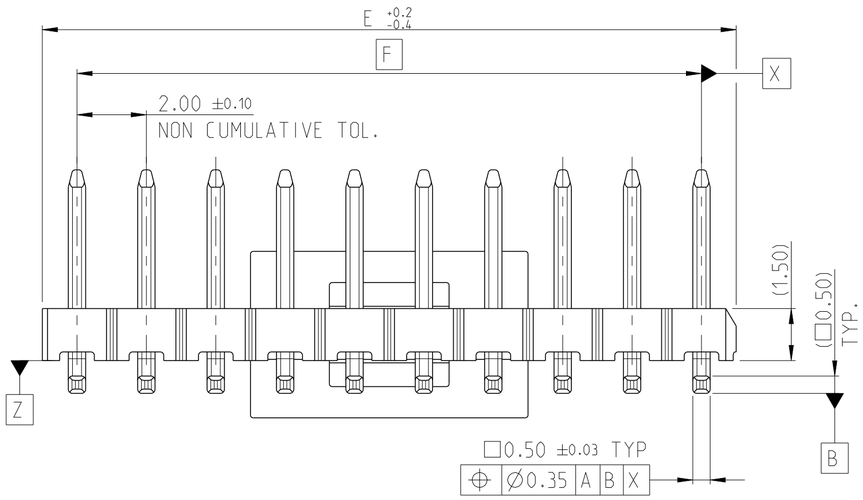
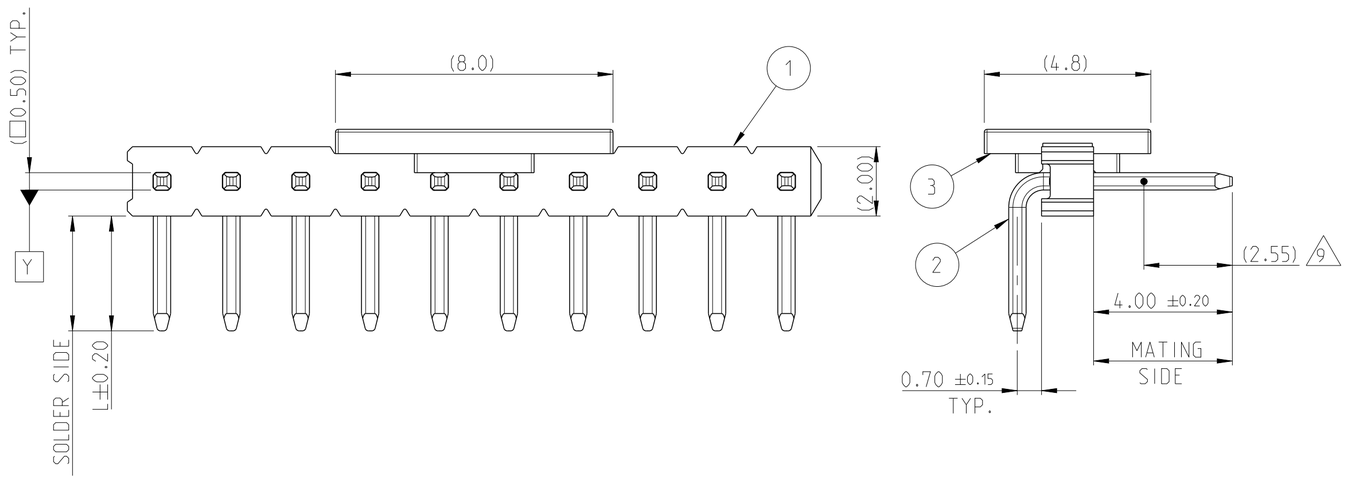
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| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | A | RELEASE TO PRODUCTION | 19OCT2023 | Ka | SS |
| | A1 | DIMENSION TOLERANCE CORRECTION | 29FEB2024 | KA | SS |
| | | | | | |
| | | | | | |




