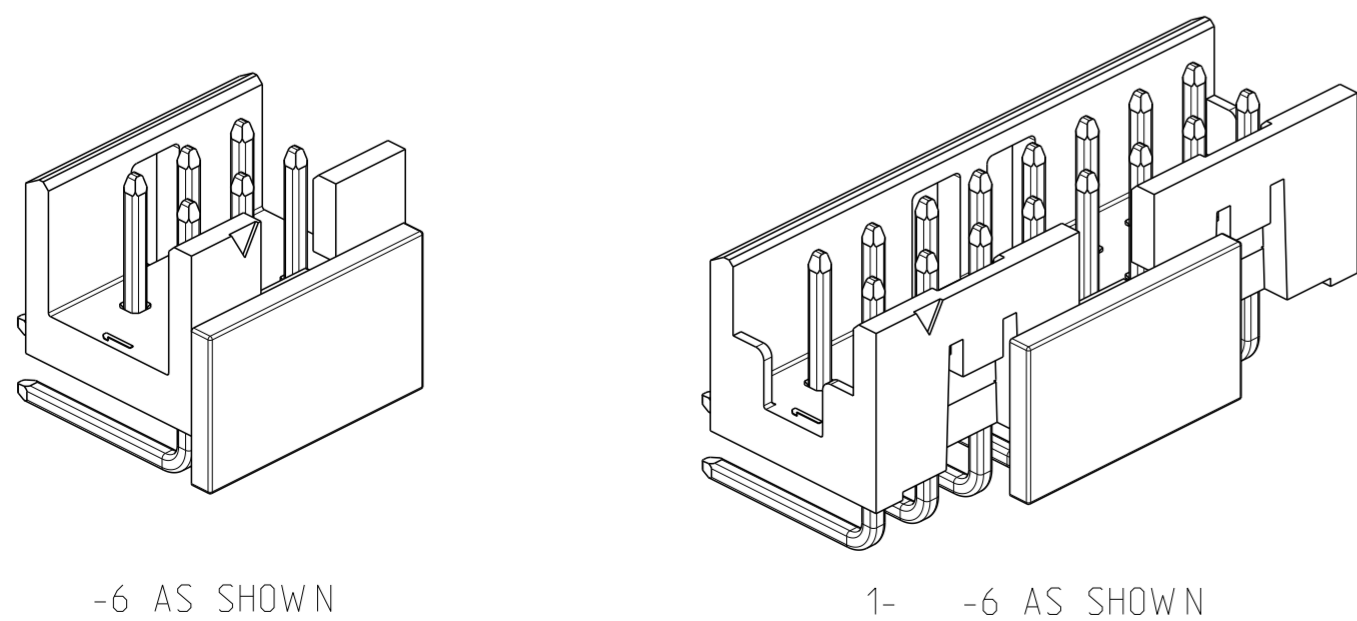
