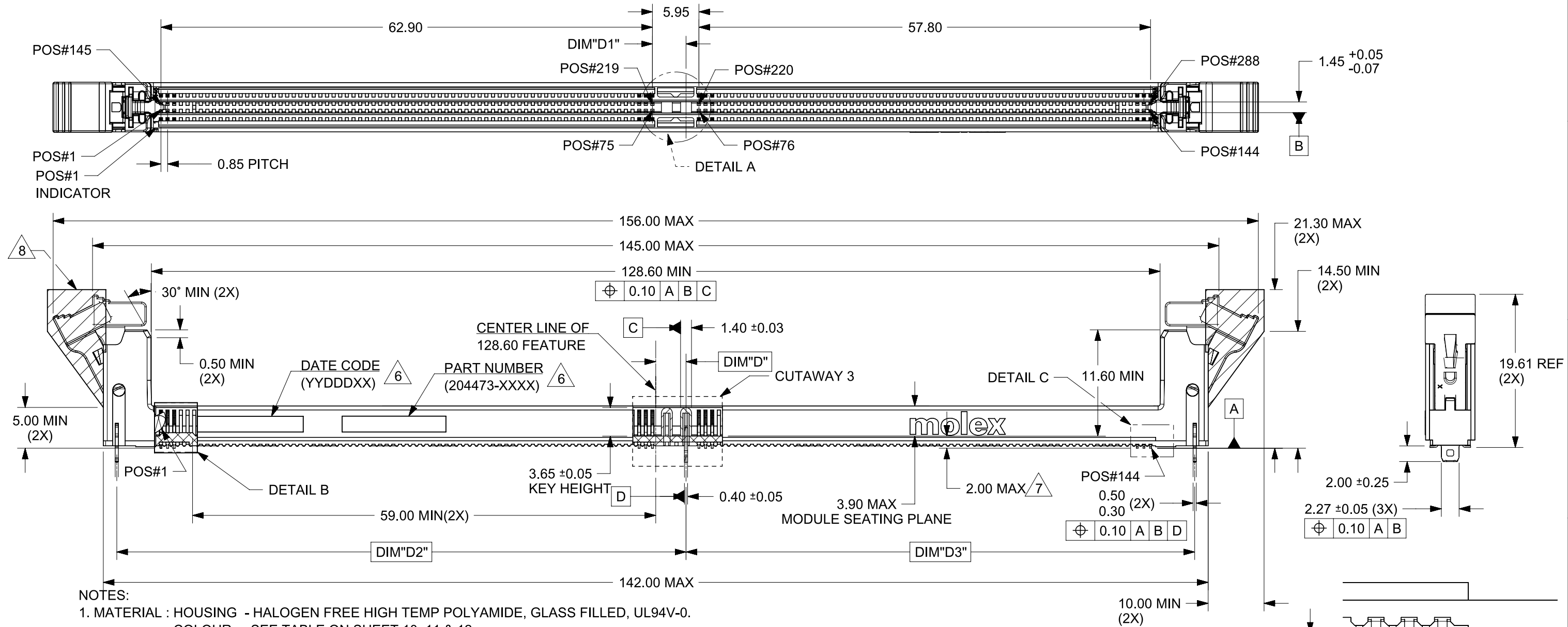
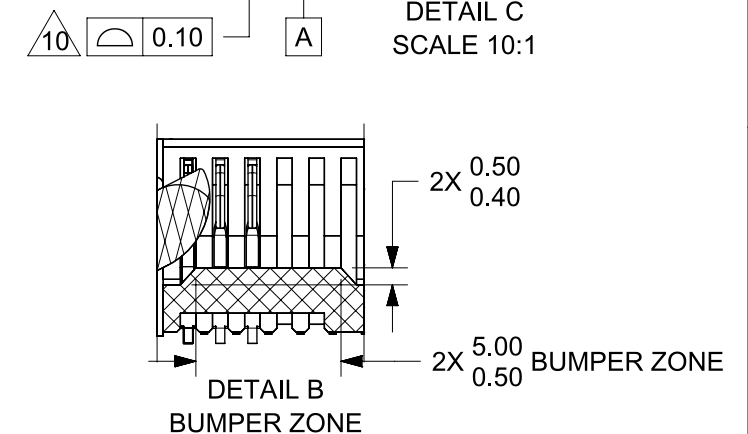
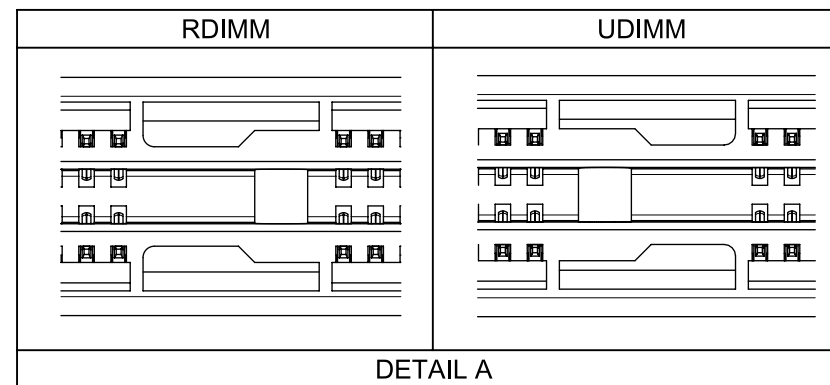


