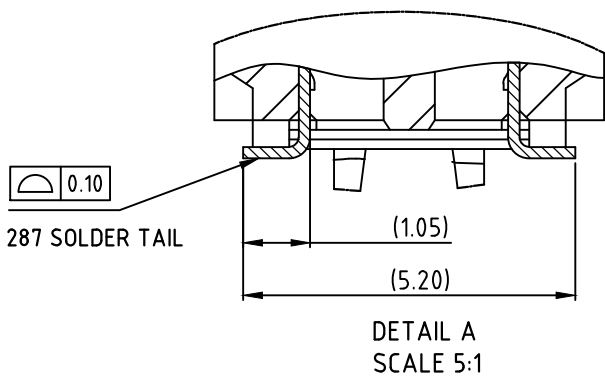
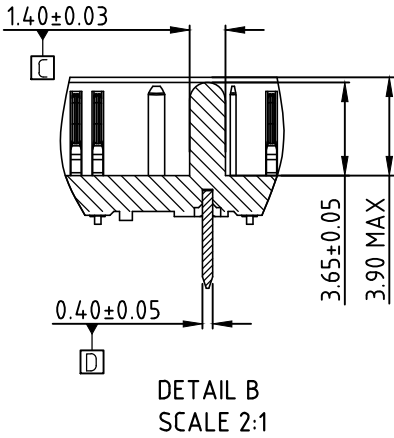
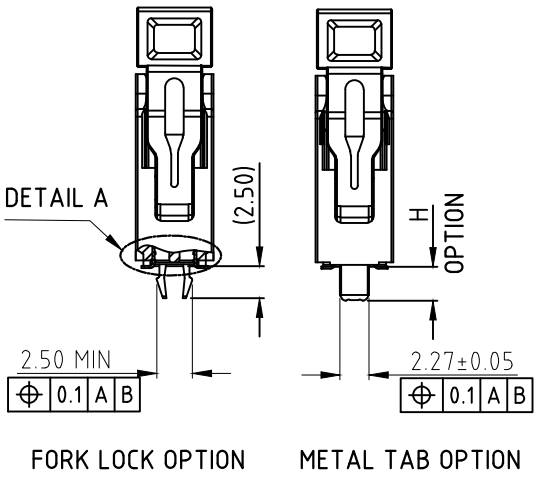
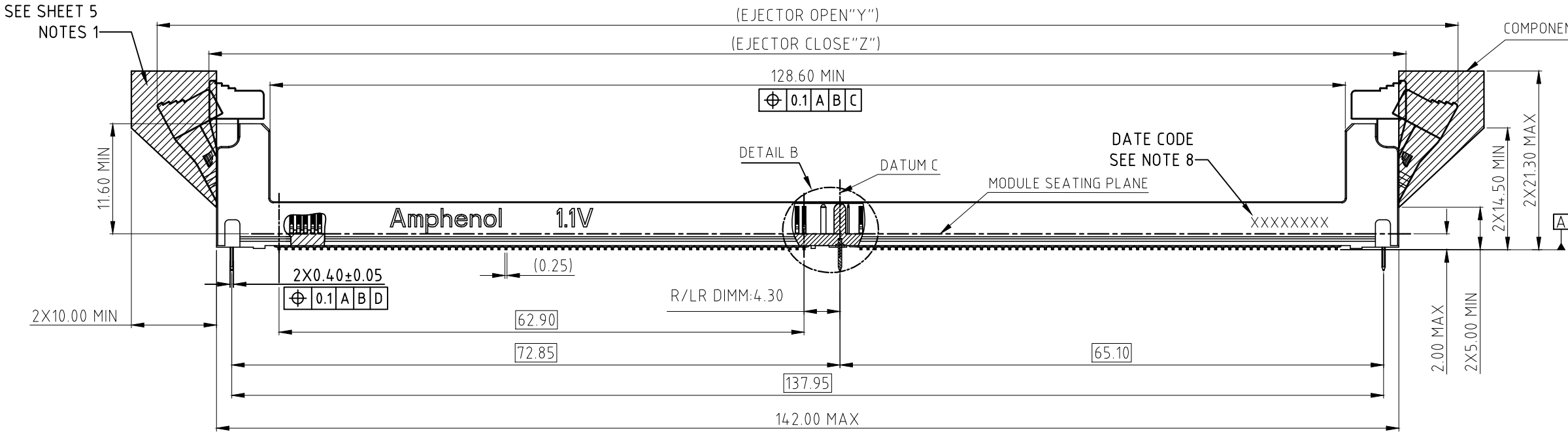
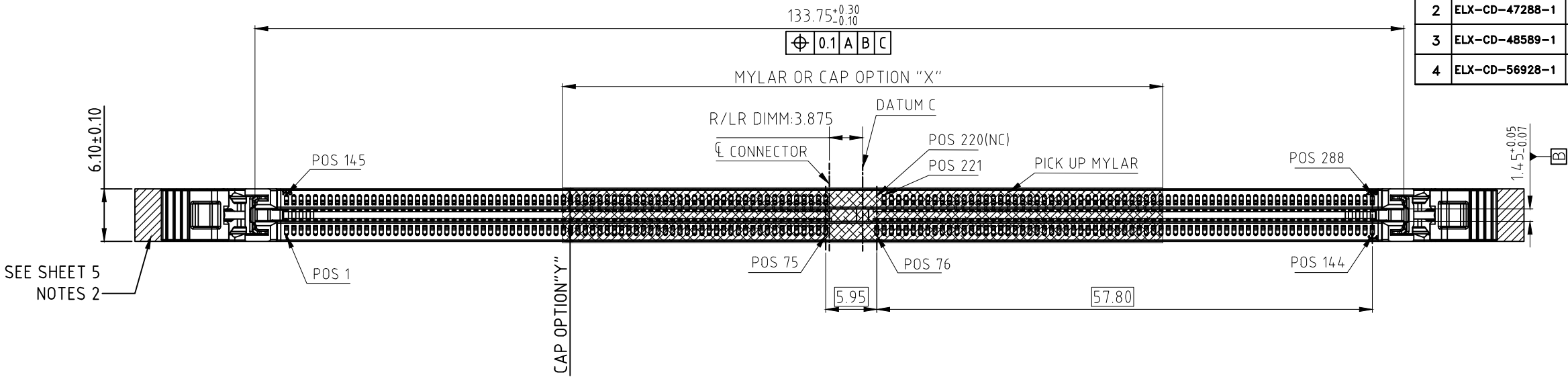


