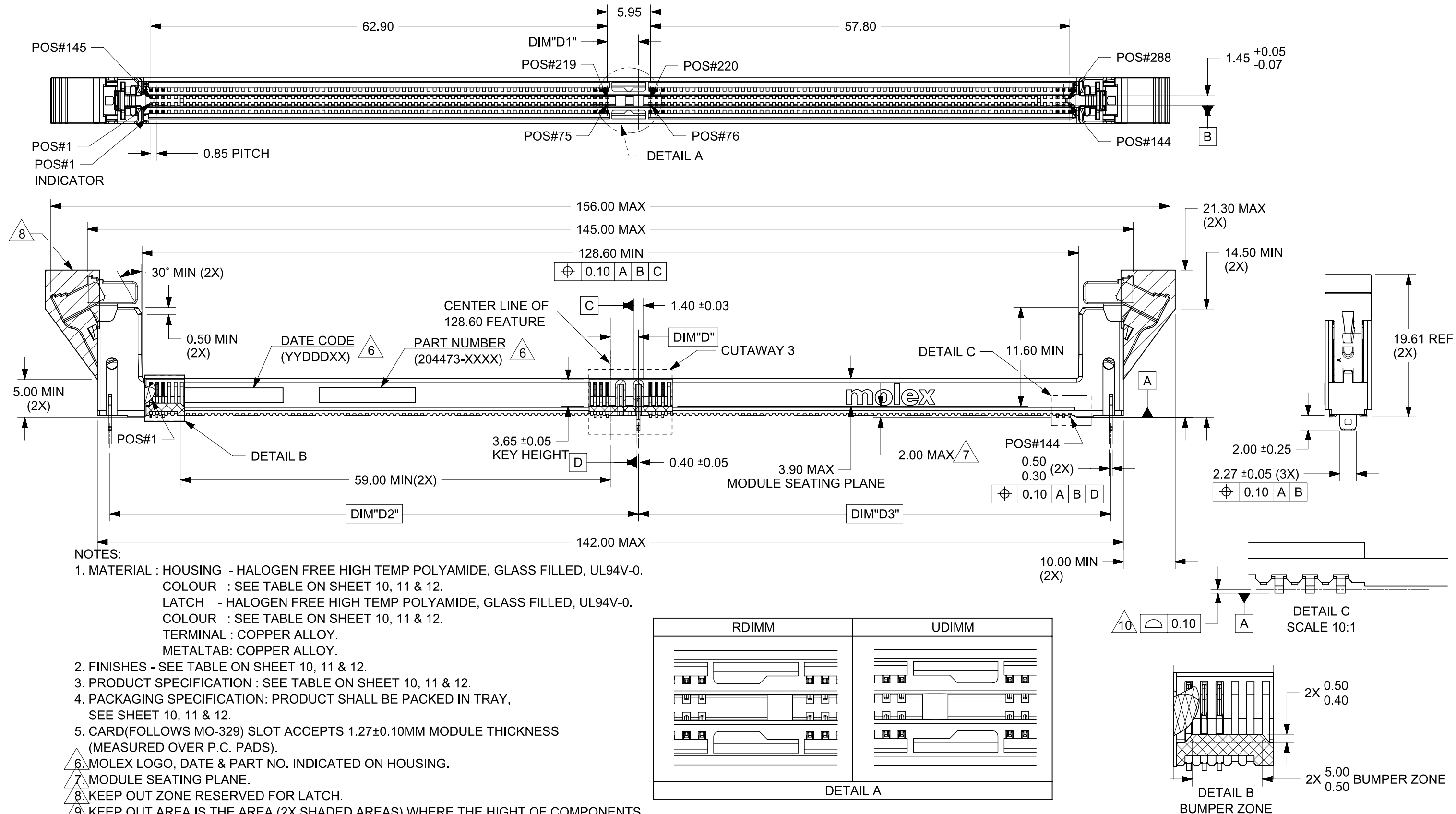
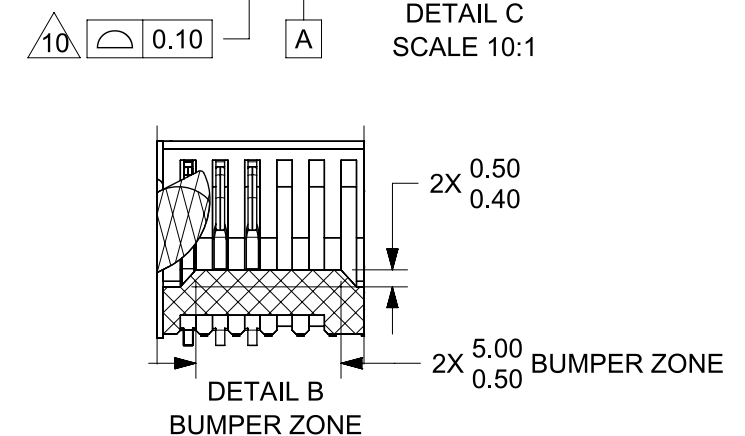
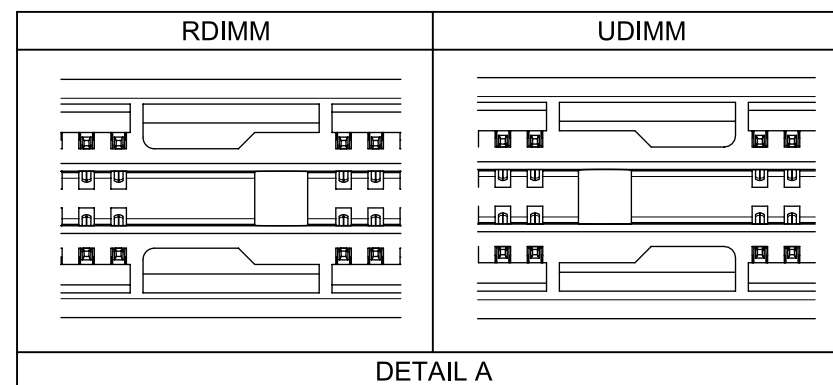