NOTES:

1. MATERIAL: HOUSING & P&P CAP : HIGH TEMPERATURE THERMOPLASTIC, UL94-V0;COLOR- BLACK
   POST : PHOSPHOR BRONZE

   FINISH :

2. 3-5 µm TIN OVER MIN. 1.27 µm NICKEL UNDER PLATING

3. MATING SIDE: MIN. 0.1 µm SELECTIVE GOLD OVER MIN. 1.27 µm NICKEL UNDER PLATING
   SOLDER SIDE: 4-6 µm TIN OVER MIN. 1.27 µm NICKEL UNDER PLATING

4. MATING SIDE: MIN. 0.38 µm SELECTIVE GOLD OVER MIN. 1.27 µm NICKEL UNDER PLATING
   SOLDER SIDE: 4-6 µm TIN OVER MIN. 1.27 µm NICKEL UNDER PLATING

5. MATING SIDE: MIN. 0.76 µm SELECTIVE GOLD OVER MIN. 1.27 µm NICKEL UNDER PLATING
   SOLDER SIDE: 4-6 µm TIN OVER MIN. 1.27 µm NICKEL UNDER PLATING

6. FOR SMART PART NUMBER, NO. OF POSITIONS PER CONNECTOR HAS TO BE ADDED NEXT TO NO. OF ROWS (2MM-HB-S__-HT-__-__-__). REFER SHEET 2 NOMENCLATURE.

   FOR EXAMPLE: 2MM-HB-S02-HT-01-T-TB = 2 POSITION.
   2MM-HB-S25-HT-01-T-TB = 25 POSITION.

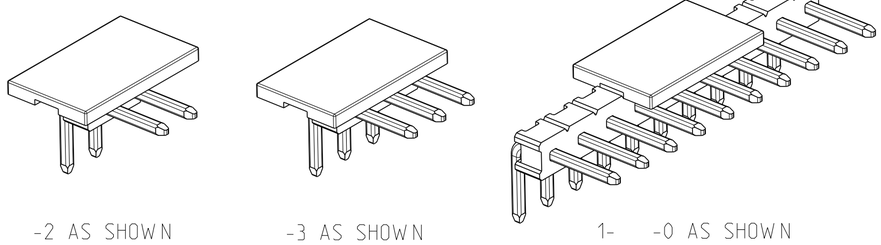
7. PACKAGING: A. TAPE & REEL WITH (W/) CAP.
   B. TUBE WITH (W/) & WITHOUT (W/O) CAP.

8. FOR TUBE PACKAGING W/CAP:
   NO PICK AND PLACE CAP FOR -2 AND -3 POS. HEADER POSITION STARTS FROM -4 POS.

9. PLATING THICKNESS MEASUREMENT POINT REFERENCE FOR SELECTIVE GOLD PLATING AREA

10. "L" DENOTES TAIL LENGTH

SCALE 5:1



-2 AS SHOWN

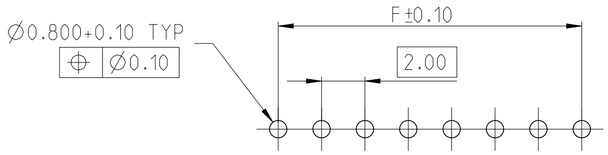


-3 AS SHOWN



1- -0 AS SHOWN

| | |
|---|---|
| CAP | 3 |
| POST | 2 |
| HOUSING | 1 |
| DESCRIPTION | ITEM NO. |




RECOMMENDED PCB HOLE PATTERN FOR THROUGH HOLE WAVE

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN RAKESH 15APR2016 | TE Connectivity |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±0.1 2 PLC ±0.05 3 PLC ±. 4 PLC ±. ANGLES ±2° | CHK KARTHIK 15APR2016 | NAME AMPMODU 2mm BREAKAWAY HEADER SINGLE ROW, RIGHT ANGLE |
| | | APVD PRASHANTH 15APR2016 | |
| | | PRODUCT SPEC 108-64040 | |
| | | APPLICATION SPEC 114-64040 | SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2823090 / RESTRICTED TO - |
| MATERIAL SEE NOTES | FINISH SEE NOTES | WEIGHT | |
| | | CUSTOMER DRAWING | SCALE 8:1 / SHEET 1 OF 3 / REV A1 |