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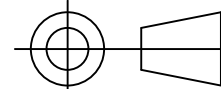
CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
1	ELX-CD-F3134-1	FIRST RELEASED	Jan.05,2023	YH
2	ELX-CD-47288-1	CHANGE PIN NUMBER TO POS NUMBER	Feb.28,2023	YH
3	ELX-CD-48589-1	CHANGE 40MM LENGTH MYLAR TO 50MM	Oct.26,2023	YH
4	ELX-CD-56928-1	TRAY ADD POKA-YOKE BOSS	Aug.25,2025	YH

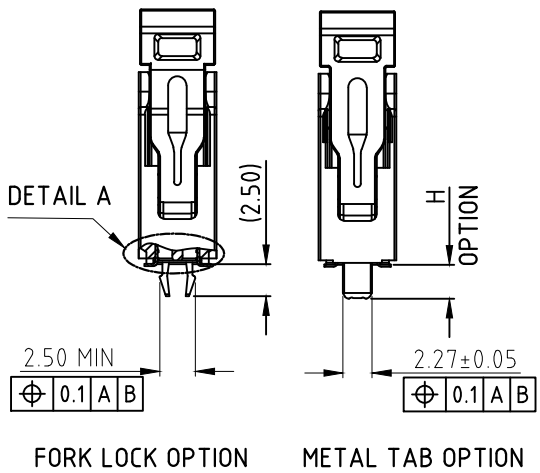
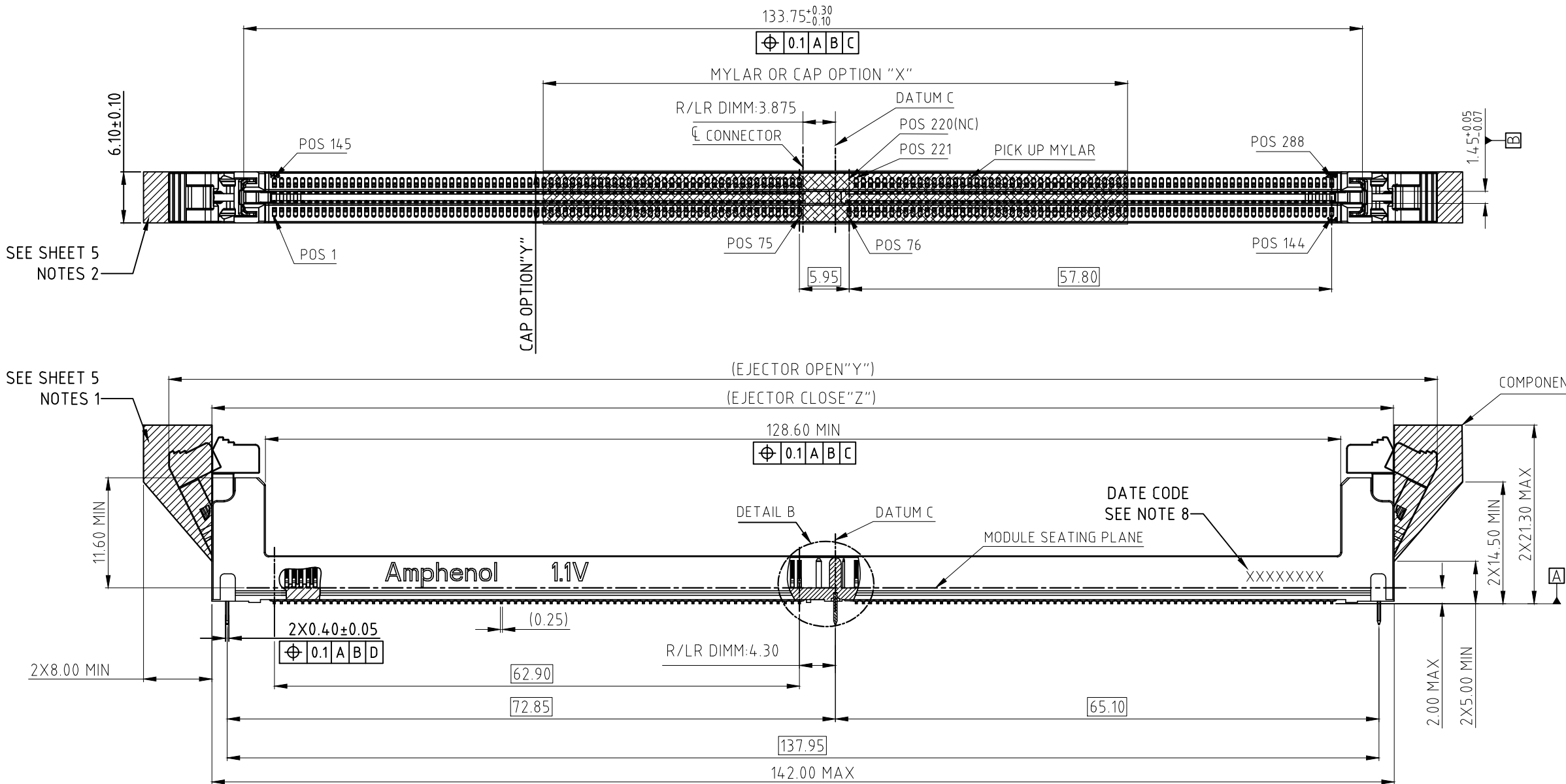