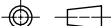
DDR5 288 CKTS CONNECTOR



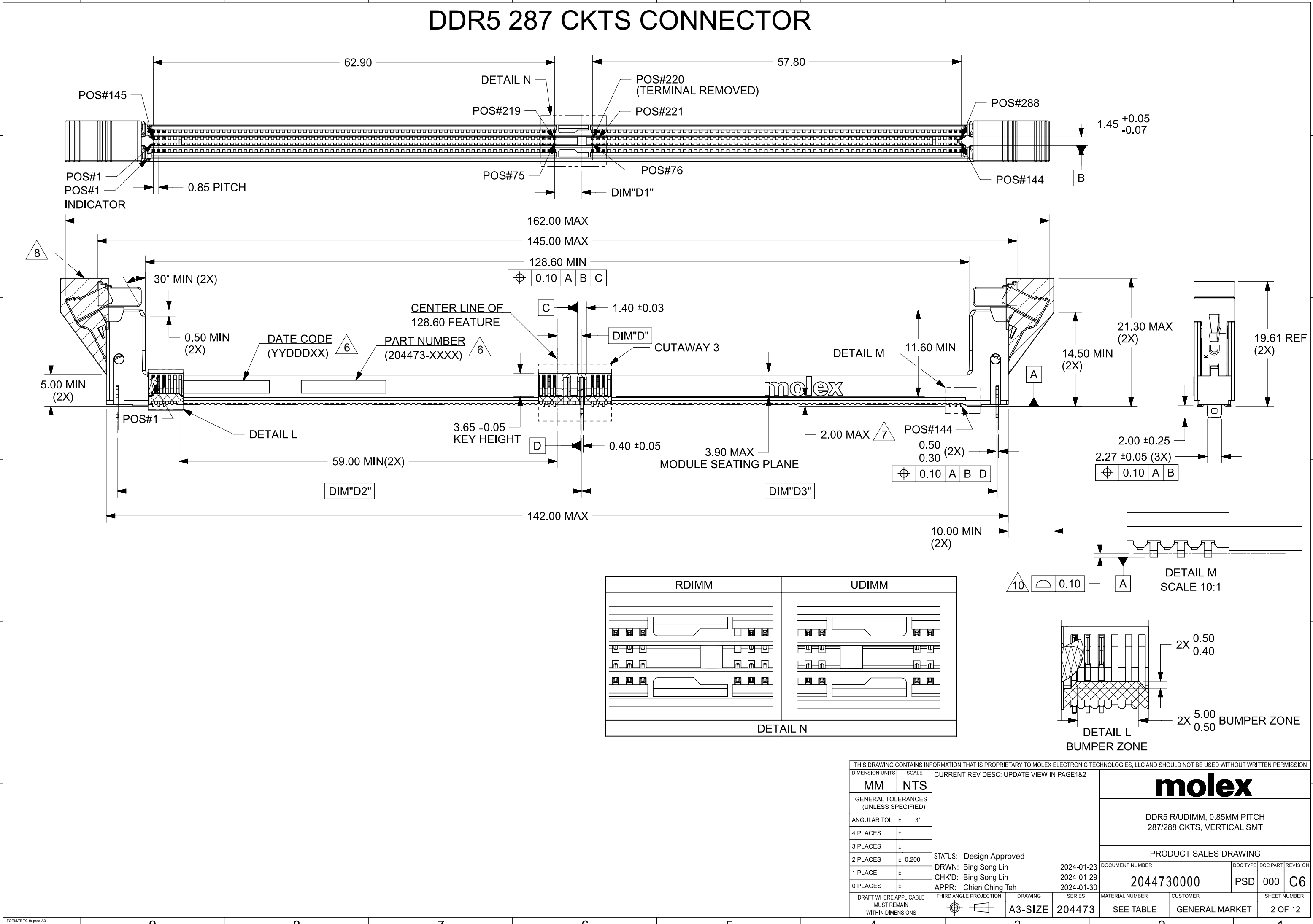
NOTES:

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



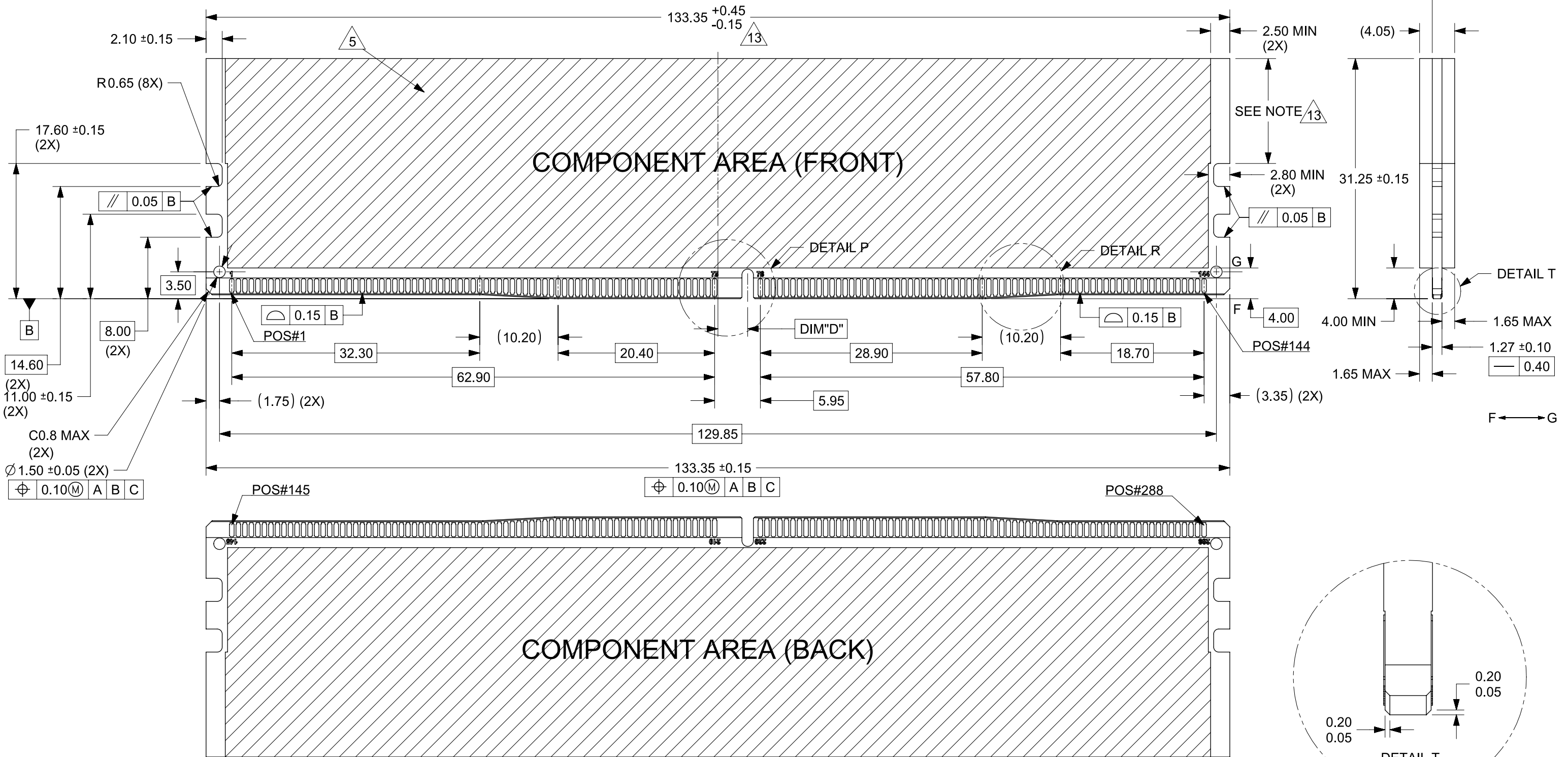
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE	CURRENT REV DESC: UPDATE VIEW IN PAGE1&2				molex		
MM	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		±					3°		
4 PLACES	±								
3 PLACES	±								
2 PLACES	±	0.200							
1 PLACE	±								
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
				A3-SIZE	204473				
				SEE TABLE	GENERAL MARKET				
				1 OF 12					