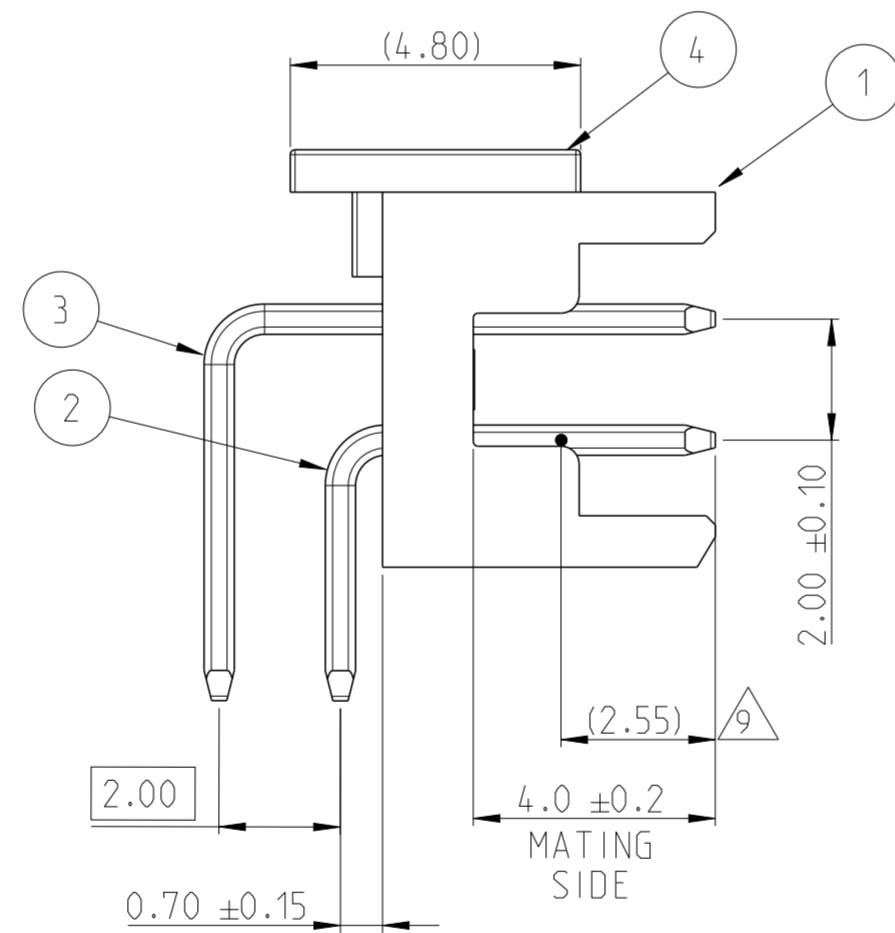
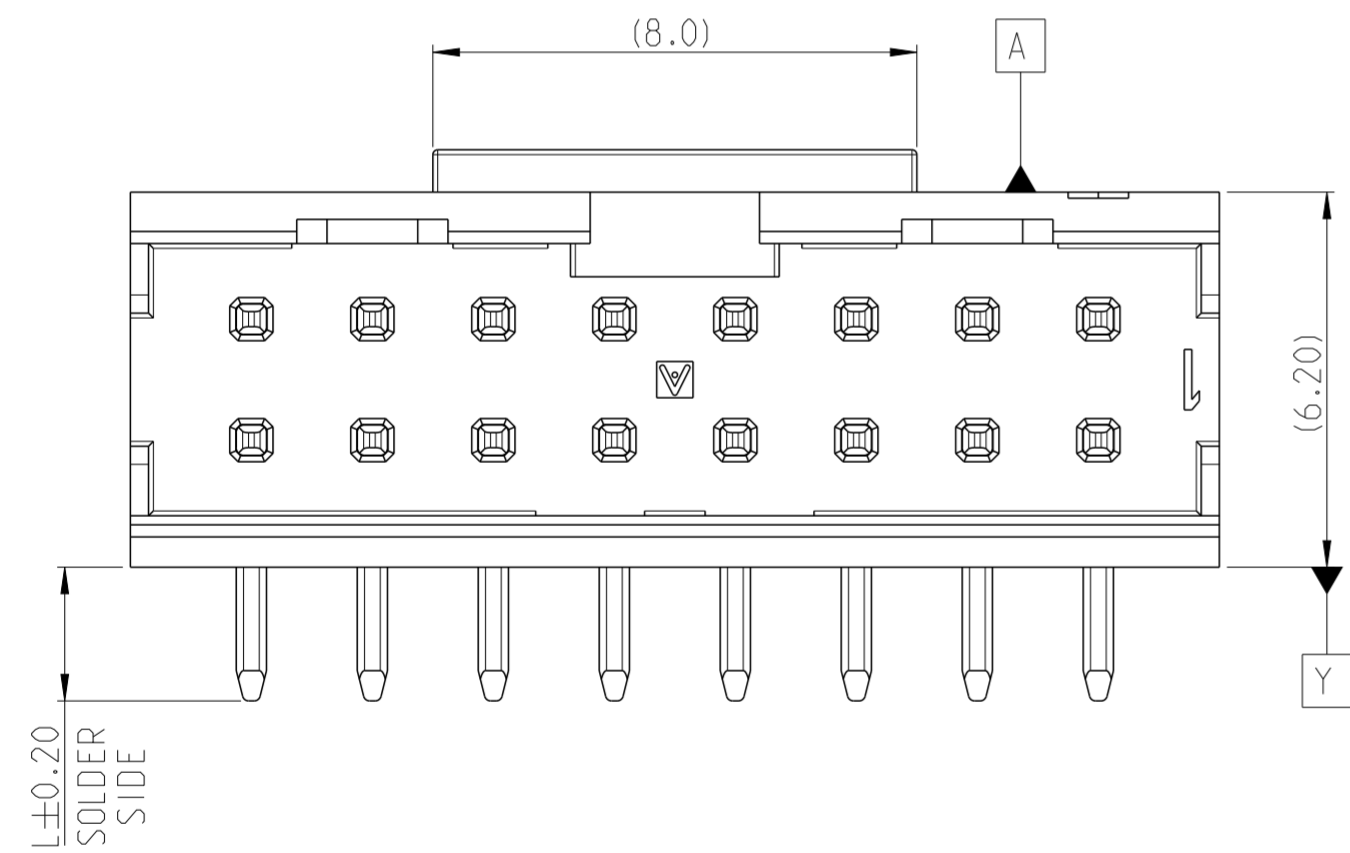