DDR5 288 CKTS CONNECTOR



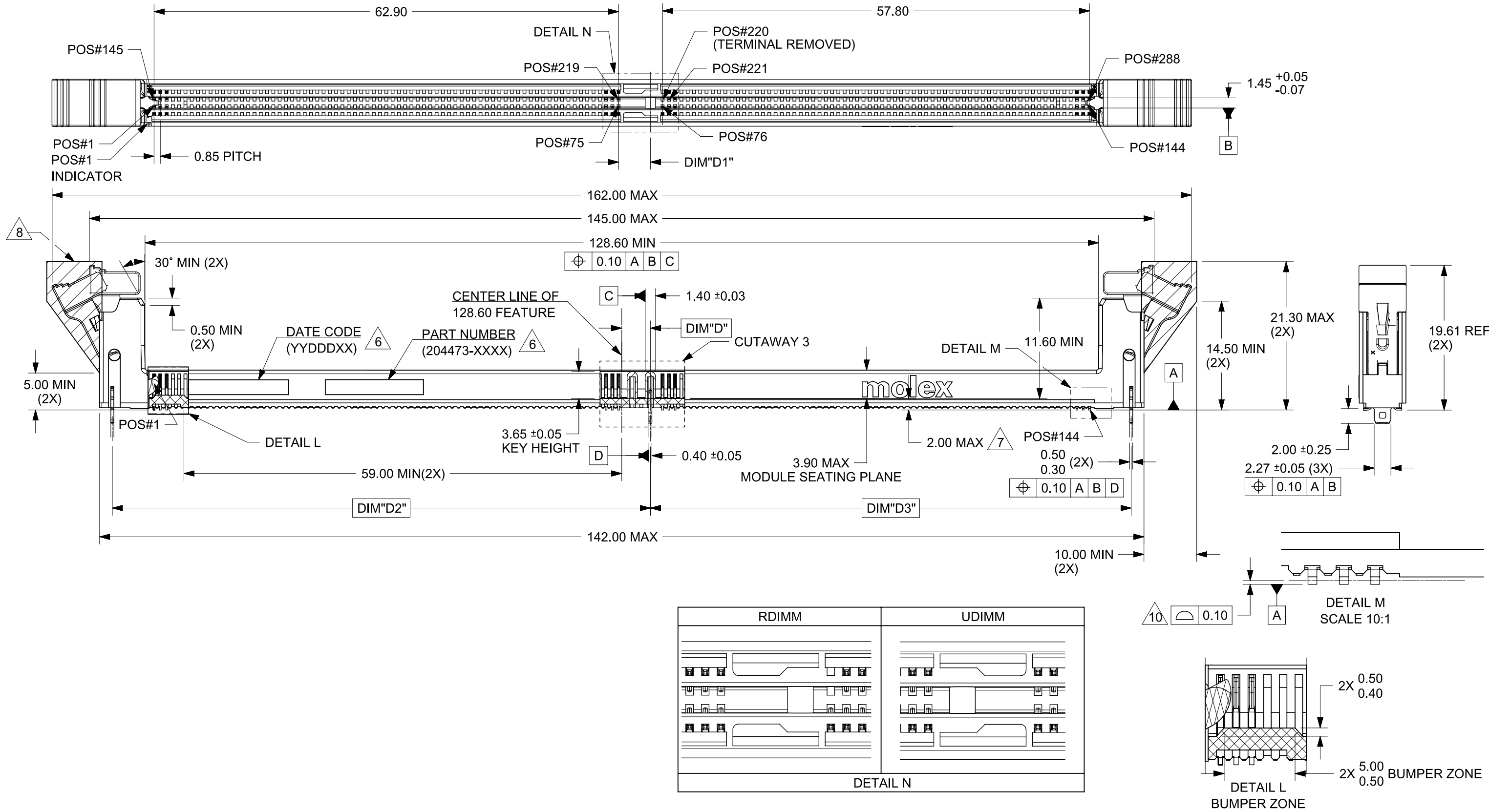
1. MATERIAL : HOUSING - HALOGEN FREE HIGH TEMP POLYAMIDE, GLASS FILLED, UL94V-0.
COLOUR : SEE TABLE ON SHEET 10, 11 & 12.
LATCH - HALOGEN FREE HIGH TEMP POLYAMIDE, GLASS FILLED, UL94V-0.
COLOUR : SEE TABLE ON SHEET 10, 11 & 12.
TERMINAL : COPPER ALLOY.
METALTAB: COPPER ALLOY.

2. FINISHES - SEE TABLE ON SHEET 10, 11 & 12.
3. PRODUCT SPECIFICATION : SEE TABLE ON SHEET 10, 11 & 12.
4. PACKAGING SPECIFICATION: PRODUCT SHALL BE PACKED IN TRAY,
SEE SHEET 10, 11 & 12.
5. CARD(FOLLOWS MO-329) SLOT ACCEPTS 1.27 ± 0.10 MM MODULE THICKNESS
(MEASURED OVER P.C. PADS).
6. MOLEX LOGO, DATE & PART NO. INDICATED ON HOUSING.
7. MODULE SEATING PLANE.
8. KEEP OUT ZONE RESERVED FOR LATCH.
9. KEEP OUT AREA IS THE AREA (2X SHADED AREAS) WHERE THE HIGHT OF COMPONENTS
IS LESS THAN 5.00MM.
10. COPLANARITY MEASUREMENTS ARE MADE BY PLACING THE CONNECTOR ONTO
A FLAT STEEL SURFACE.
11. REFER TO 2044730000-AS FOR CONNECTOR APPLICATION GUIDELINE.
12. REFER TO 2044730002-AS FOR PCB ROUTING RECOMMENDATIONS.
13. THE DIMENSION ONLY APPLIES TO THE MODULE AREA AS INDICATED ABOVE THE NOTCH
14. KEEP OUT AREA IS THE AREA (5X SHADED AREAS) WHERE THE CONNECTOR IS MOUNTED
ON THE PCB. NO OTHER COMPONENTS ALLOWED TO BE ASSEMBLED ON PCB.
15. NO PASTE AREA IS RESTRICT AREA (4X SHADED AREAS) WHERE PCB MOUNTED WITH SOLDER
NOT ALLOW ANY SOLDER FROM AREA OF FORKLICK.



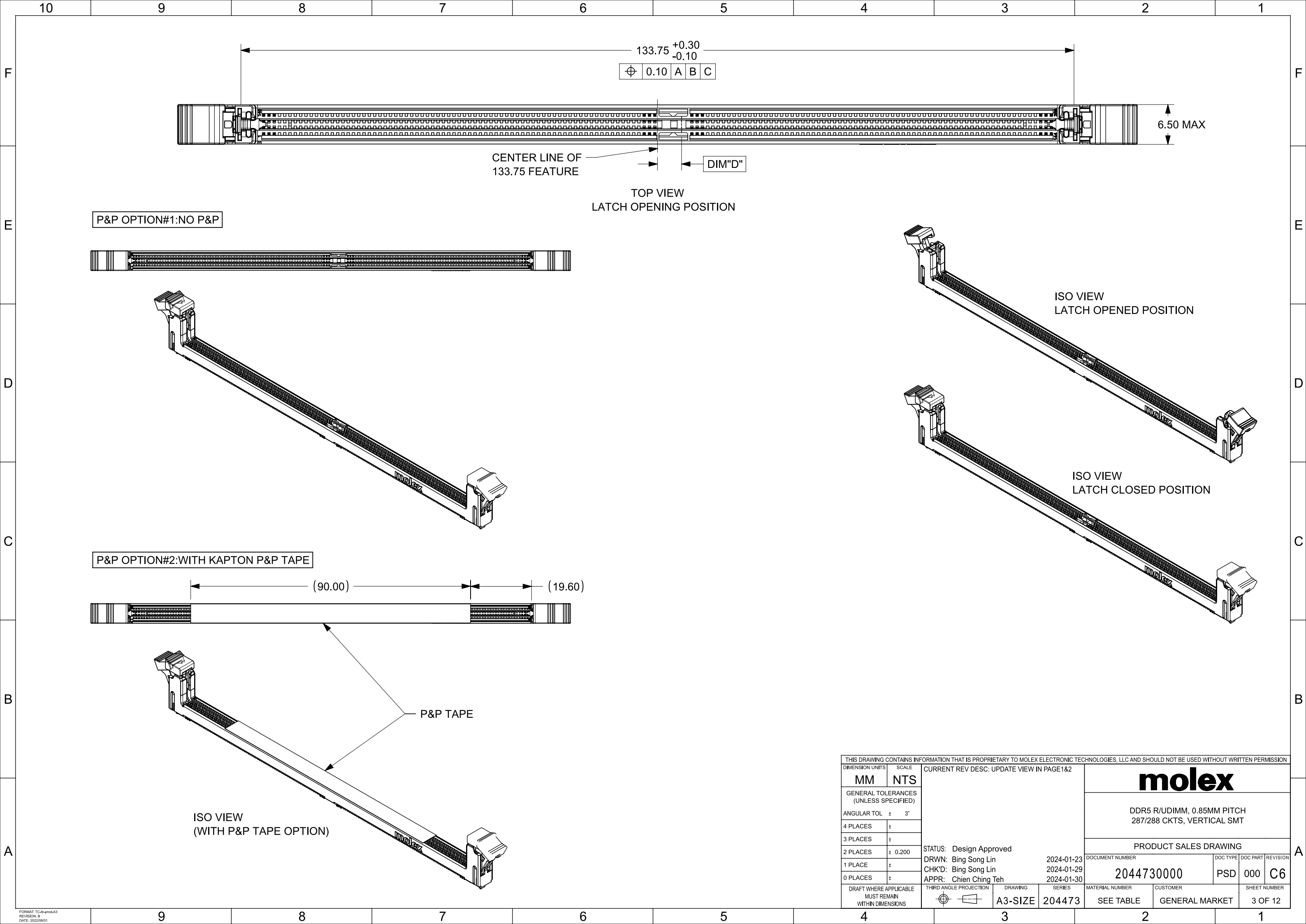
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE 1&2				molex DDR5 R/UDIMM, 0.85MM PITCH 287/288 CKTS, VERTICAL SMT PRODUCT SALES DRAWING												
MM		NTS																		
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Design Approved DRWN: Bing Song Lin 2024-01-23 CHK'D: Bing Song Lin 2024-01-29 APPR: Chien Ching Teh 2024-01-30										DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
ANGULAR TOL ± 3°														20244730000		PSD	000	C6		
4 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
3 PLACES		±								A3-SIZE		2024473		SEE TABLE		GENERAL MARKET		1 OF 12		
2 PLACES		± 0.200																		
1 PLACE		±																		
0 PLACES		±																		