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REVISIONS

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

# SMART PART NUMBER

2MM - HB - S ___ - HT - ___ - ___ - ___

## PRODUCT SERIES

| | |
|---|---|
| 2MM | AMPMODU 2mm series |

## GENDER / TYPE

| | |
|---|---|
| HB | Breakaway headers |

## NUMBER OF ROWS

| | |
|---|---|
| S | Single row |

## NUMBER OF PINS PER ROW

| | |
|---|---|
| XX | 02 through 25 (enter two digits) |

## ORIENTATION & TERMINATION

| | |
|---|---|
| HT | Horizontal through hole |

## PACKAGING

| | |
|---|---|
| TB | Tube without cap |
| TBP | Tube with cap |
| TRP | Tape and reel with cap |

8

## PLATING

| | |
|---|---|
| T | Tin |
| F | 0.1µm selective Gold (Gold flash) |
| M | 0.38µm selective Gold |
| H | 0.76µm selective Gold |

## TAIL LENGTH (L)

| | |
|---|---|
| 01 | 2.2 mm |
| 02 | 2.8 mm |

SMART PN EXAMPLES :

1. AMPMODU 2MM, BREAKAWAY HEADER, SINGLE ROW, 02 POSITION PER ROW, RIGHT ANGLE MOUNT, 2.2MM SOLDER TAIL LENGTH, TIN PLATING, TUBE W/O CAP
   2MM-HB-S02-HT-01-T-TB

2. AMPMODU 2MM, BREAKAWAY HEADER, SINGLE ROW, 25 POSITION PER ROW, RIGHT ANGLE MOUNT, 2.8MM SOLDER TAIL LENGTH, 0.76µm SELECTIVE GOLD PLATING, TAPE AND REEL WITH CAP
   2MM-HB-S25-HT-02-H-TRP

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.05
3 PLC ±-
4 PLC ±-
ANGLES ±2°

MATERIAL: SEE NOTES
FINISH: SEE NOTES

| | | |
|---|---|---|
| DWN | RAKESH | 15APR2016 |
| CHK | KARTHIK | 15APR2016 |
| APVD | PRASHANTH | 15APR2016 |
| PRODUCT SPEC | 108-64040 | |
| APPLICATION SPEC | 114-64040 | |
| WEIGHT | | |

