

4

3

2

1

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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
2		INITIAL RELEASE	22JUN2016	RP PS
3		NOTE 8 AND 9 ADDED	09JUN2021	DK PS
4		HOUSING CAVITY CORNER CHAMFER ADDED & CENTER STAND OFF REMOVED SMART PN NOMENCLATURE ADDED	07OCT2021	DK PS

$E \pm 0.15$

(F)

(8.0)

2.00 ± 0.10 NON CUMULATIVE TOL.

(5.5)

$\square 0.50 \pm 0.03$ TYP

$\oplus \text{Ø} 0.15$ A B C

2.00 ± 0.10

(6.20)

A B C

(5.2)

3

4.0

MATING SIDE

1

2

$L \pm 0.15$

SOLDER SIDE

NOTES:

- MATERIAL
HOUSING & CAP : HIGH TEMPERATURE THERMOPLASTIC, UL94-V0; COLOR- BLACK
POST : PHOSPHOR BRONZE
- FINISH :
 $\triangle 2$ 3 - 5 μm TIN OVER MIN 1.27 μm NICKEL UNDER PLATING
 $\triangle 3$ MATING SIDE: MIN. 0.1 μm GOLD OVER MIN 1.27 μm NICKEL UNDER PLATING
 SOLDER SIDE: 4 - 6 μm TIN OVER MIN 1.27 μm NICKEL UNDER PLATING
 $\triangle 4$ MATING SIDE: MIN 0.38 μm GOLD OVER MIN 1.27 μm NICKEL UNDER PLATING
 SOLDER SIDE: 4 - 6 μm TIN OVER MIN 1.27 μm NICKEL UNDER PLATING
 $\triangle 5$ MATING SIDE: MIN 0.76 μm GOLD OVER MIN 1.27 μm NICKEL UNDER PLATING
 SOLDER SIDE: 4 - 6 μm TIN OVER MIN 1.27 μm NICKEL UNDER PLATING
- FOR SMART PART NUMBER, NO. OF POSITIONS PER CONNECTOR HAS TO BE ADDED NEXT TO NO. OF ROWS (2MM-HSD-D__-VT-__-__-__-). REFER SHEET 3 NOMENCLATURE.
 FOR EXAMPLE: 2MM-HSD-D02-VT-01-T-TB = 4 POSITION.
 2MM-HSD-D25-VT-01-T-TB = 50 POSITION.
- PACKAGING: A. TAPE & REEL WITH (W/) CAP.
 B. TUBE WITH (W/) AND WITHOUT (W/O) CAP.
 C. BOX (W/O) CAP.
- FOR TUBE PACKAGING W/CAP:
 NO PICK AND PLACE CAP FOR -4 POS. HEADER POSITION STARTS FROM -6 POS.
- PART NUMBER AVAILABLE UPON CUSTOMER REQUEST.

CAP	3
POST	2
HOUSING	1
DESCRIPTION	ITEM

$\text{Ø} 0.800 \pm 0.10$ TYP

$\oplus \text{Ø} 0.10$

$F \pm 0.10$

2.00

2.00

RECOMMENDED PCB HOLE PATTERN FOR THROUGH HOLE WAVE

$\text{Ø} 0.800 \pm 0.05$ TYP

$\oplus \text{Ø} 0.10$ (FINISHED HOLE)

$F \pm 0.10$

2.00

2.00

$\text{Ø} 1.20$ MIN TYP (PAD)

RECOMMENDED PCB HOLE PATTERN FOR THROUGH HOLE REFLOW / PIN-IN-PASTE

-4 AS SHOWN

-8 AS SHOWN

1- -6 AS SHOWN

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CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 11FEB2016 RAKSHITH NAYAK	TE Connectivity	
DIMENSIONS: mm		CHK 31MAR2016 KARTHIK J K		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 31MAR2016 PRASHANTH S	NAME AMPMODU 2mm SHROUDED HEADER DUAL ROW, VERTICAL	
0 PLC \pm	1 PLC ± 0.1	PRODUCT SPEC 108-64040	SIZE A2	CAGE CODE 00779
2 PLC ± 0.05	3 PLC \pm	APPLICATION SPEC 114-64040	DRAWING NO C-2823335	RESTRICTED TO -
4 PLC \pm	ANGLES $\pm 2^\circ$	WEIGHT -	SCALE 8:1	SHEET 1 OF 3
MATERIAL SEE NOTES	FINISH SEE NOTES	CUSTOMER DRAWING	REV 4	


1471-9 (3/13)

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

48	52	50
42	46	44
38	42	40
30	34	32
28	32	30
26	30	28
24	28	26
22	26	24
20	24	22
18	22	20
16	20	18
14	18	16
12	16	14
10	14	12
8	12	10
6	10	8
4	8	6
2	6	4
DIM "F"	DIM "E"	POSITION PER CONNECTOR

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DIMENSIONS: mm		CHK KARTHIK J K 31MAR2016				
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.1 2 PLC ±0.05 3 PLC ± 4 PLC ± ANGLES ±2°		APVD PRASHANTH S 31MAR2016	NAME AMPMODU 2mm SHROUDED HEADER DUAL ROW, VERTICAL			
MATERIAL SEE NOTES		PRODUCT SPEC 108-64040	SIZE A2	CAGE CODE 00779	DRAWING NO C-2823335	RESTRICTED TO -
FINISH SEE NOTES		APPLICATION SPEC 114-64040	SCALE 6:1		SHEET 2 OF 3	REV 4
		WEIGHT -	CUSTOMER DRAWING			

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

SMART PART NUMBER
 2MM - HSD - D - VT - - - - -

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

VT | Vertical through hole

PACKAGING

TB	Tube without cap	
TBP	Tube with cap	8
TRP	Tape and reel with cap	
BX	Box	9

PLATING

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


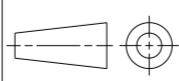
TAIL LENGTH

01	2.2 mm
02	2.8 mm
03	3.4 mm

SMART PN EXAMPLES :

1. AMPMODU 2MM, SHROUDED HEADER STD VERSION, DOUBLE ROW, 02 POSITION PER ROW, VERTICAL MOUNT, 2.2MM SOLDER TAIL LENGTH, TIN PLATING, TUBE W/O CAP
2MM-HSD-D02-VT-01-T-TB
2. AMPMODU 2MM, SHROUDED HEADER STD VERSION, DOUBLE ROW, 25 POSITION PER ROW, VERTICAL MOUNT, 3.4MM SOLDER TAIL LENGTH, 0.76µm GOLD PLATING, BOX PACKAGING
2MM-HSD-D25-VT-03-H-BX

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		PRODUCT SPEC 108-64040	RESTRICTED TO -	
MATERIAL SEE NOTES		APPLICATION SPEC 114-64040	SIZE A2	CAGE CODE 00779
FINISH SEE NOTES		WEIGHT -	DRAWING NO C=2823335	
		CUSTOMER DRAWING	SCALE 1:1	SHEET 3 OF 3
			REV 4	

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