DDR5 287 CKTS CONNECTOR

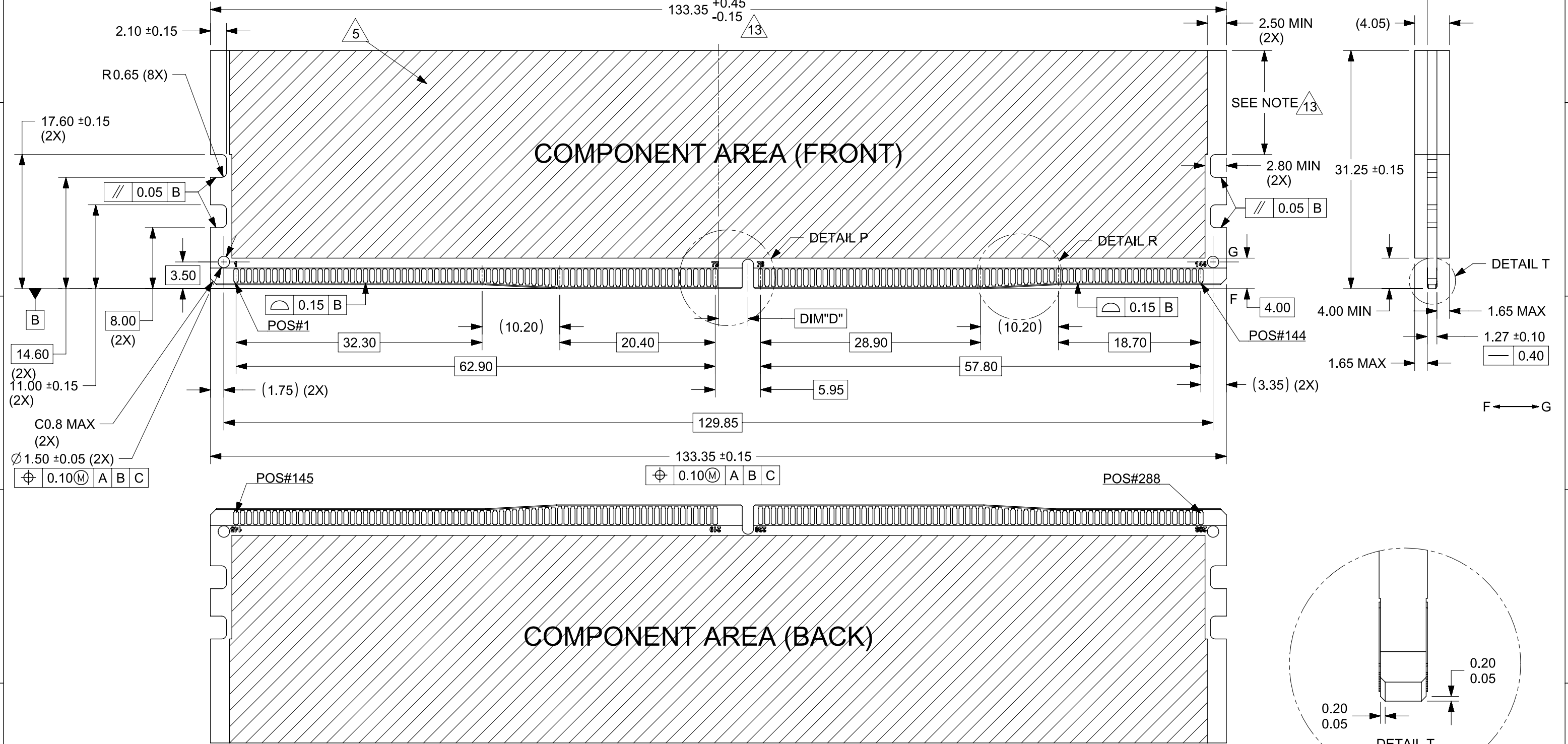


RDIMM	UDIMM
DETAIL N	

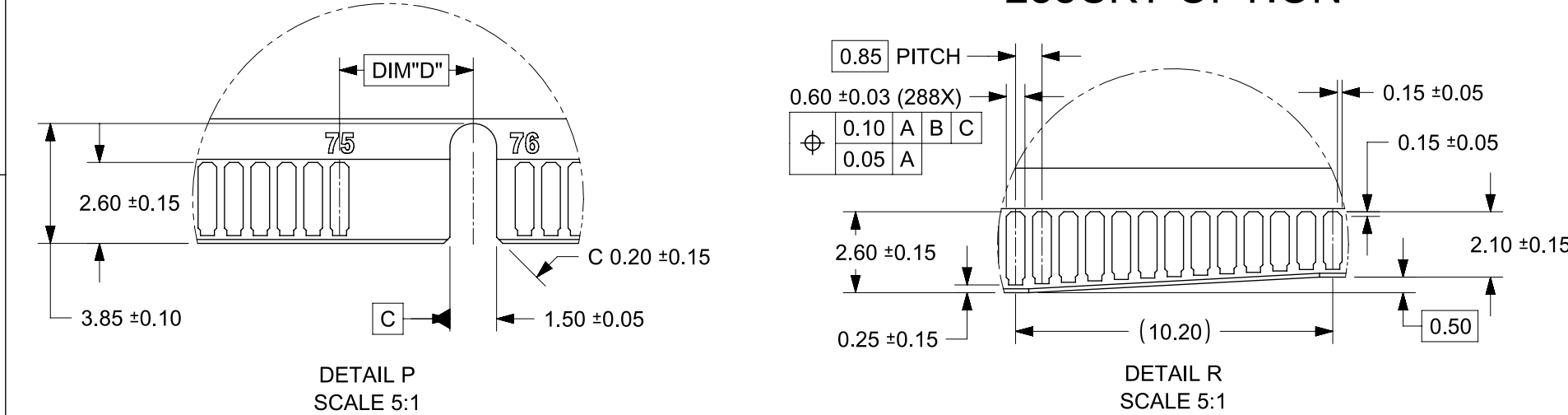
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE1&2					
MM		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3°									
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.200							
1 PLACE		±							
0 PLACES		±							
STATUS: Design Approved DRWN: Bing Song Lin									

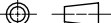


MODULE CARD - FOLLOWS MO-329 (288 CKT)