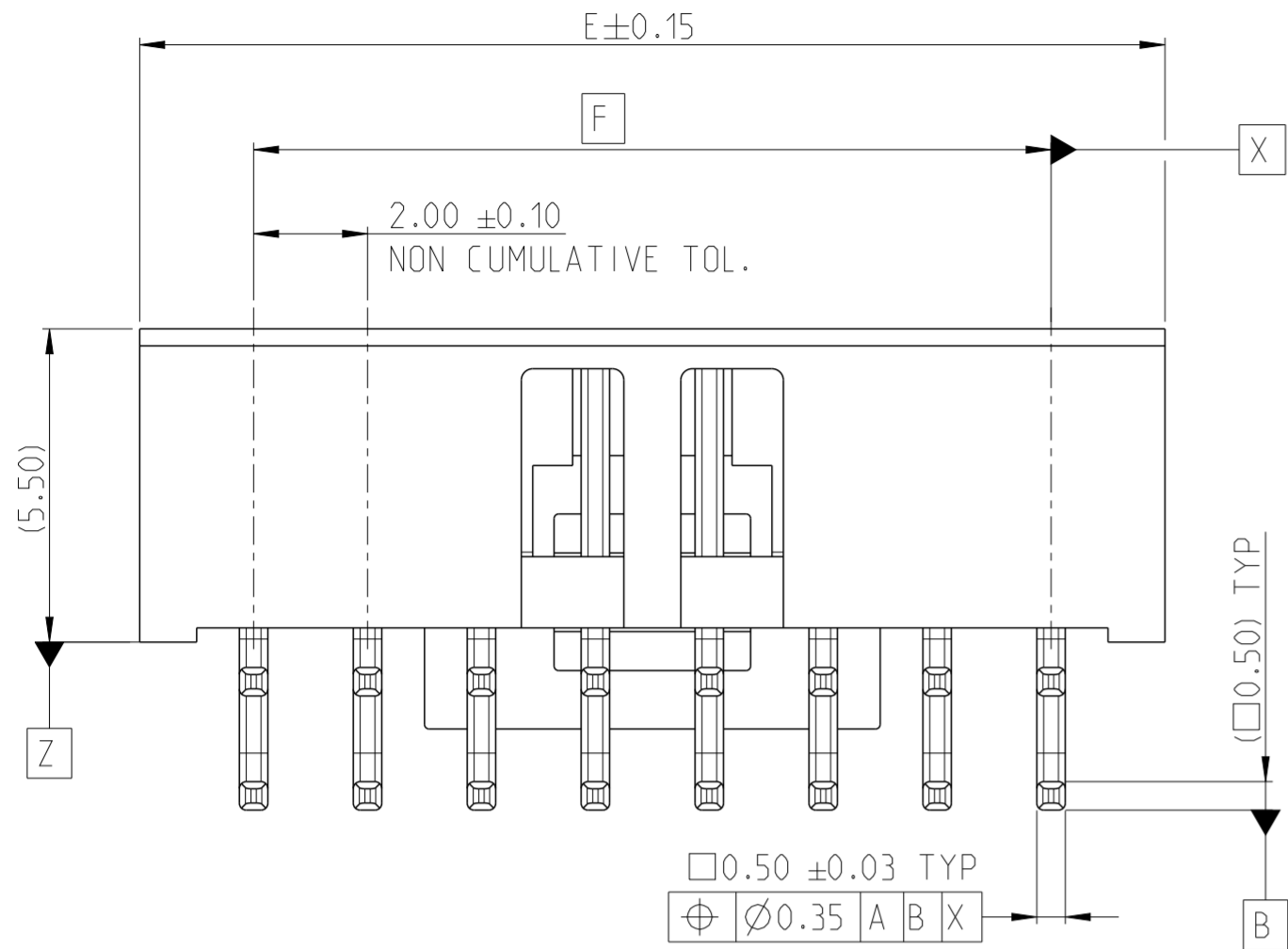


| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|----|-----|--|-----------|-----|------|
| A2 | | T&R W/CAP AND TUBE W/CAP PACKAGING: NO PICK AND PLACE CAP FOR -4 POS. | 02JUL2021 | DK | PS |
| A3 | | HOUSING CAVITY CORNER CHAMFER ADDED & CENTER STAND OFF REMOVED SMART PN NOMENCLATURE ADDED | 07OCT2021 | DK | PS |
| A4 | | PIN TP CHANGE : SOLDER SIDE 0.35 ADDITIONAL DATUM REFERENCE ADD & CHANGE | 02FEB2022 | DK | PS |
| A5 | | BASE NO ADDED WITH REFERENCE TO THE SMART PN | 03NOV2023 | Ka | SS |



| DESCRIPTION | ITEM |
|-------------|------|
| CAP | 4 |
| POST 2 | 3 |
| POST 1 | 2 |
| HOUSING | 1 |

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-HSD-D__-HT-__-__-__). REFER SHEET 2 NOMENCLATURE.

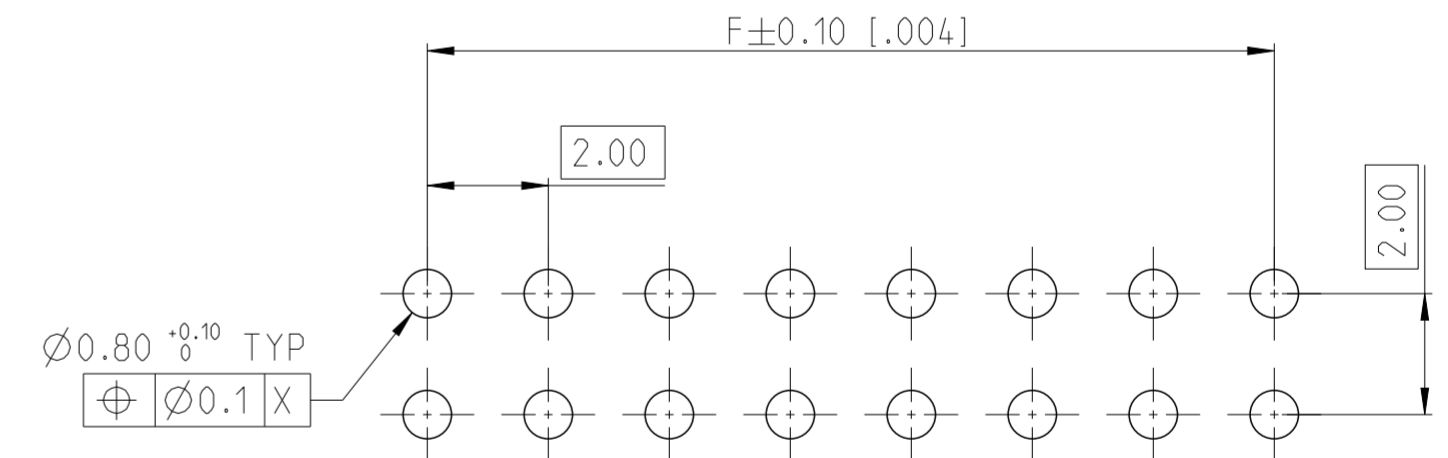
FOR EXAMPLE: 2MM-HSD-D02-HT-01-T-TB = 4 POSITION.
2MM-HSD-D25-HT-01-T-TB = 50 POSITION.