10	9	8	7	6	5	4	3	2	1
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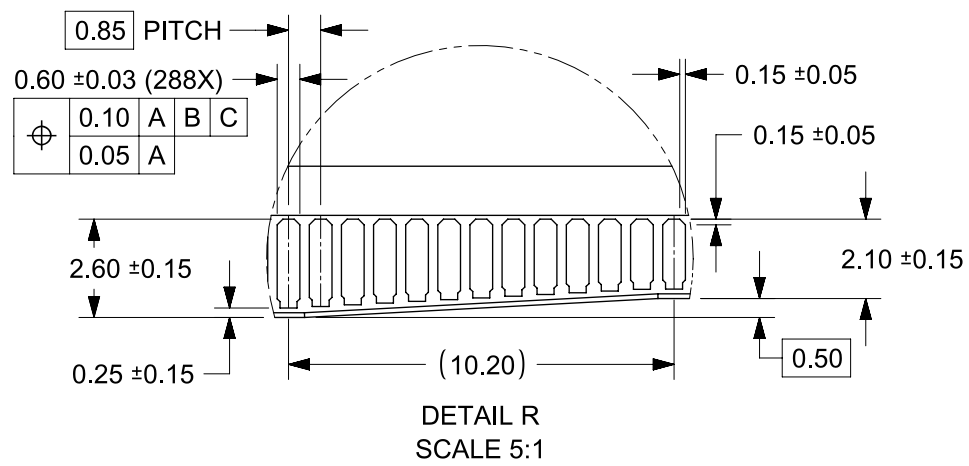
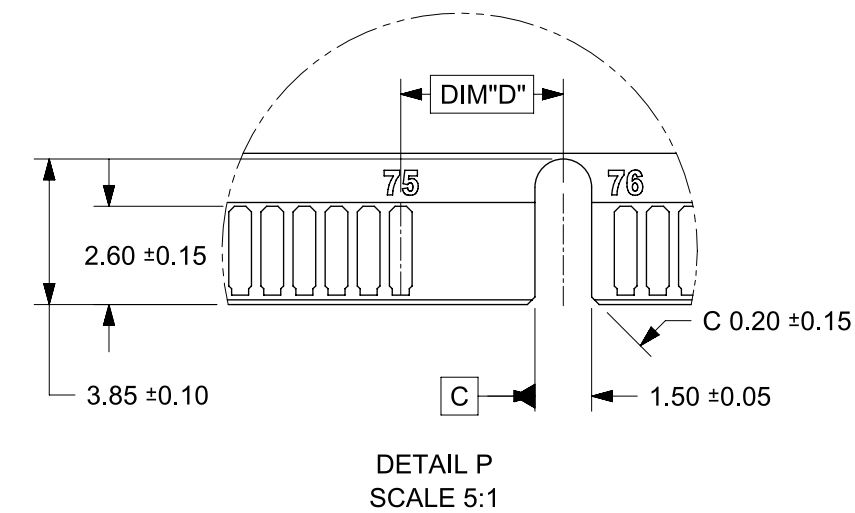


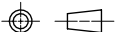
FORMAT: TC-20-prod-43 REVISION: B DATE: 2022/08/01	9	8	7	6	5	4	3	2	1
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MODULE CARD - FOLLOWS MO-329 (288 CKT)