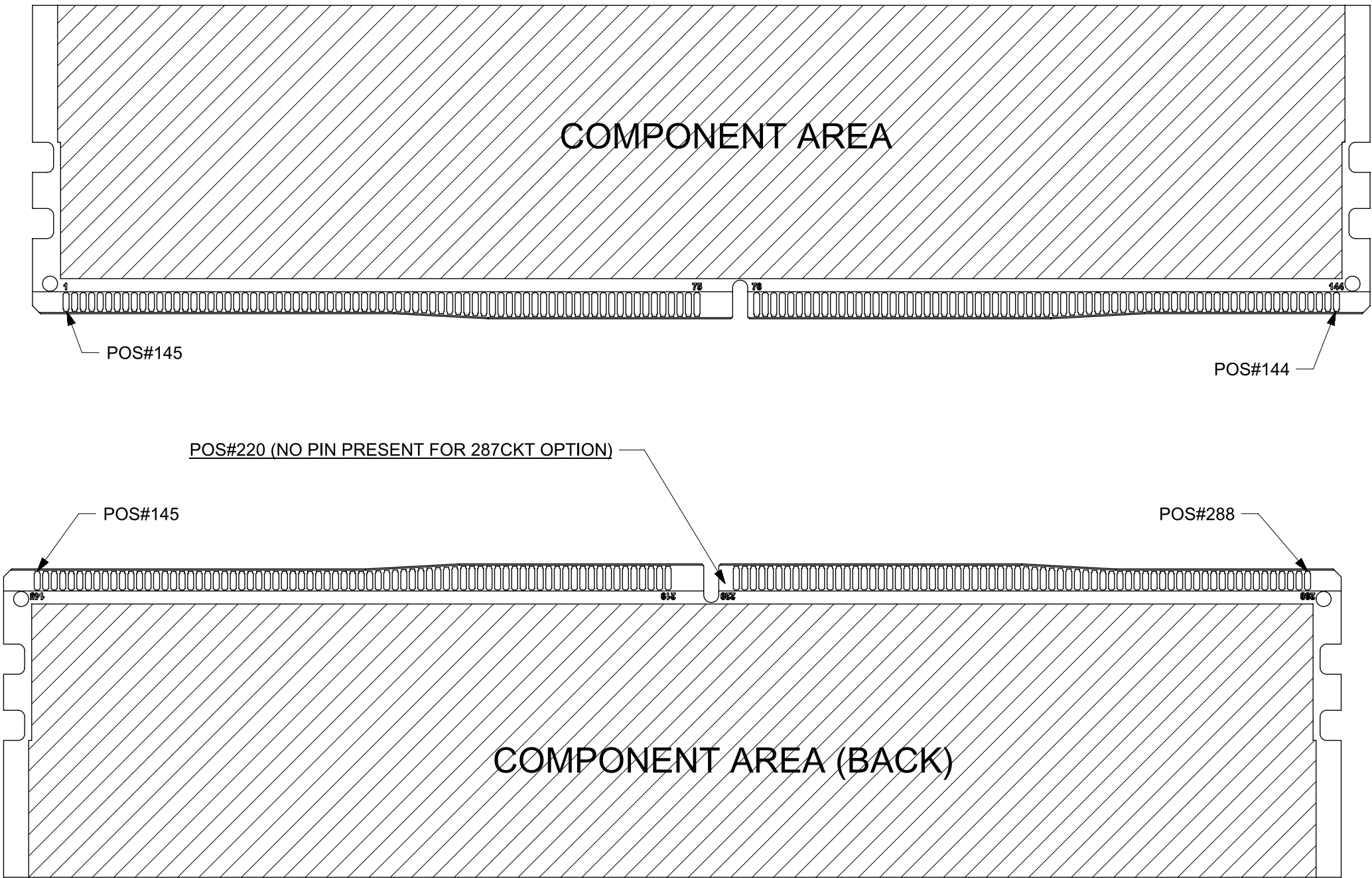


288CKT OPTION



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE1&2									
MM		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex DDR5 R/UDIMM, 0.85MM PITCH 287/288 CKTS, VERTICAL SMT									
ANGULAR TOL ± 3°													
4 PLACES		±		STATUS: Design Approved									
3 PLACES		±											
2 PLACES		± 0.200		DRWN: Bing Song Lin 2024-01-23 CHK'D: Bing Song Lin 2024-01-29 APPR: Chien Ching Teh 2024-01-30									
1 PLACE		±											
0 PLACES		±		DOCUMENT NUMBER 2044730000 DOC TYPE PSD DOC PART 000 REVISION C6									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		204473		SEE TABLE		GENERAL MARKET		4 OF 12	

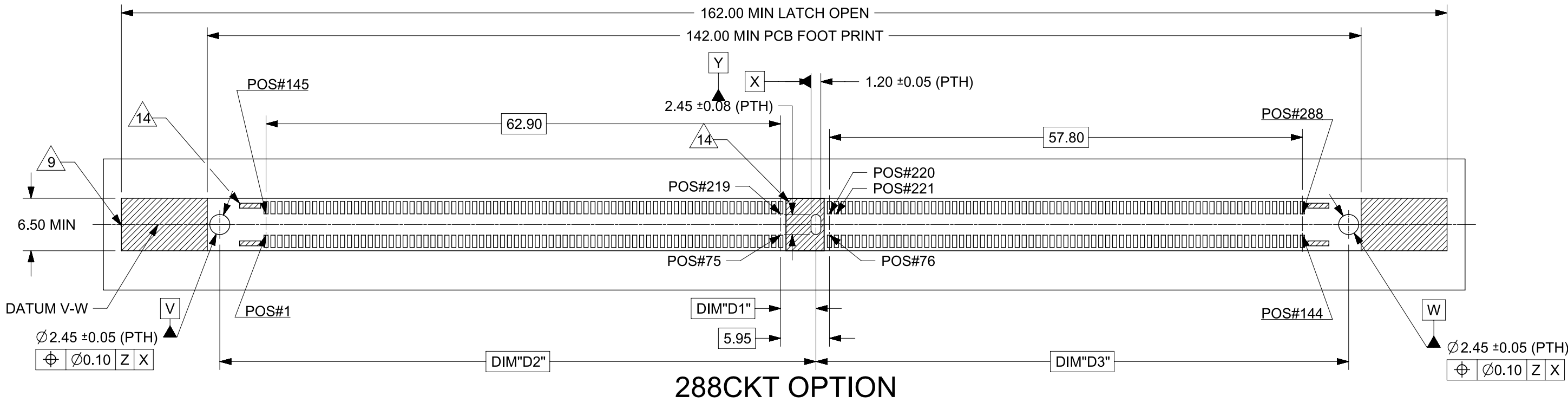
MODULE CARD - FOLLOWS MO-329 (287 CKT)