ITEM	EJECTOR OPEN DIMENSION "Y"	EJECTOR CLOSE DIMENSION "Z"	EJECTOR FIGURE
STANDARD LATCH	156.00 MAX	144.00 MAX	

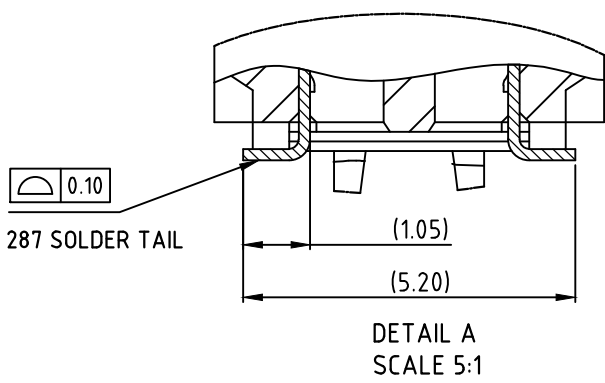
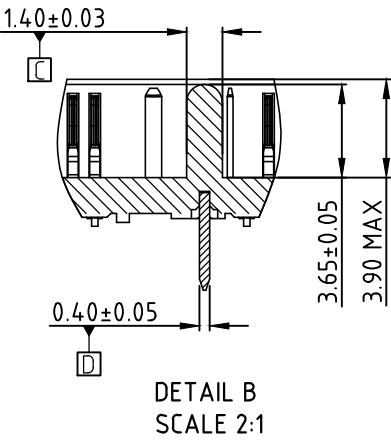
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.35 .XX +/- 0.25 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 3° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)		APPROVAL		DATE		Amphenol			
		DRAWN	Aaron.Cao	Aug.25,2025					
		CHECKED							
		CHECKED							
DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXXXXX						TITLE DDR5 287P R/LR DIMM CONNECTOR			
ANGLE OF PROJECTION 		SIZE A3	DRAWING NO. C DDR514XXXXXXXXXX		REV. 4				
		SCALE	NONE		SHEET 1 OF 7				

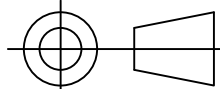
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



ITEM	EJECTOR OPEN DIMENSION "Y"	EJECTOR CLOSE DIMENSION "Z"	EJECTOR FIGURE
SHORT LATCH	152.00 MAX	142.00 MAX	

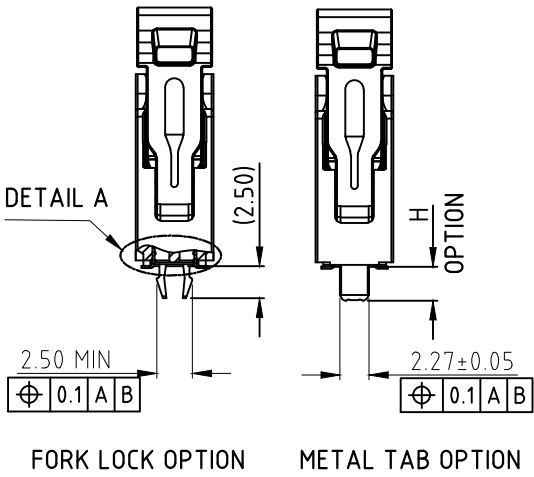
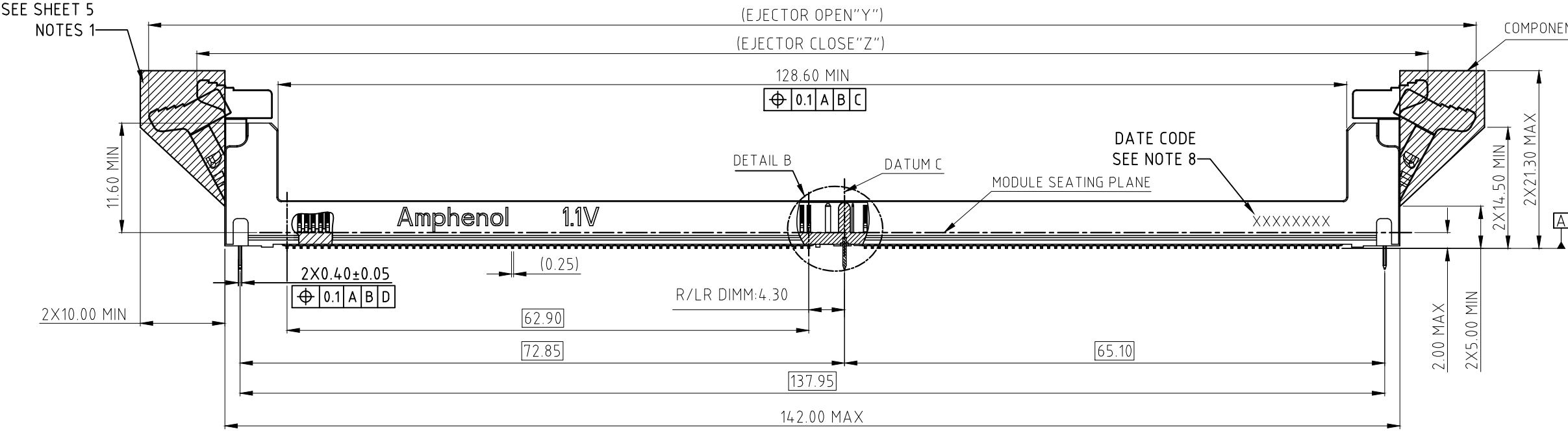
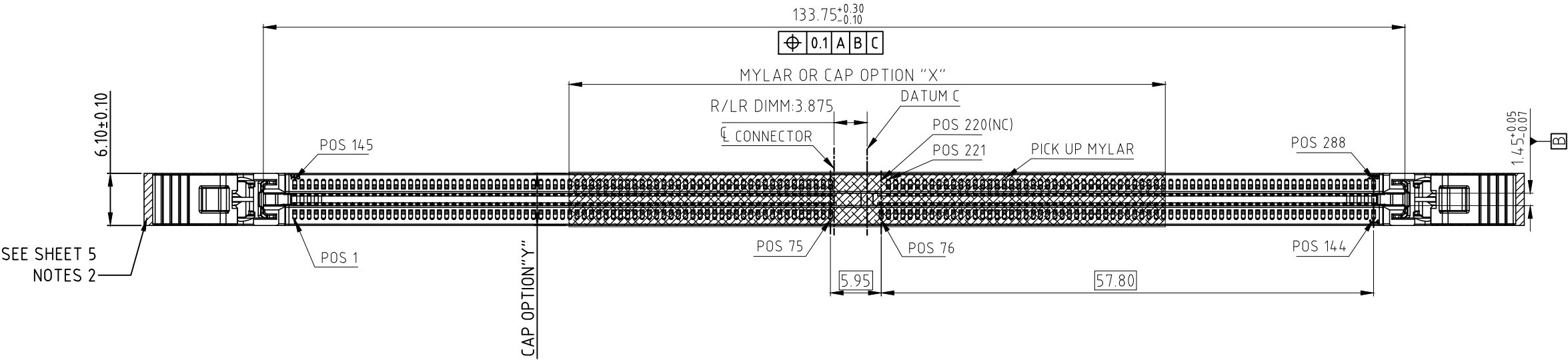


UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Aaron.Cao	Aug.25,2025			
		CHECKED					
		CHECKED					
.X +/-				TITLE		DDR5 287P R/LR DIMM CONNECTOR	
.XX +/-							
.XXX +/-							
FRACTIONS +/-							
ANGLES +/-		3°					
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXXXXX					
REMOVE SHARP EDGES		ANGLE OF PROJECTION					
DIMENSIONS							
— U.S. —				SIZE		DRAWING NO.	
(METRIC)				A3		C DDR514XXXXXXXXXX	
				SCALE		NONE	
						SHEET 2 OF 7	
						REV. 4	

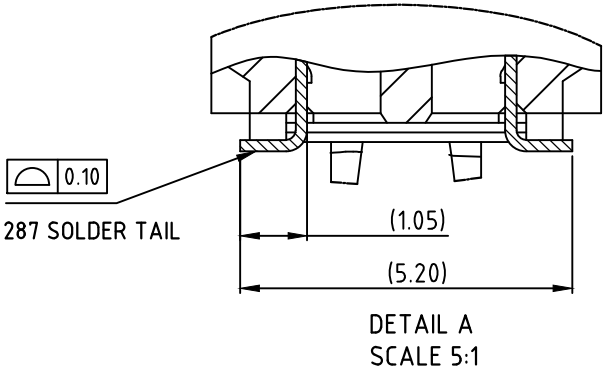
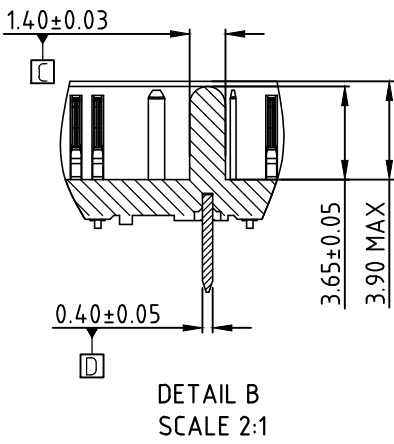
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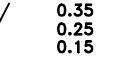
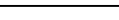
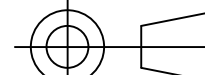
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



ITEM	EJECTOR OPEN DIMENSION "Y"	EJECTOR CLOSE DIMENSION "Z"	EJECTOR FIGURE
LONG LATCH	162.00 MAX	149.00 MAX	



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol			
U.S.		DRAWN		Aaron.Cao				Aug.25,2025	
METRIC		CHECKED							
		CHECKED							
.X +/-						TITLE			
.XX +/-									
.XXX +/-									
FRACTIONS +/-									
ANGLES +/-		3°				DDR5 287P R/LR DIMM CONNECTOR			
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :							
REMOVE SHARP EDGES		DRAWING\DDR\CDDR514XXXXXXXXXX							
DIMENSIONS		ANGLE OF PROJECTION							
				SIZE		DRAWING NO.		REV.	
(METRIC)				A3		C DDR514XXXXXXXXXX		4	
				SCALE		NONE		SHEET 3 OF 7	