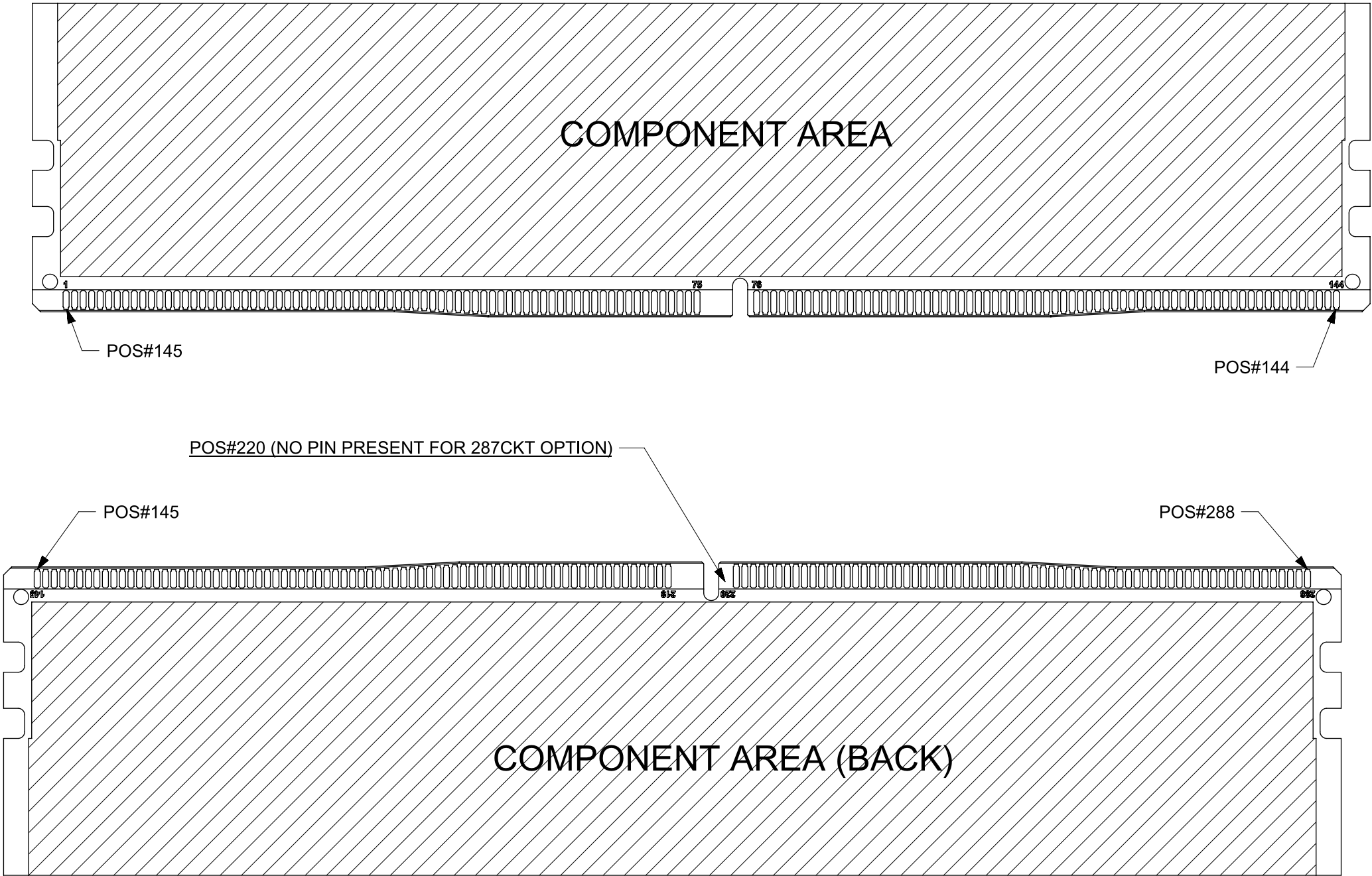


288CKT OPTION



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 PAGE 1&2			molex					
MM		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)							DDR5 R/UDIMM, 0.85MM PITCH 287/288 CKTS, VERTICAL SMT					
ANGULAR TOL ± 3°												
4 PLACES		±										
3 PLACES		±										
2 PLACES		± 0.200		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			PRODUCT SALES DRAWING					
1 PLACE		±										
0 PLACES		±					DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 					DRAWING A3-SIZE		SERIES 204473		2044730000	
				MATERIAL NUMBER		CUSTOMER					SHEET NUMBER	
								SEE TABLE		GENERAL MARKET		4 OF 12

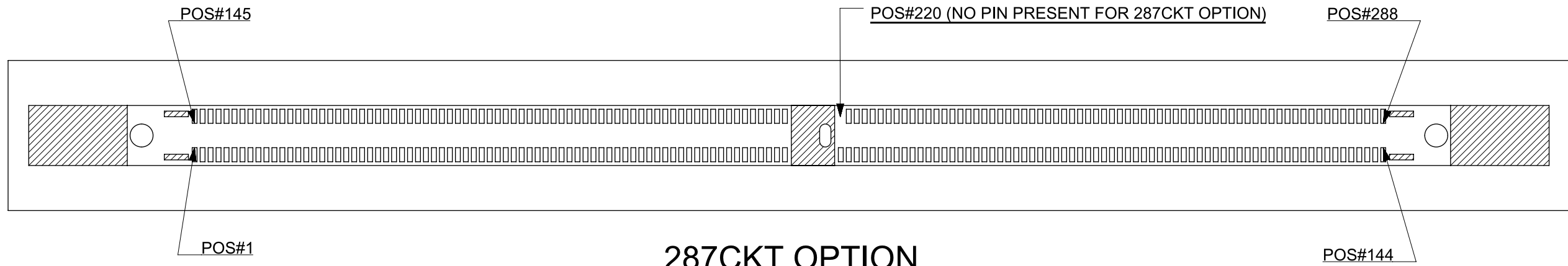
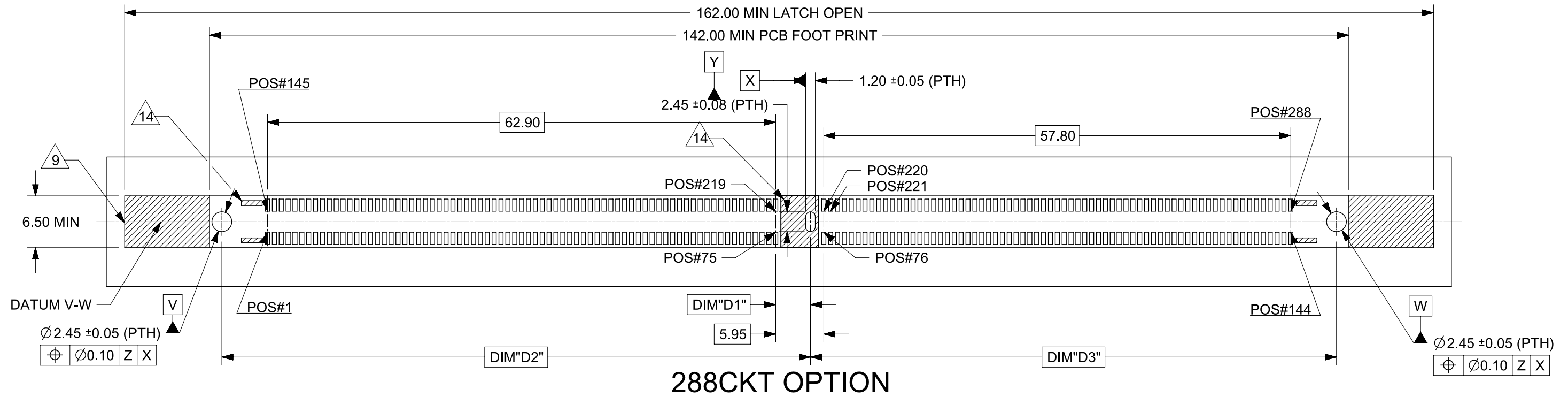
MODULE CARD - FOLLOWS MO-329 (287 CKT)