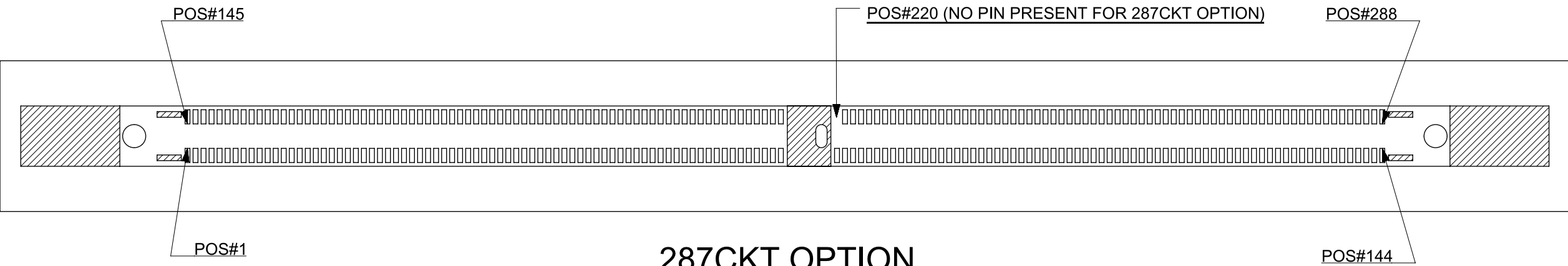
287CKT OPTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE1&2											
MM		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex DDR5 R/UDIMM, 0.85MM PITCH 287/288 CKTS, VERTICAL SMT PRODUCT SALES DRAWING											
ANGULAR TOL		± 3°													
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.200													
1 PLACE		±		STATUS: Design Approved DRWN: Bing Song Lin 2024-01-23 CHK'D: Bing Song Lin 2024-01-29 APPR: Chien Ching Teh 2024-01-30				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		±						2044730000		PSD		000		C6	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		204473		SEE TABLE		GENERAL MARKET		5 OF 12	

RECOMMENDED PCB FOOTPRINT (HOLE OPTION)



288CKT OPTION



287CKT OPTION

RECOMMENDED PCB THICKNESS: 1.57MM TO 3.18MM

RECOMMENDED PCB FOOTPRINT (OPTION1)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		current rev desc: update view in page1&2 molex DDR5 R/UDIMM, 0.85MM PITCH 287/288 CKTS, VERTICAL SMT PRODUCT SALES DRAWING DOCUMENT NUMBER 2044730000 DOC TYPE PSD DOC PART 000 REVISION C6 STATUS: Design Approved DRWN: Bing Song Lin2024-01-23 CHK'D: Bing Song Lin2024-01-29 APPR: Chien Ching Teh2024-01-30 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION  DRAWING A3-SIZE SERIES 204473 MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 6 OF 12					
MM		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3°									
4 PLACES ±									
3 PLACES ±									
2 PLACES ± 0.200									
1 PLACE ±									
0 PLACES ±									
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
		A3-SIZE		204473		SEE TABLE		GENERAL MARKET	
SHEET NUMBER		6 OF 12							

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

PASTE AREA(2X)

3.20

2.30

2.30

3.20

4.80

1.92

4.80

0.52 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

0.85 TYP

1.50 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

2.05

1.50

1.50

2.05

DATUM V-W

0.60 MIN. (4X)

2.42

2.57 MIN. (4X)

NO PASTE AREA (4X)
ADVICE:PCB SOLDER MASK

15

DETAIL G
SCALE 10:1
SIDE SOLDER PASTE AREA
(FOR 2X CIRCLE)

DIM"D4"

DIM"D5"

DETAIL H
SCALE 10:1
MIDDLE SOLDER PASTE AREA
(FOR 1X SLOT)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS		SCALE	
MM		NTS	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.200
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

204473

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 12

STATUS: Design Approved

DRWN: Bing Song Lin

CHK'D: Bing Song Lin

APPR: Chien Ching Teh

2024-01-23

2024-01-29

2024-01-30

DOCUMENT NUMBER

2044730000

DOC TYPE

PSD

DOC PART

000

REVISION

C6

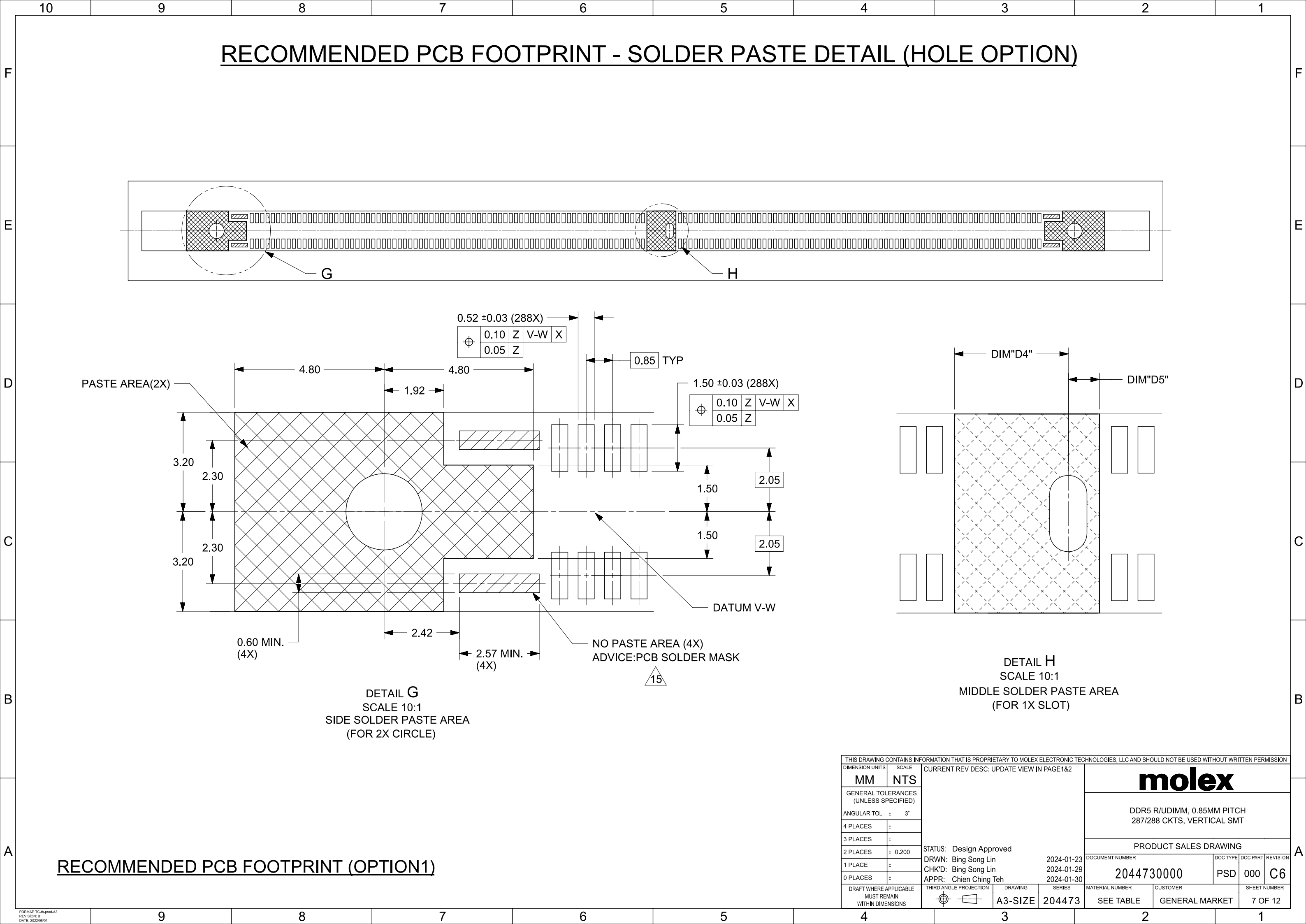
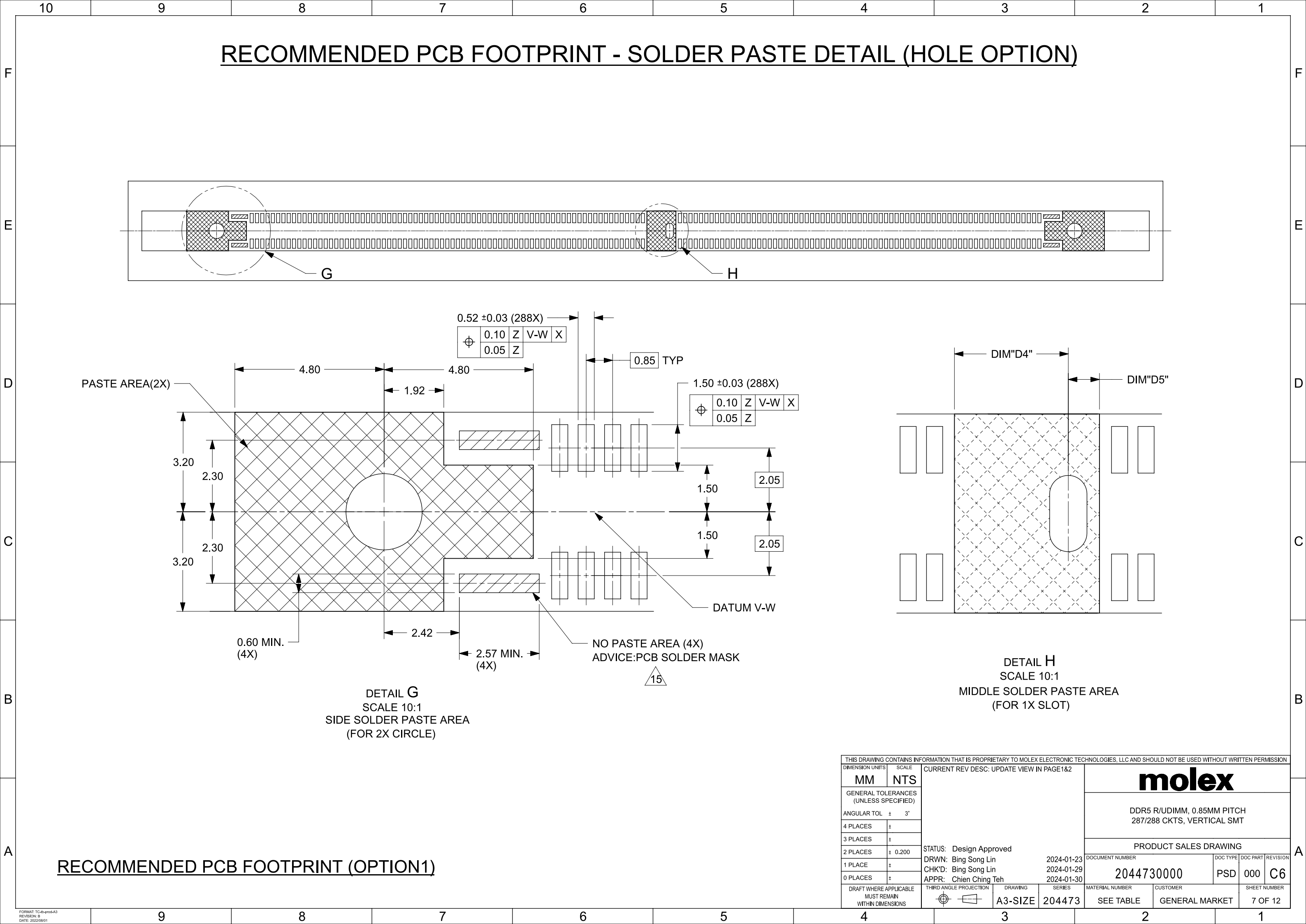
PRODUCT SALES DRAWING