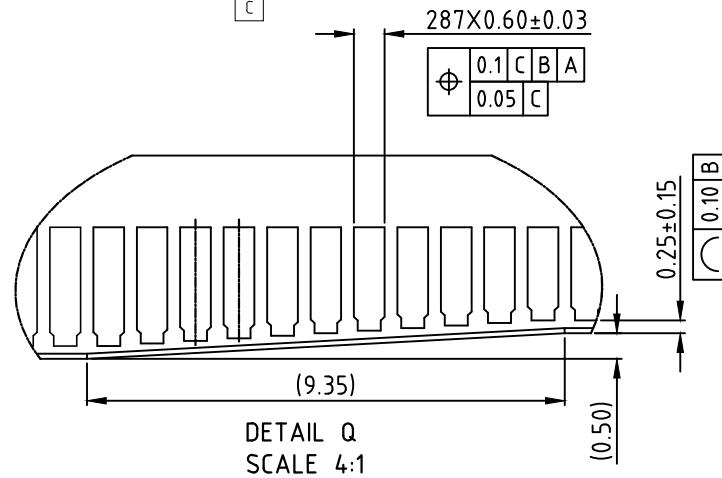
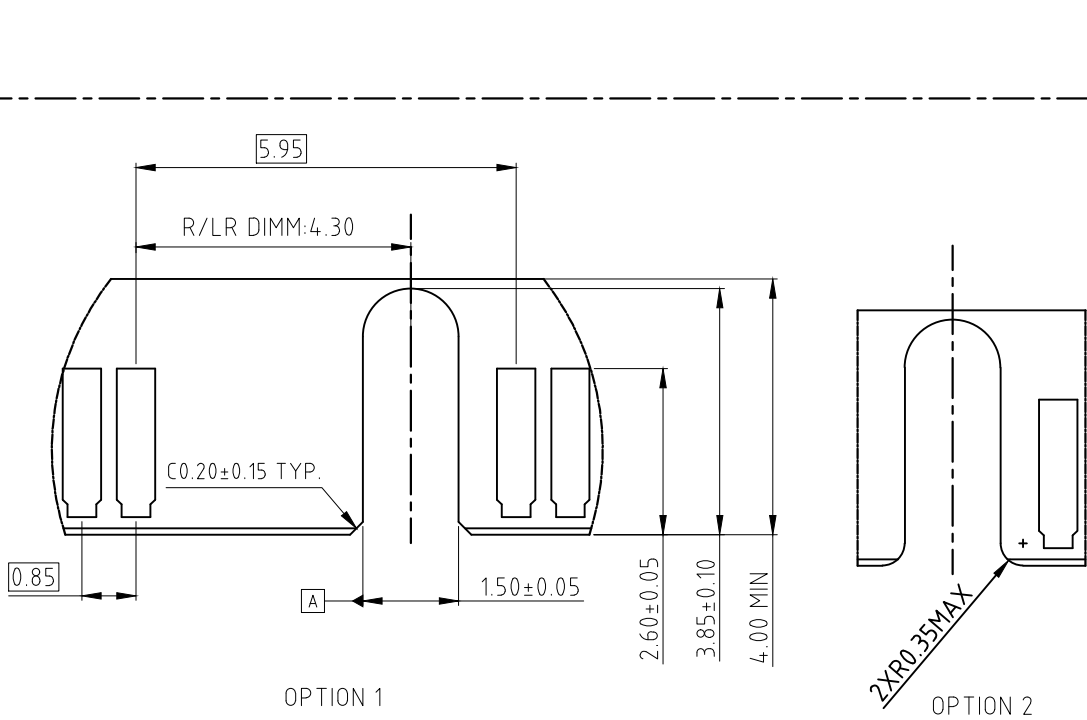
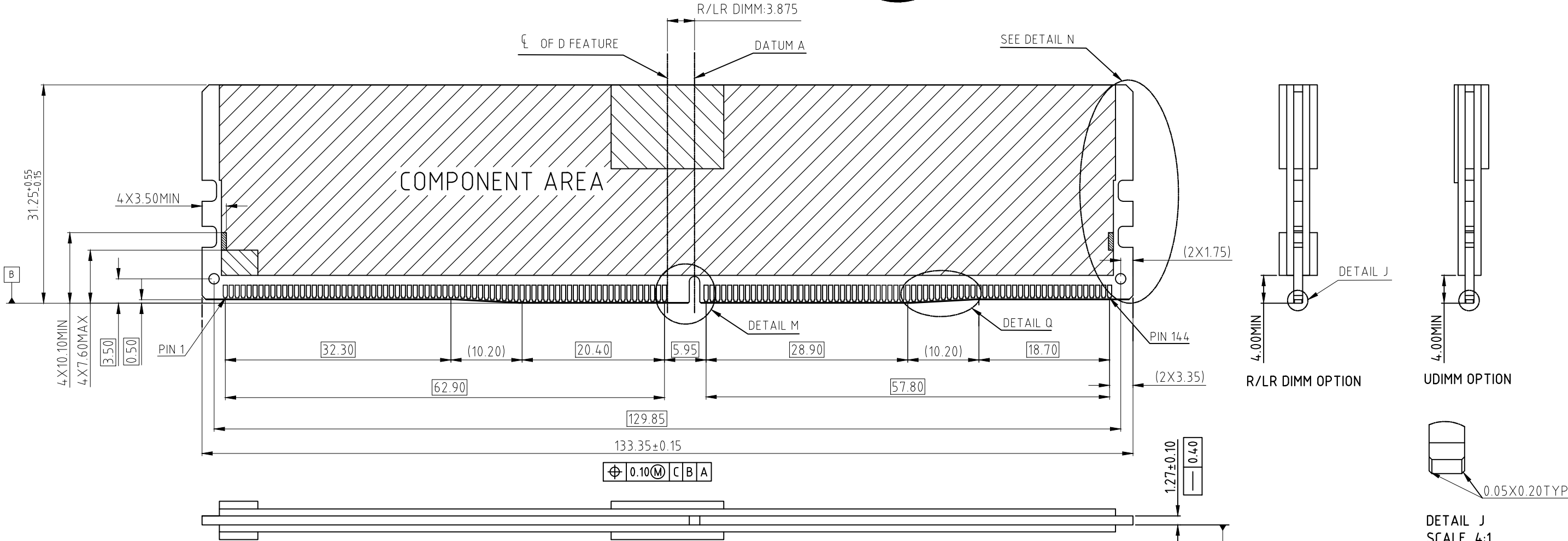
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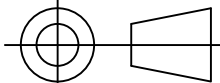
CUSTOMER DRAWING



REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

DDR5 MODULE
MORE INFORMATION REFER TO JEDEC MO-329

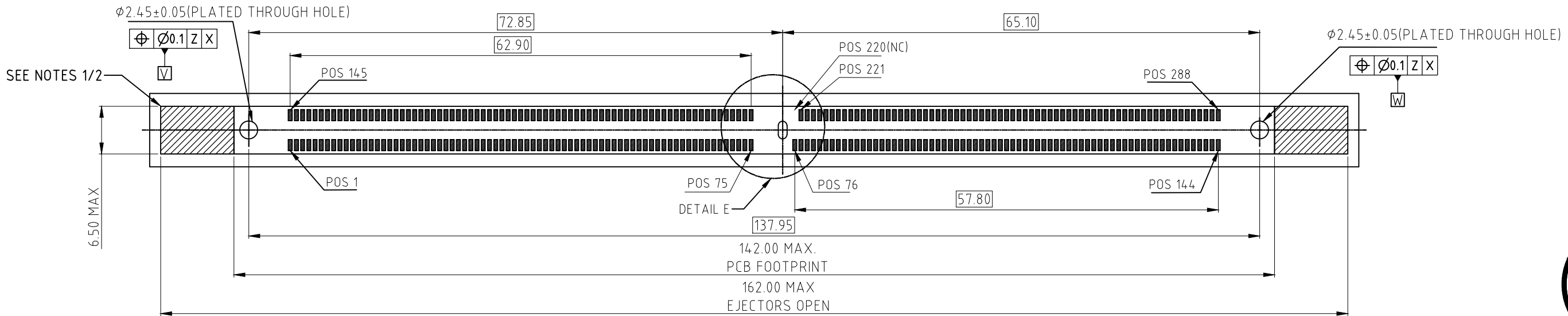


UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC . XX .XXX FRACTIONS ANGLES +/- +/- +/- +/- 3°		APPROVAL		DATE		Amphenol					
		DRAWN	Aaron.Cao	Aug.25,2025							
		CHECKED									
		CHECKED									
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :		TITLE							
REMOVE SHARP EDGES		DRAWING\DDR\CDDR514XXXXXXXXXX		DDR5 287P R/LR DIMM CONNECTOR							
DIMENSIONS		ANGLE OF PROJECTION									
U.S. INCHES		SIZE						DRAWING NO.		REV.	
(METRIC)		A3						C DDR514XXXXXXXXXX		4	
		SCALE						NONE		SHEET 4 OF 7	

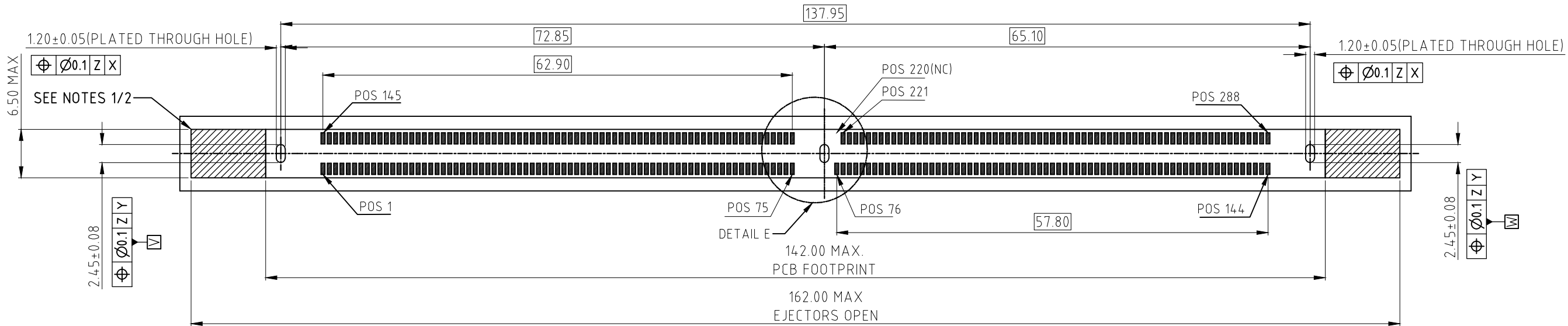
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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



RECOMMENDED PCB FOOTPRINT (OPTION 1)



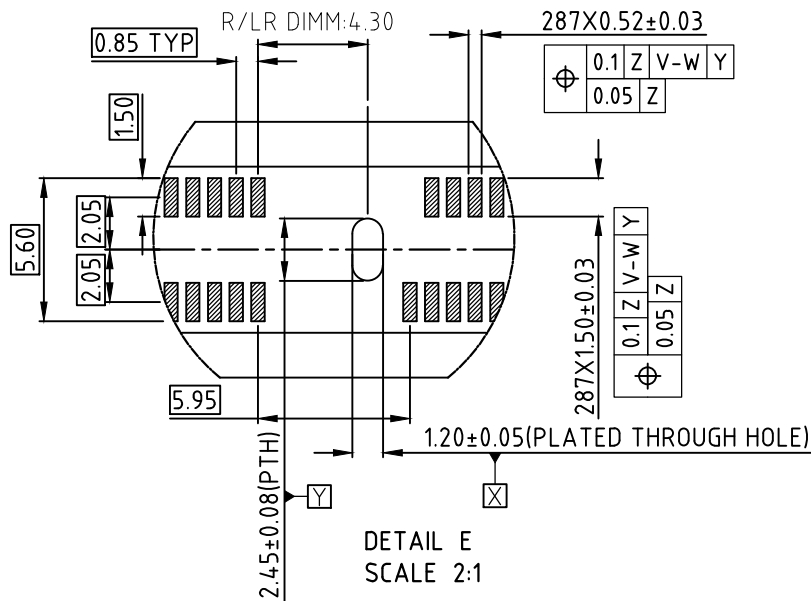
RECOMMENDED PCB FOOTPRINT (OPTION 2)

ADDITIONAL NOTES:

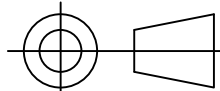
1. KEEP OUT CROSS HATCH IS RESERVED FOR SOCKET EJECTORS AT BOTH ENDS.
2. KEEP OUT ZONE IS HEIGHT LIMITED PER NOTE 1.
3. RECOMMENDED STENCIL THICKNESS:

REFLOW CONDITION	THICKNESS OF STENCIL
AIR	0.18MM MIN
NITROGEN	0.18MM MIN
REWORK	0.20MM MIN

RECOMMENDED PCB LAYOUT
MORE INFORMATION REFER TO JEDEC SO-023



DETAIL E
SCALE 2:1

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Aaron.Cao	Aug.25,2025			
.X +/-		CHECKED					
.XX +/-		CHECKED					
.XXX +/-						TITLE DDR5 287P R/LR DIMM CONNECTOR	
FRACTIONS +/-							
ANGLES +/-							
3°							
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXXXXX					
REMOVE SHARP EDGES		ANGLE OF PROJECTION					
DIMENSIONS							
U.S. INCHES						SIZE DRAWING NO. REV.	
(METRIC) (MM)						A3 C DDR514XXXXXXXXXX 4	
						SCALE NONE SHEET 5 OF 7	