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				2024-01-23											
0 PLACES		±		DRWN: Bing Song Lin				2024-01-29											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION					
								2044730000		PSD		000		C6					
				A3-SIZE		204473		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER							
								SEE TABLE		GENERAL MARKET		5 OF 12							

RECOMMENDED PCB FOOTPRINT (HOLE 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											
MM		NTS															
GENERAL TOLERANCES (UNLESS SPECIFIED)				DOCUMENT NUMBER						DOC TYPE		DOC PART		REVISION			
ANGULAR TOL ± 3°																	
4 PLACES		±		STATUS: Design Approved		2024-01-23		20244730000				PSD		000		C6	
3 PLACES		±															
2 PLACES		± 0.200		DRWN: Bing Song Lin		2024-01-29											
1 PLACE		±															
0 PLACES		±		APPR: Chien Ching Teh													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
						A3-SIZE		2024473		SEE TABLE		GENERAL MARKET		6 OF 12			

10 9 8 7 6 5 4 3 2 1

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RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

G

H

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

4.80

1.92

4.80

3.20

2.30

2.30

3.20

0.60 MIN. (4X)

2.42

2.57 MIN. (4X)

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

DATUM V-W

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

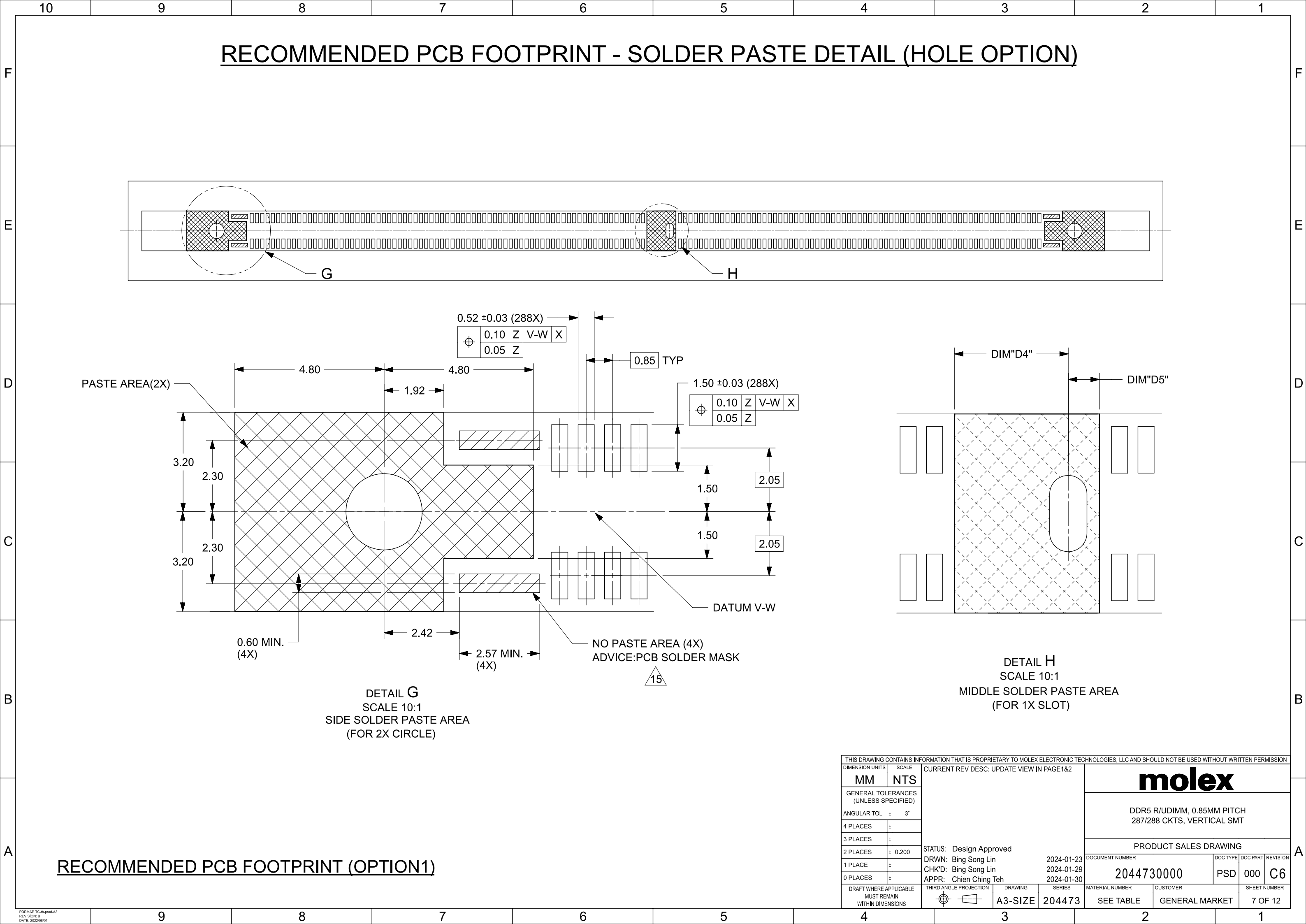
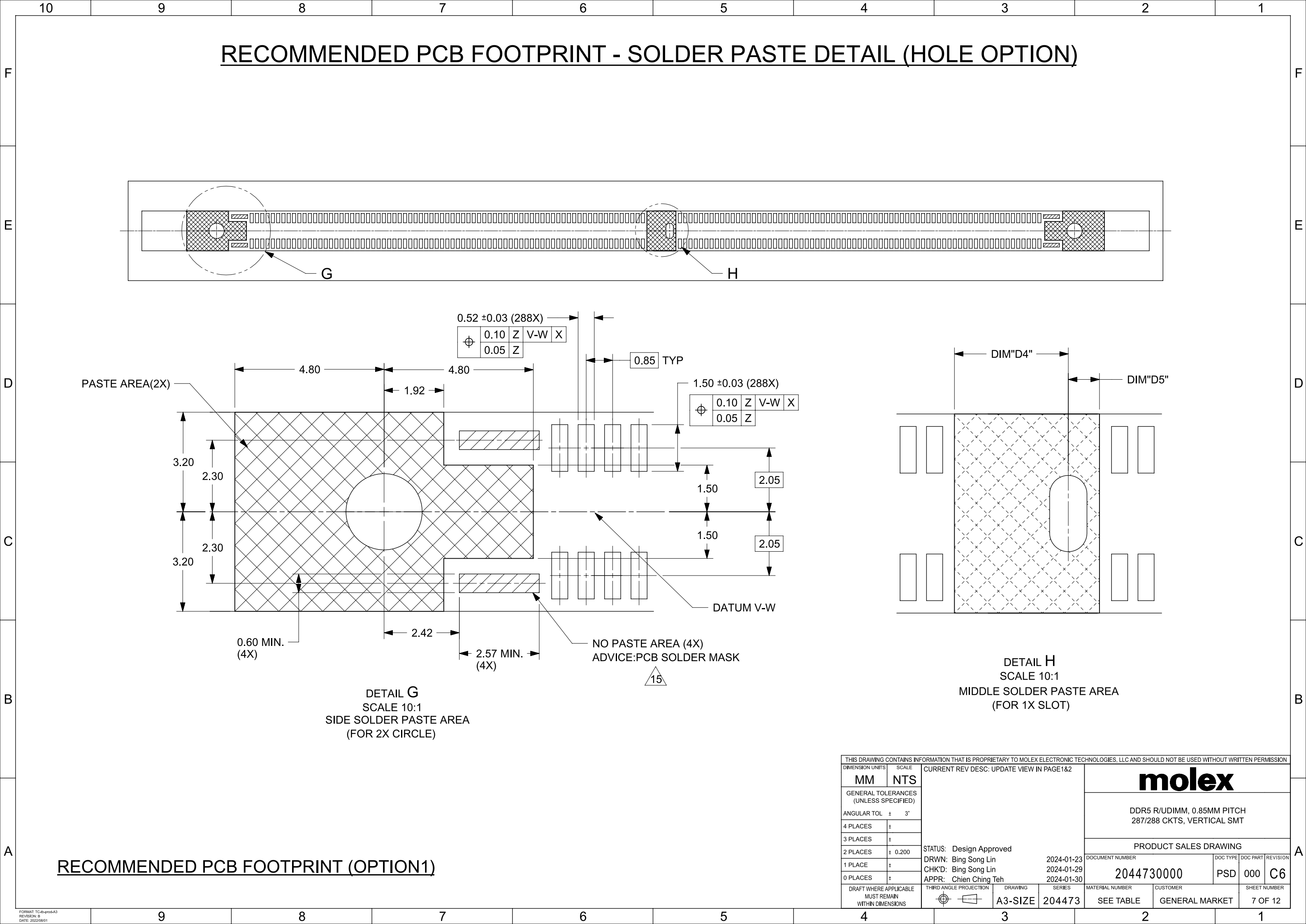
PRODUCT SALES DRAWING	
DOCUMENT NUMBER	
2044730000	
PSD 000 C6	