DDR5 R/UDIMM, 0.85MM PITCH
287/288 CKTS, VERTICAL SMT

molex

RECOMMENDED PCB FOOTPRINT (OPTION1)

FORMAT: TC-40-prod-A3
REVISION: B
DATE: 2022/08/01



10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

PASTE AREA(2X)

3.20

2.30

2.30

3.20

4.80

1.92

4.80

0.52 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

0.85 TYP

1.50 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

2.05

1.50

1.50

2.05

DATUM V-W

0.60 MIN. (4X)

2.42

2.57 MIN. (4X)

NO PASTE AREA (4X)
ADVICE:PCB SOLDER MASK

15

DETAIL G
SCALE 10:1
SIDE SOLDER PASTE AREA
(FOR 2X CIRCLE)

DIM"D4"

DIM"D5"

DETAIL H
SCALE 10:1
MIDDLE SOLDER PASTE AREA
(FOR 1X SLOT)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS		SCALE	
MM	NTS		

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.200
1 PLACE	±
0 PLACES	±

STATUS: Design Approved	
DRWN: Bing Song Lin	2024-01-23
CHK'D: Bing Song Lin	2024-01-29
APPR: Chien Ching Teh	2024-01-30

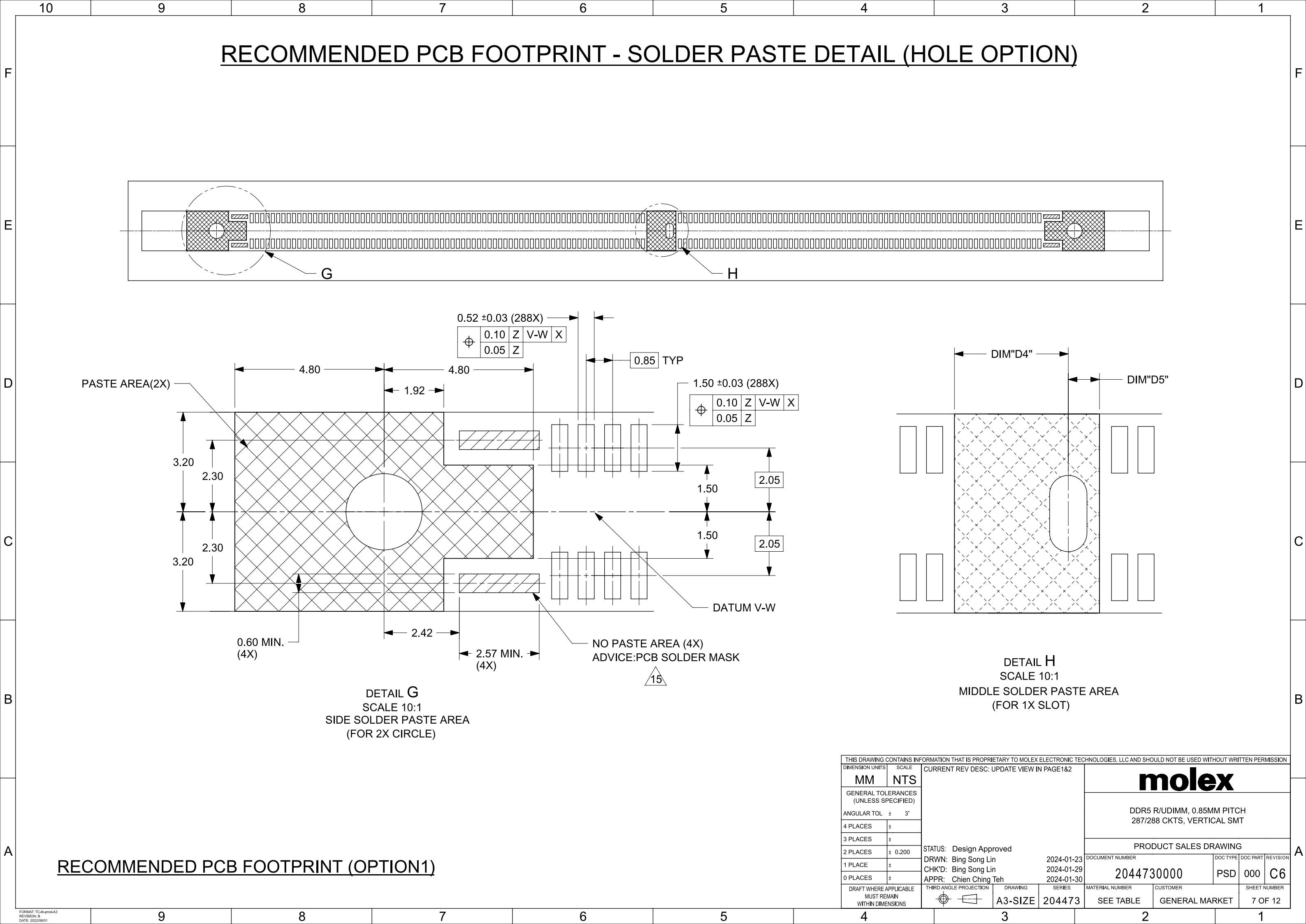
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DOCUMENT NUMBER	
2044730000	
DOC TYPE	
PSD	
DOC PART	
000	
REVISION	
C6	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
THIRD ANGLE PROJECTION	
DRAWING	
A3-SIZE	
SERIES	
204473	
MATERIAL NUMBER	
SEE TABLE	
CUSTOMER	
GENERAL MARKET	
SHEET NUMBER	
7 OF 12	