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

8 FOR T&R W/CAP AND TUBE W/CAP PACKAGING:
NO PICK AND PLACE CAP FOR -4 POS. HEADER.
HEADER POSITION STARTS FROM -6 POS.

9 PLATING THICKNESS MEASUREMENT POINT REFERENCE FORM SELECTIVE GOLD PLATING AREA

10. "L" DENOTES TAIL LENGTH



RECOMMENDED PCB HOLE PATTERN FOR THROUGH HOLE WAVE

| | | | | |
|--|---------------------|---------------------------------|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN 11FEB2016 RAKSHITH NAYAK | TE Connectivity | |
| DIMENSIONS: mm | | CHK 01APR2016 KARTHIK J K | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD 01APR2016 PRASHANTH S | NAME AMPMODU 2mm SHROUDED HEADER, DUAL ROW, RIGHT ANGLE | |
| 0 PLC ± | 1 PLC ±0.1 | PRODUCT SPEC 108-64040 | SIZE A2 | CAGE CODE 00779 |
| 2 PLC ±0.05 | 3 PLC ± | APPLICATION SPEC 114-64040 | DRAWING NO C-2823351 | RESTRICTED TO - |
| 4 PLC ± | ANGLES ±2° | WEIGHT - | SCALE 8:1 | SHEET 1 OF 3 |
| MATERIAL SEE NOTES | FINISH SEE NOTES | CUSTOMER DRAWING | REV A5 | |

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

SMART PART NUMBER
 2MM - HSD - D _ _ - HT - _ _ - _ _ - _ _

PRODUCT SERIES

2MM | AMPMODU 2mm series

GENDER / TYPE

HSD | Shrouded headers for detent latch

NUMBER OF ROWS

D | Double row

NUMBER OF PINS PER ROW

XX | 02 through 16,20,22,25
(enter two digits)

ORIENTATION & TERMINATION

HT | Horizontal through hole

PACKAGING

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

PLATING

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


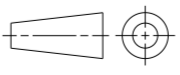
TAIL LENGTH

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

SMART PN EXAMPLES :

1. AMPMODU 2MM, SHROUDED HEADER STD VERSION, DOUBLE ROW, 02 POSITION PER ROW, RIGHT ANGLE MOUNT, 2.2MM SOLDER TAIL LENGTH, TIN PLATING, TUBE W/O CAP
2MM-HSD-D02-HT-01-T-TB
2. AMPMODU 2MM, SHROUDED HEADER STD VERSION, DOUBLE ROW, 25 POSITION PER ROW, RIGHT ANGLE MOUNT, 2.8MM SOLDER TAIL LENGTH, 0.76µm SELECTIVE GOLD PLATING, TAPE AND REEL WITH CAP
2MM-HSD-D25-HT-01-H-TRP

THIS PRINT IS
PRELIMINARY
 UNQUALIFIED PRODUCT
 CONTACT PRODUCT ENGINEERING
 BEFORE USING THIS PRINT


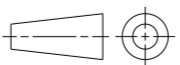
| | | | | | |
|--|--|------------------------------------|---|--------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN RAKSHITH NAYAK 11FEB2016 |  TE Connectivity | | |
| DIMENSIONS: mm | | CHK KARTHIK J K 01APR2016 | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.1 2 PLC ±0.05 3 PLC ± 4 PLC ± ANGLES ±2° | | APVD PRASHANTH S 01APR2016 | NAME AMPMODU 2mm SHROUDED HEADER, DUAL ROW, RIGHT ANGLE | | |
|  | | PRODUCT SPEC 108-64040 | RESTRICTED TO - | | |
| MATERIAL SEE NOTES | | APPLICATION SPEC 114-64040 | SIZE A2 | CAGE CODE 00779 | DRAWING NO C-2823351 |
| WEIGHT - | | CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 3 | REV A5 |