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

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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

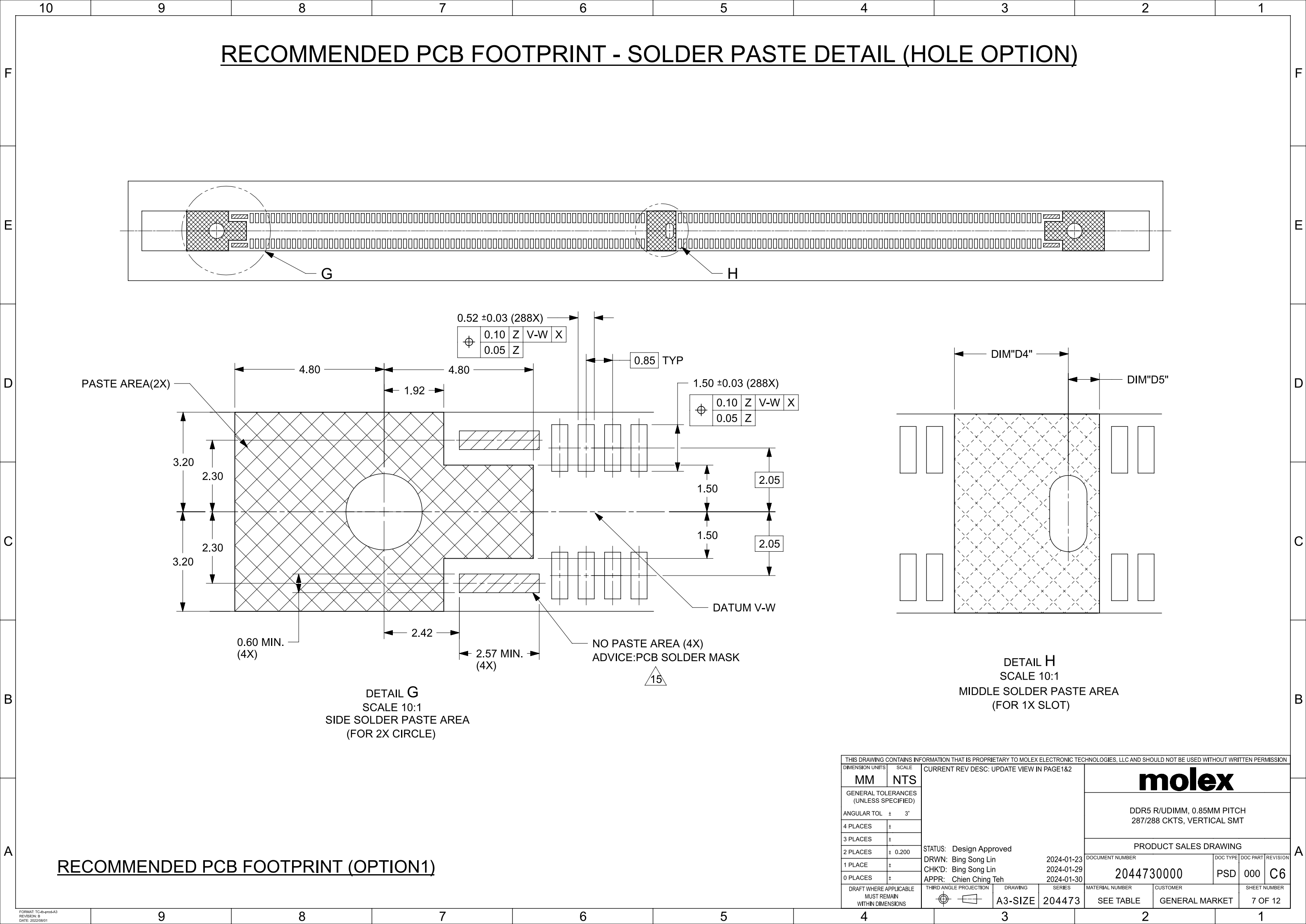
PRODUCT SALES DRAWING	
DOCUMENT NUMBER	
2044730000	
PSD 000 C6	