FORMAT: TC-40-prod-A3
REVISION: B
DATE: 2022/08/01

9 8 7 6 5 4 3 2 1

RECOMMENDED PCB FOOTPRINT (OPTION1)



10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

PASTE AREA(2X)

3.20

2.30

2.30

3.20

4.80

1.92

4.80

0.52 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

0.85 TYP

1.50 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

2.05

1.50

1.50

2.05

DATUM V-W

0.60 MIN. (4X)

2.42

2.57 MIN. (4X)

NO PASTE AREA (4X)
ADVICE:PCB SOLDER MASK

15

DETAIL G
SCALE 10:1
SIDE SOLDER PASTE AREA
(FOR 2X CIRCLE)

DIM"D4"

DIM"D5"

DETAIL H
SCALE 10:1
MIDDLE SOLDER PASTE AREA
(FOR 1X SLOT)

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DIMENSION UNITS		SCALE	
MM		NTS	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.200
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

204473

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 12

STATUS: Design Approved

DRWN: Bing Song Lin

CHK'D: Bing Song Lin

APPR: Chien Ching Teh

2024-01-23

2024-01-29

2024-01-30

DOCUMENT NUMBER

2044730000

DOC TYPE

PSD

DOC PART

000

REVISION

C6

PRODUCT SALES DRAWING

DDR5 R/UDIMM, 0.85MM PITCH
287/288 CKTS, VERTICAL SMT

RECOMMENDED PCB FOOTPRINT (OPTION1)

FORMAT: TC-40-prod-A3
REVISION: B
DATE: 2022/08/01

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

PASTE AREA(2X)

3.20

2.30

2.30

3.20

4.80

1.92

4.80

0.52 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

0.85 TYP

1.50 ±0.03 (288X)

0.10 Z V-W X

0.05 Z

2.05

1.50

1.50

2.05

DATUM V-W

0.60 MIN. (4X)

2.42

2.57 MIN. (4X)

NO PASTE AREA (4X)
ADVICE:PCB SOLDER MASK

15

DETAIL G
SCALE 10:1
SIDE SOLDER PASTE AREA
(FOR 2X CIRCLE)

DIM"D4"

DIM"D5"

DETAIL H
SCALE 10:1
MIDDLE SOLDER PASTE AREA
(FOR 1X SLOT)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS		SCALE	
MM		NTS	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.200
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

204473

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 12

STATUS: Design Approved

DRWN: Bing Song Lin

CHK'D: Bing Song Lin

APPR: Chien Ching Teh

2024-01-23

2024-01-29

2024-01-30

DOCUMENT NUMBER

2044730000

DOC TYPE

PSD

DOC PART

000

REVISION

C6

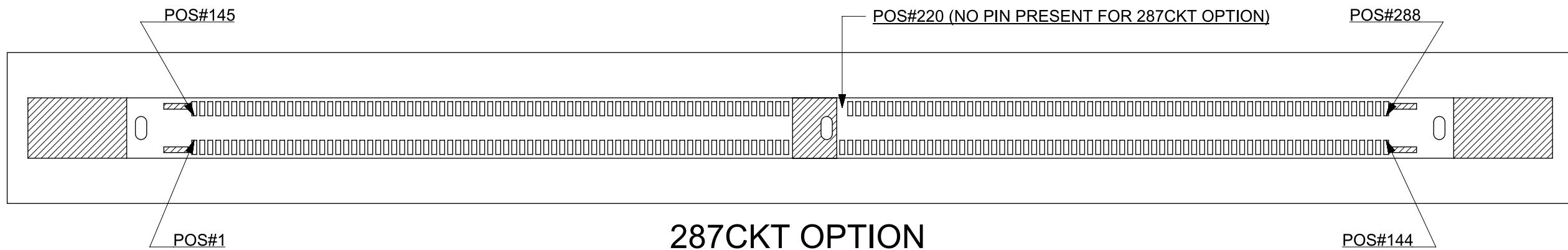
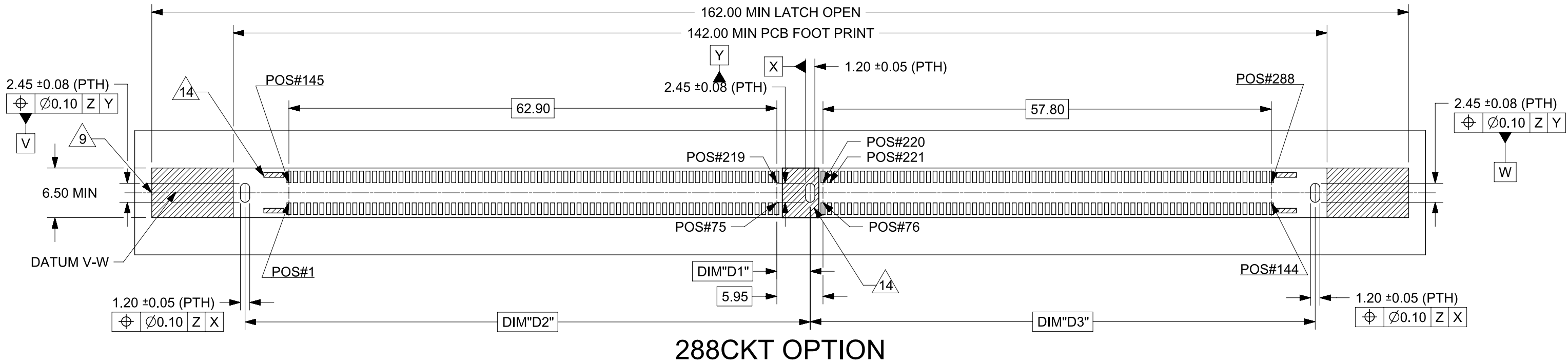
PRODUCT SALES DRAWING

DDR5 R/UDIMM, 0.85MM PITCH
287/288 CKTS, VERTICAL SMT

RECOMMENDED PCB FOOTPRINT (OPTION1)

FORMAT: TC-40-prod-A3
REVISION: B
DATE: 2022/08/01

RECOMMENDED PCB FOOTPRINT (SLOT OPTION)