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 |
|----------------------|----------------------|--|------------------------|-------------------------|
| 2823351 | TUBE W/O CAP | TIN $\triangle 2$ | 2.8 | 2MM-HSD-DXX-HT-02-T-TB |
| 2823891 | TUBE W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-T-TBP |
| 2823525 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-T-TRP |
| 2823352 | TUBE W/O CAP | | 2.2 | 2MM-HSD-DXX-HT-01-T-TB |
| 2823899 | TUBE W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-T-TBP |
| 2823521 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-T-TRP |
| 2823354 | TUBE W/O CAP | SELECTIVE Au flash 0.1 μ m $\triangle 3$ | 2.8 | 2MM-HSD-DXX-HT-02-F-TB |
| 2823892 | TUBE W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-F-TBP |
| 2823526 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-F-TRP |
| 2823355 | TUBE W/O CAP | | 2.2 | 2MM-HSD-DXX-HT-01-F-TB |
| 2823900 | TUBE W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-F-TBP |
| 2823522 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-F-TRP |
| 2823357 | TUBE W/O CAP | SELECTIVE Au 0.38 μ m $\triangle 4$ | 2.8 | 2MM-HSD-DXX-HT-02-M-TB |
| 2823893 | TUBE W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-M-TBP |
| 2823527 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-M-TRP |
| 2823358 | TUBE W/O CAP | | 2.2 | 2MM-HSD-DXX-HT-01-M-TB |
| 2823901 | TUBE W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-M-TBP |
| 2823523 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-M-TRP |
| 2823360 | TUBE W/O CAP | SELECTIVE Au 0.76 μ m $\triangle 5$ | 2.8 | 2MM-HSD-DXX-HT-02-H-TB |
| 2823894 | TUBE W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-H-TBP |
| 2823528 | TAPE AND REEL W/ CAP | | 2.8 | 2MM-HSD-DXX-HT-02-H-TRP |
| 2823361 | TUBE W/O CAP | | 2.2 | 2MM-HSD-DXX-HT-01-H-TB |
| 2823902 | TUBE W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-H-TBP |
| 2823524 | TAPE AND REEL W/ CAP | | 2.2 | 2MM-HSD-DXX-HT-01-H-TRP |

| | | | | | |
|---------|---------|-------------------|------------------------|----------------------|----|
| 48 | 52 | 25 | 50 | 5- | -0 |
| 42 | 46 | 22 | 44 | 4- | -4 |
| 38 | 42 | 20 | 40 | 4- | -0 |
| 30 | 34 | 16 | 32 | 3- | -2 |
| 28 | 32 | 15 | 30 | 3- | -0 |
| 26 | 30 | 14 | 28 | 2- | -8 |
| 24 | 28 | 13 | 26 | 2- | -6 |
| 22 | 26 | 12 | 24 | 2- | -4 |
| 20 | 24 | 11 | 22 | 2- | -2 |
| 18 | 22 | 10 | 20 | 2- | -0 |
| 16 | 20 | 9 | 18 | 1- | -8 |
| 14 | 18 | 8 | 16 | 1- | -6 |
| 12 | 16 | 7 | 14 | 1- | -4 |
| 10 | 14 | 6 | 12 | 1- | -2 |
| 8 | 12 | 5 | 10 | 1- | -0 |
| 6 | 10 | 4 | 8 | | -8 |
| 4 | 8 | 3 | 6 | | -6 |
| 2 | 6 | 2 | 4 | | -4 |
| DIM "F" | DIM "E" | PINS PER ROW "XX" | POSITION PER CONNECTOR | TE INTERNAL PART NO. | |

| | | | | |
|---|--|--|---|----------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN RAKSHITH NAYAK 11FEB2016 |  TE Connectivity | |
| | | CHK KARTHIK J K 01APR2016 | | |
| DIMENSIONS: mm | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD PRASHANTH S 01APR2016 |
|  | | 0 PLC ± | NAME AMPMODU 2mm SHROUDED HEADER, DUAL ROW, RIGHT ANGLE | |
| | | 1 PLC ±0.1 | PRODUCT SPEC 108-64040 | |
| | | 2 PLC ±0.05 | APPLICATION SPEC 114-64040 | |
| | | 3 PLC ± | SIZE A2 | |
| | | 4 PLC ± | CAGE CODE 00779 | |
| | | ANGLES ±2° | DRAWING NO C-2823351 | |
| MATERIAL SEE NOTES | | FINISH SEE NOTES | | RESTRICTED TO - |
| | | WEIGHT - | | SCALE 5:1 |
| | | CUSTOMER DRAWING | | SHEET 3 OF 3 |
| | | | | REV A5 |