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

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

RECOMMENDED PCB FOOTPRINT (OPTION1)

10 9 8 7 6 5 4 3 2 1



10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

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

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

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
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

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

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 12

FORMAT: TC-40-prod-A3

REVISION: B

DATE: 2022/08/01

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

RECOMMENDED PCB FOOTPRINT - SOLDER PASTE DETAIL (HOLE OPTION)

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

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

RECOMMENDED PCB FOOTPRINT (OPTION1)

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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

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

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REVISION

C6

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 12

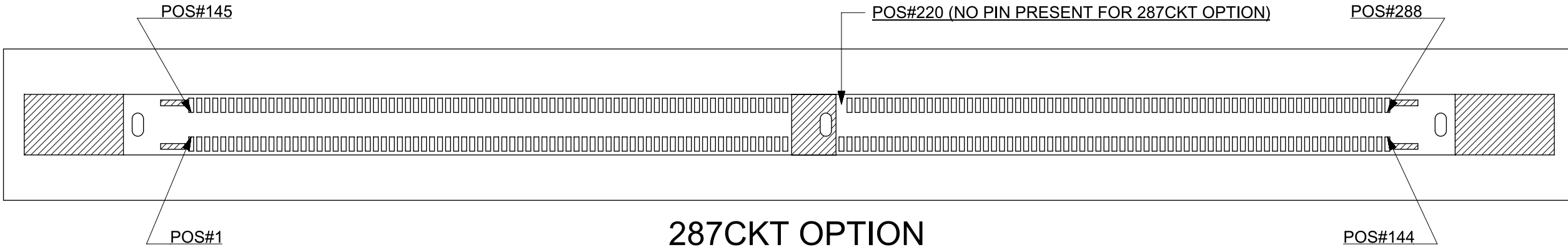
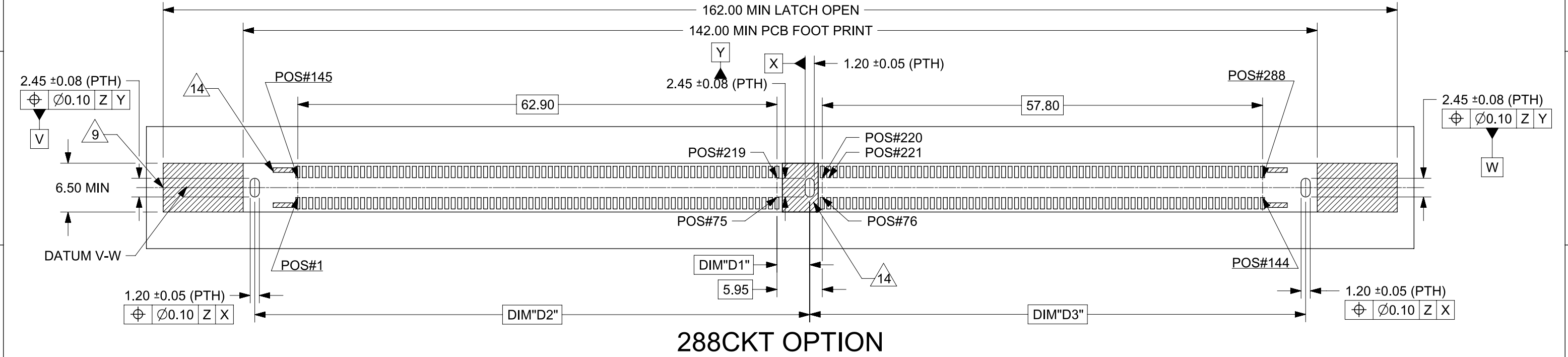
FORMAT: TC-40-prod-A3

REVISION: B

DATE: 2022/08/01

10 9 8 7 6 5 4 3 2 1

RECOMMENDED PCB FOOTPRINT (SLOT OPTION)

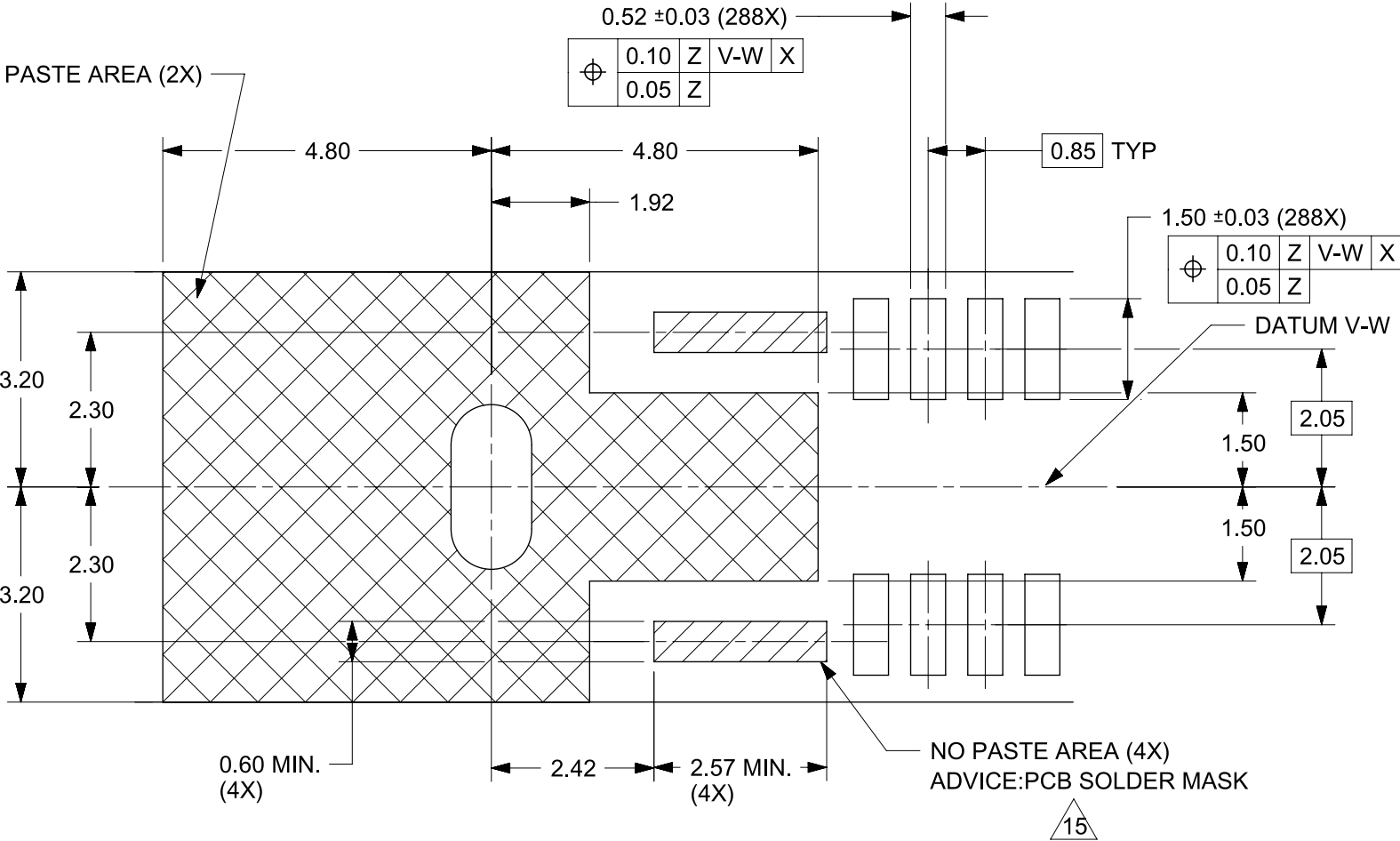
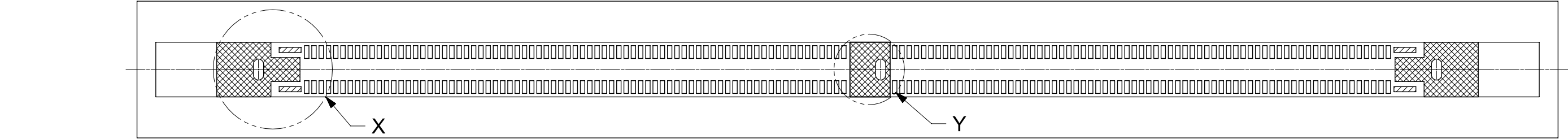