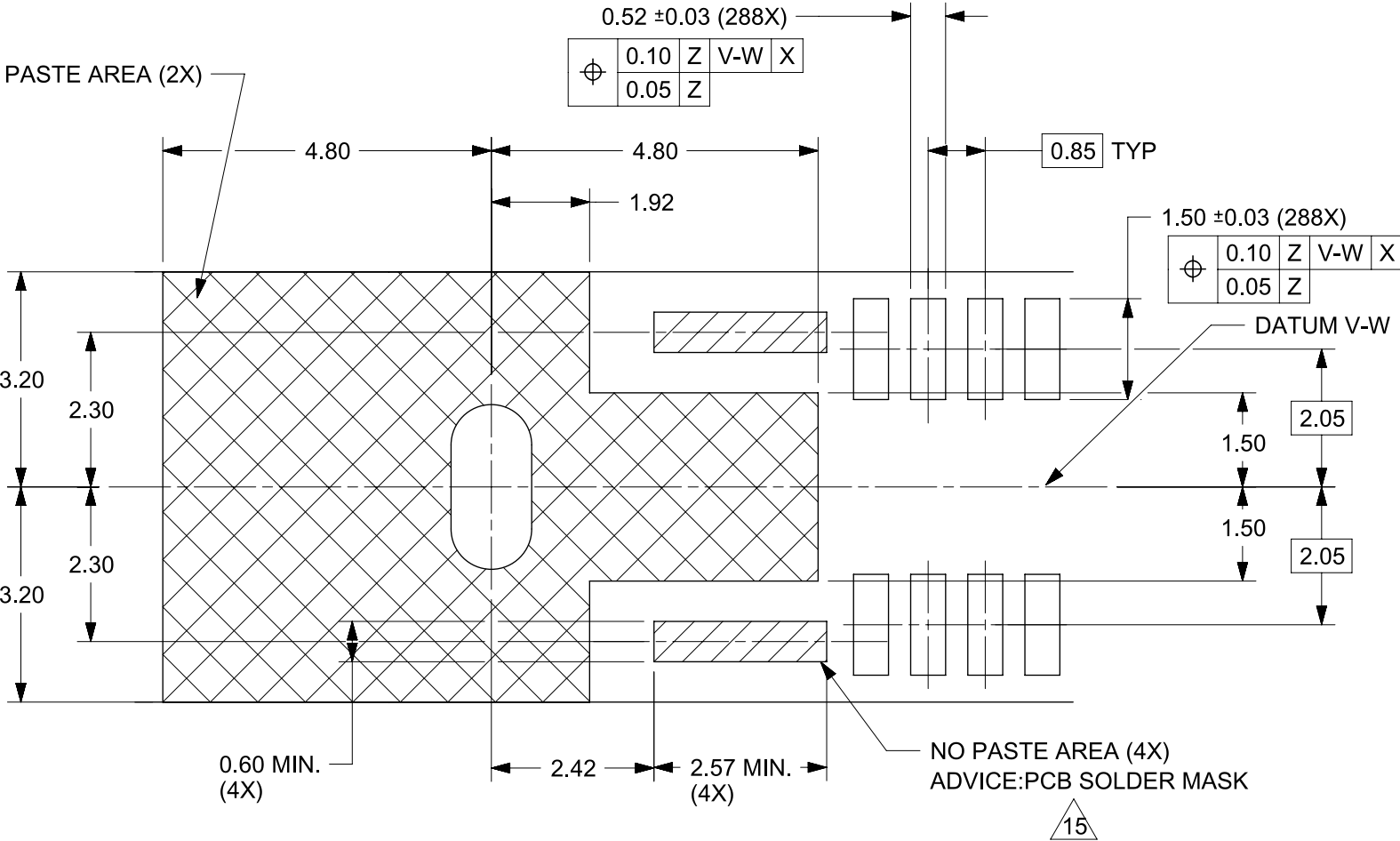
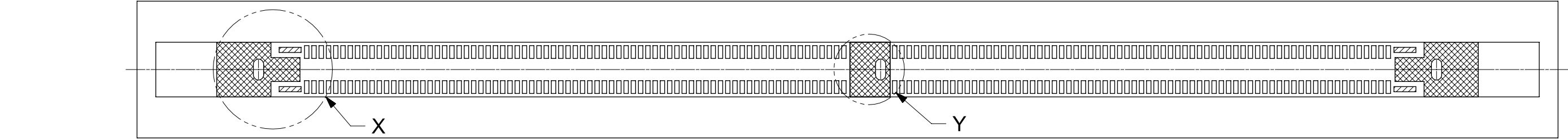


RECOMMENDED PCB THICKNESS: 1.57MM TO 3.18MM

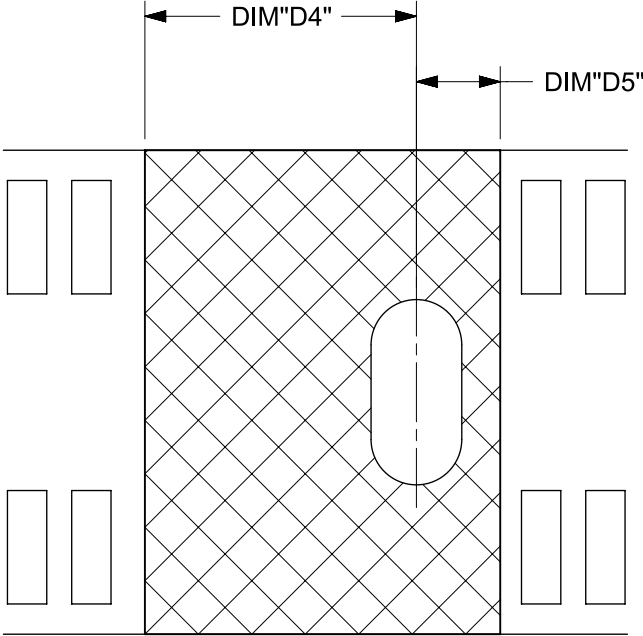
RECOMMENDED PCB FOOTPRINT (OPTION2)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE1&2				molex					
MM		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL		± 3°											
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.200											
1 PLACE		±											
0 PLACES		±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				STATUS: Design Approved					
								DRWN: Bing Song Lin 2024-01-23					
								CHK'D: Bing Song Lin 2024-01-29					
								APPR: Chien Ching Teh 2024-01-30					
				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
				2044730000				PSD		000		C6	
				MATERIAL NUMBER		CUSTOMER				SHEET NUMBER			
				SEE TABLE		GENERAL MARKET				8 OF 12			

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (SLOT OPTION)



DETAIL X
SCALE 10:1
SIDE SOLDER PASTE AREA
(FOR 2X SLOT)



DETAIL Y
SCALE 10:1
MIDDLE SOLDER PASTE AREA
(FOR 1X SLOT)

RECOMMENDED PCB FOOTPRINT (OPTION2)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE VIEW IN PAGE1&2					
MM		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Design Approved DRWN: Bing Song Lin2024-01-23 CHK'D: Bing Song Lin2024-01-29 APPR: Chien Ching Teh2024-01-30					
ANGULAR TOL ± 3°									
4 PLACES		±		PRODUCT SALES DRAWING DOCUMENT NUMBER2044730000DOC TYPEPSDDOC PART000REVISIONC6					
3 PLACES		±							
2 PLACES		± 0.200							
1 PLACE		±		MATERIAL NUMBERCUSTOMERSHEET NUMBER SEE TABLEGENERAL MARKET9 OF 12					
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 204473	