CUSTOMER DRAWING

TE Connectivity

NAME: AMPMODU 2mm BREAKAWAY HEADER SINGLE ROW, RIGHT ANGLE

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-2823090 | - |

CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 3 | REV A1

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

| TE INTERNAL BASE NO. | PACKAGING TYPE | MATING SIDE PLATING FINISH | SOLDER TAIL LENGTH "L" | SMART PN |
|---|---|---|---|---|
| 2823090 | TUBE W/O CAP | TIN (2) | 2.2 | 2MM-HB-SXX-HT-01-T-TB |
| 2823671 | TUBE W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-T-TBP |
| 2823481 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-T-TRP |
| 2823092 | TUBE W/O CAP | | 2.8 | 2MM-HB-SXX-HT-02-T-TB |
| 2823683 | TUBE W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-T-TBP |
| 2823485 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-T-TRP |
| 2823094 | TUBE W/O CAP | SELECTIVE Au flash 0.1µm (3) | 2.2 | 2MM-HB-SXX-HT-01-F-TB |
| 2823672 | TUBE W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-F-TBP |
| 2823482 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-F-TRP |
| 2823096 | TUBE W/O CAP | | 2.8 | 2MM-HB-SXX-HT-02-F-TB |
| 2823684 | TUBE W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-F-TBP |
| 2823486 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-F-TRP |
| 2823098 | TUBE W/O CAP | SELECTIVE Au 0.38µm (4) | 2.2 | 2MM-HB-SXX-HT-01-M-TB |
| 2823673 | TUBE W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-M-TBP |
| 2823483 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-M-TRP |
| 2823100 | TUBE W/O CAP | | 2.8 | 2MM-HB-SXX-HT-02-M-TB |
| 2823685 | TUBE W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-M-TBP |
| 2823487 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-M-TRP |
| 2823102 | TUBE W/O CAP | SELECTIVE Au 0.76µm (5) | 2.2 | 2MM-HB-SXX-HT-01-H-TB |
| 2823674 | TUBE W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-H-TBP |
| 2823484 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HB-SXX-HT-01-H-TRP |
| 2823104 | TUBE W/O CAP | | 2.8 | 2MM-HB-SXX-HT-02-H-TB |
| 2823686 | TUBE W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-H-TBP |
| 2823488 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HB-SXX-HT-02-H-TRP |

| DIM "F" | DIM "E" | NUMBER OF PINS PER ROW "XX" | TE INTERNAL PART NO. |
|---|---|---|---|
| 48 | 50 | 25 | 2- -5 |
| 46 | 48 | 24 | 2- -4 |
| 44 | 46 | 23 | 2- -3 |
| 42 | 44 | 22 | 2- -2 |
| 40 | 42 | 21 | 2- -1 |
| 38 | 40 | 20 | 2- -0 |
| 36 | 38 | 19 | 1- -9 |
| 34 | 36 | 18 | 1- -8 |
| 32 | 34 | 17 | 1- -7 |
| 30 | 32 | 16 | 1- -6 |
| 28 | 30 | 15 | 1- -5 |
| 26 | 28 | 14 | 1- -4 |
| 24 | 26 | 13 | 1- -3 |
| 22 | 24 | 12 | 1- -2 |
| 20 | 22 | 11 | 1- -1 |
| 18 | 20 | 10 | 1- -0 |
| 16 | 18 | 9 | -9 |
| 14 | 16 | 8 | -8 |
| 12 | 14 | 7 | -7 |
| 10 | 12 | 6 | -6 |
| 8 | 10 | 5 | -5 |
| 6 | 8 | 4 | -4 |
| 4 | 6 | 3 | -3 |
| 2 | 4 | 2 | -2 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.05
3 PLC ±-
4 PLC ±-
ANGLES ±2°

MATERIAL: SEE NOTES

FINISH: SEE NOTES

| | | |
|---|---|---|
| DWN | RAKESH | 15APR2016 |
| CHK | KARTHIK | 15APR2016 |
| APVD | PRASHANTH | 15APR2016 |
| PRODUCT SPEC | 108-64040 | |
| APPLICATION SPEC | 114-64040 | |
| WEIGHT | | |

CUSTOMER DRAWING

TE Connectivity

NAME: AMPMODU 2mm BREAKAWAY HEADER SINGLE ROW, RIGHT ANGLE

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-2823090 | - |

SCALE 5:1 | SHEET 3 OF 3 | REV A1

# Unikeyic Electronics

Global Electronic Components Distributor

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## TE Connectivity:

TE50BR39J 1393431-1 1903112-2 936348-1 2377783-2 917696-1 MPT100C18RF SBCHE154R7K SBCHE64R7K SMW73R0JT 1743455-2 175977-2 2834055-1 2-292161-3 650075-000 CRGCQ2010J3K3 U5254-000005-030PA 1-794222-0 1-962915-1 141991-2 1969656-1 2380312-2 3-1393225-0 3430B2F51RTDF 3631B101LL 2005330-1 2310537-1 CPF0402B37K4E1 RH73H2A40MKTN ROX05SJ18R