RECOMMENDED PCB THICKNESS: 1.57MM TO 3.18MM

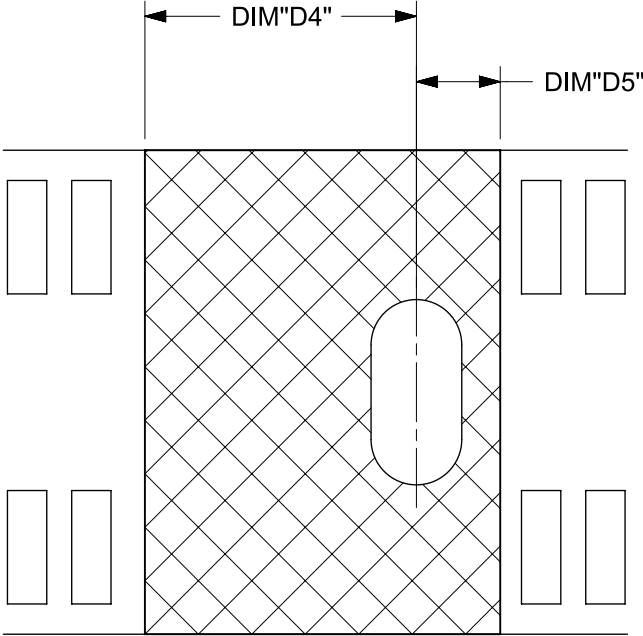
RECOMMENDED PCB FOOTPRINT (OPTION2)

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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 DOCUMENT NUMBER2044730000DOC TYPEPSDDOC PART000REVISIONC6 STATUS: Design Approved DRWN: Bing Song Lin2024-01-23 CHK'D: Bing Song Lin2024-01-29 APPR: Chien Ching Teh2024-01-30 SHEET NUMBER8 OF 12					
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 		DRAWINGA3-SIZE		SERIES204473	

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 THIRD ANGLE PROJECTION DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER					
ANGULAR TOL ± 3°									
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.200							
1 PLACE		±							
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3-SIZE 204473 2044730000 PSD 000 C6 SEE TABLE GENERAL MARKET 9 OF 12					

10	9	8	7	6	5	4	3	2	1					
UDIMM OPTION														
CKT SIZE	ASSEMBLY PART NO.	HOUSING COLOUR	LATCH COLOUR	P&P OPTION	DIM"D"	DIM"D1"	DIM"D2"	DIM"D3"	DIM"D4"	DIM"D5"	PLATING OPTION		PRODUCT SPEC. NO.	PACKAGING SPEC. NO.
											TERMINAL	METAL TAB		
288 (ALL PINS IN)	2044731218	BLACK	OFF-WHITE	NO	1.425	1.85	70.40	67.55	0.94	3.39	0.76 MICROMETER (30 MICROINCH) MIN GOLD ON CONTACT 2.54 MICROMETER (100 MICROINCH) MIN MATT TIN ON SOLDERTAILS 1.27 MICROMETER (50 MICROINCH) MIN NICKEL UNDERPLATE	1 MICROMETER (40 MICROINCH) MIN MATT TIN OVERALL (PRE-PLATED)	2044730001-PS	2044730003 (HARD TRAY)
	2044731110	BLACK	BLACK	YES										
	2044731210		OFF-WHITE											
	2044732210	OFF-WHITE	OFF-WHITE											
	2044733310	BLUE	BLUE											
	2044731130	BLACK	BLACK								YES		0.38 MICROMETER (15 MICROINCH) MIN GOLD ON CONTACT 2.54 MICROMETER (100 MICROINCH) MIN MATT TIN ON SOLDERTAILS 1.27 MICROMETER (50 MICROINCH) MIN NICKEL UNDERPLATE	
	2044731230		OFF-WHITE											
	2044732230	OFF-WHITE	OFF-WHITE											
	2044733330	BLUE	BLUE											
	2044734230	YELLOW	OFF-WHITE											

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

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CURRENT REV DESC: UPDATE VIEW IN PAGE1&2

STATUS: Design Approved

DRWN: Bing Song Lin2024-01-23

CHK'D: Bing Song Lin2024-01-29

APPR: Chien Ching Teh2024-01-30

A3-SIZE

204473

SEE TABLE

GENERAL MARKET

12 OF 12

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

FORMAT: TC-2b-prod-A3

REVISION: 5

DATE: 2022/08/01

9

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1