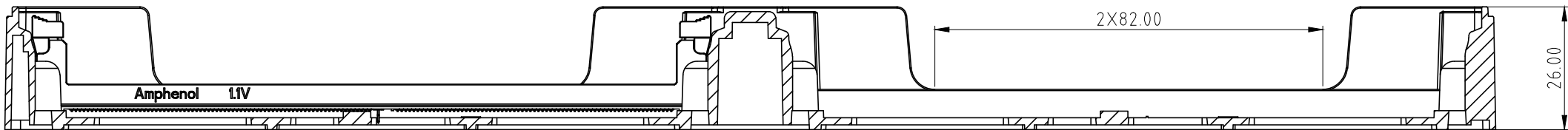
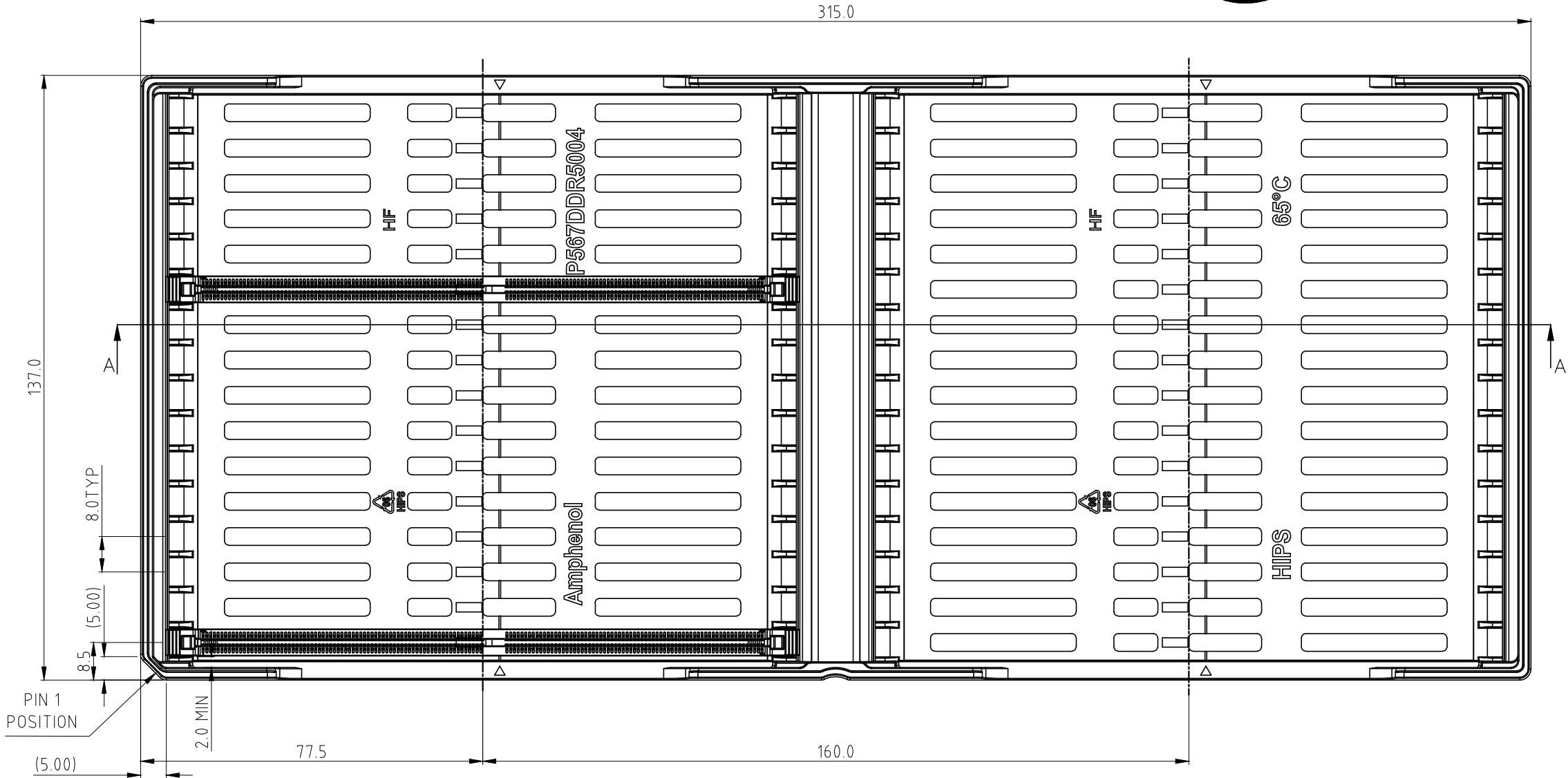
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CUSTOMER DRAWING



REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

PACKING TRAY DRAWING



SECTION A-A

- NOTES:
1. MATERIAL: HIPS, BLACK
 2. QUANTITY:32PCS/TRAY

UNLESS OTHERWISE SPECIFIED TOLERANCES			APPROVAL		DATE	Amphenol		
			DRAWN	Aaron.Cao	Aug.25,2025			
			CHECKED					
			CHECKED					
FOR MATERIALS AND FINISHES SEE NOTES			DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXXXX			TITLE		
REMOVE SHARP EDGES			ANGLE OF PROJECTION			DDR5 287P R/LR DIMM CONNECTOR		
DIMENSIONS						SIZE	DRAWING NO.	REV.
U.S.	INCHES					A3	C DDR514XXXXXXXXX	4
(METRIC)	(MM)					SCALE	NONE	SHEET 6 OF 7

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CUSTOMER DRAWING

NOTES:

1. MATERIAL:
1.1 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0, COLOR:OPTION.
1.2 LATCH: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0. COLOR: OPTION.
1.3 TERMINAL: COPPER ALLOY.
1.4 BOARDLOCK: COPPER ALLOY.
1.5 METAL CLIP: SUS.
2. FINISH:
2.1 TERMINAL:
2.1.1 CONTACT AREA: SELECTED GOLD PLATING;
2.1.2 SOLDERING AREA: MATTE TIN PLATING 100u"THICKNESS MIN;
UNDER PLATING: NICKEL PLATING 50u" THICKNESS MIN. UNLESS OTHERWISE SPECIFIED
2.2 BOARDLOCK:
2.2.1 100u" MIN LEAD FREE MATTE TIN OVER 50u" MIN NICKEL UNDERPLATED OVERALL.
3. ELECTRICAL CHARACTERISTICS:
3.1 CONTACT CURRENT RATING:1.0A MAX
3.2 INSULATION RESISTANCE:1MΩ MIN. 500V DC.
3.3 DIELECTRIC WTHSTANDING VOLTAGE:500 VAC AT SEA LEVEL.
3.4 LOW LEVEL CONTACT RESISTANCE:
INITIAL:40mΩ MAX.
FINAL:THE CHANGE IN LLCR BETWEEN THE READING AFTER STRESS AND THE INITIAL READING SHALL NOT EXCEED 20 mΩ MAX.
4. MECHANICAL CHARACTERISTICS:
4.1 CONTACT RETENTION FORCE:300gF MIN/PER PIN.
4.2 DURABILITY:25 CYCLES.
4.3 INSERTION FORCE (MODULE TO CONNECTOR) :106.8N MAX.
UNMATING FORCE :19.77N MIN.
5. RELIABILITY AND OTHER CHARACTERISTICS:
5.1 SOLDERABILITY -LEAD FREE: JESD22-B102; CONDITION C, 8 HOURS ±15 MINUTES STEAM PRECONDITION.
5.2 VIBRATION: EIA-364-28, RANDOM PROFILE:
5 HZ @ 0.01 g²/HZ TO 20HZ @ 0.02g²/HZ (SLOPE UP), 20 HZ TO 500HZ @ 0.02g²/HZ (FLAT), INPUT ACCELERATION IS 3.13g RMS.
5.3 CYCLIC TEMPERATURE AND HUMIDITY: PER EIA-364-31, METHOD III WITHOUT CONDITIONING, INITIAL MEASUREMENTS, COLD SHOCK AND VIBRATION.
5.4 THERMAL SHOCK: PASSED PER EIA-364-32, METHOD A, TABLE 2, TEST CONDITION 1, -55°C TO 85°C. PERFORM 5 CYCLES IN MATED CONDITION.
5.5 MECHANICAL SHOCK: EIA-364-27, TEST CONDITION E,
5.6 OPERATING TEMPERATURE: -55°C TO 85°C.
6. HALOGEN-FREE COMPLIANT PRODUCT. MEET AMPHENOL SPEC # S-SN-004.
7. ORDER PN SYSTEM:
DDR5 XX X X X XXX X X

DOUBLE DATA RATE 5 SERIES

XX: APPLICATION TYPE
14: SMT,287P, R/LR DIMM CONNECTOR

X: HOUSING COLOR
1: BLACK
2: NATURAL (IVORY)
3: YELLOW
4: BLUE

X: LATCH COLOR
1: BLACK
2: NATURAL (IVORY)
3: YELLOW
4: BLUE

X: CONTACT PLATED
0: GOLD FLASH
1: 15u" Au ON CONTACT AREA
2: 30u" Au ON CONTACT AREA
3: 15u" MIN GXT
4: 30u" MIN GXT
5: 15u" Au ON CONTACT AREA AND 90u" Ni MIN ON UNDERPLATING:
6: 30u" Au ON CONTACT AREA AND 90u" Ni MIN ON UNDERPLATING:
8: 18u" AU ON CONTACT AREA

X: CUSTOMER CODE OPTION:
BLANK
0.....
9
A.....
Z

X: PACKING AND MYLAR OPTIONS
T: SOFT TRAY
H: HARD TRAY PACKAGE, WITH MYLAR "X"=50MM
J: HARD TRAY PACKAGE, WITH MYLAR "X"=70MM
K: HARD TRAY PACKAGE, WITHOUT MYLAR
M: HARD TRAY PACKAGE, WITH MYLAR "X"=90MM
C: HARD TRAY PACKAGE,WITH CAP "X"=70MM;"Y"=6MM
S: HARD TRAY PACKAGE, WITH MYLAR "X"=123.6MM

SEE SEQUENCE NUMBER TABLE

8. LASER MARKING DATE CODE:

XXXX XX XX
DAY
MONTH
YEAR



REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

SEQUENCE NUMBER		
CODE	OPTION DESCRIPTION	FIGURE DIM "H"
001	1. STANDARD HOUSING 2. STANDARD LATCH 3. FORK LOCK	 (2.50) (2.50)
002	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	 (2.65) (2.65)
005	1. STANDARD HOUSING 2. SHORT LATCH 3. FORK LOCK	 (2.50) (2.50)
006	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	 (2.65) (2.65)
007	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	 (1.85) (1.85)
008	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	 (1.85) (1.85)
009	1. STANDARD HOUSING 2. STANDARD LATCH 3. ONE FORK LOCK IN MIDDLE, TWO TABS ON BOTH SIDES	 (2.50) (1.85)
011	1. STANDARD HOUSING 2. LONG LATCH 3. METAL TAB	 (1.85) (1.85)
012	1. STANDARD HOUSING 2. LONG LATCH 3. FORK LOCK	 (2.50) (2.50)
.....		

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.35 .XX +/- 0.25 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 3° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (MM)		APPROVAL		DATE	Amphenol	
		DRAWN	Aaron.Cao	Aug.25,2025		
		CHECKED				
		CHECKED				
DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXX					TITLE	
					DDR5 287P R/LR DIMM CONNECTOR	
ANGLE OF PROJECTION 		SIZE	DRAWING NO.		REV.	
		A3	C DDR514XXXXXXXXX		4	
		SCALE	NONE		SHEET 7 OF 7	