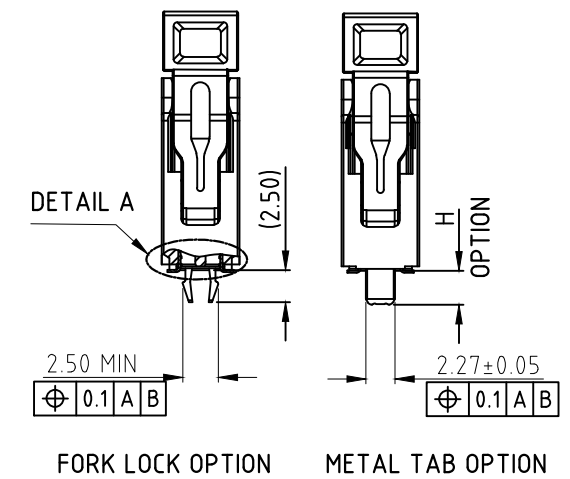
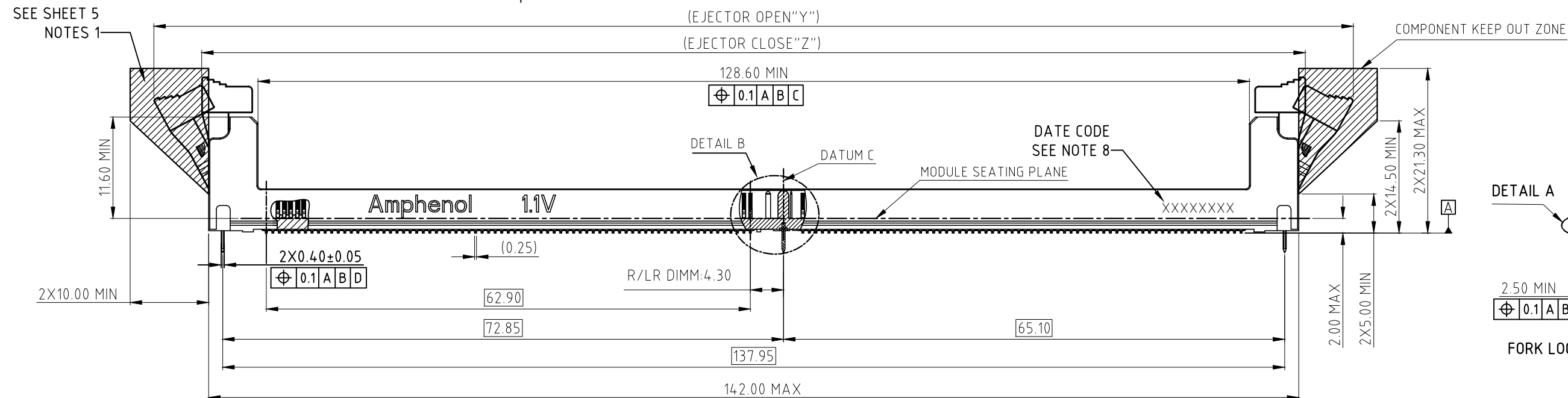
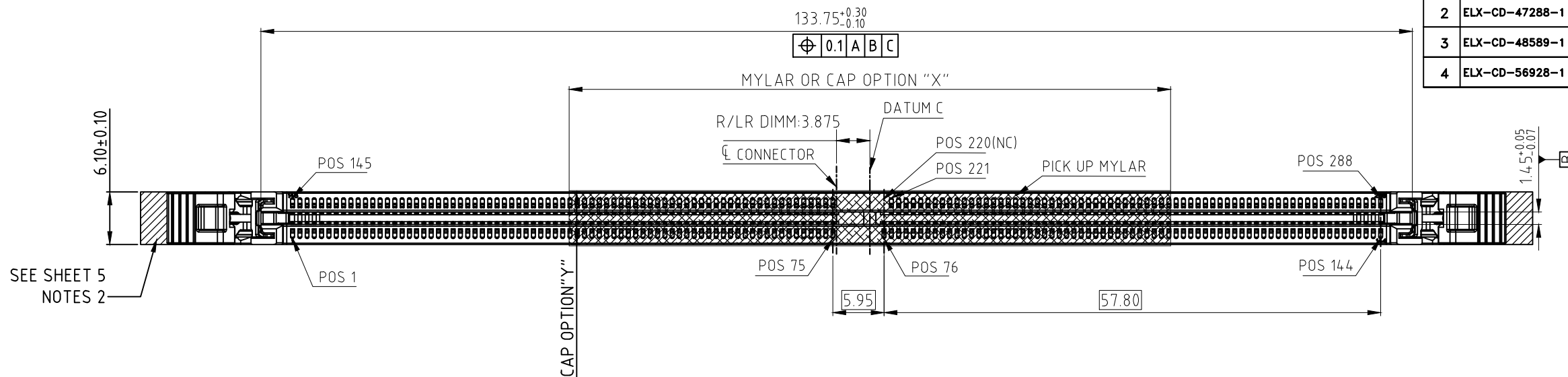


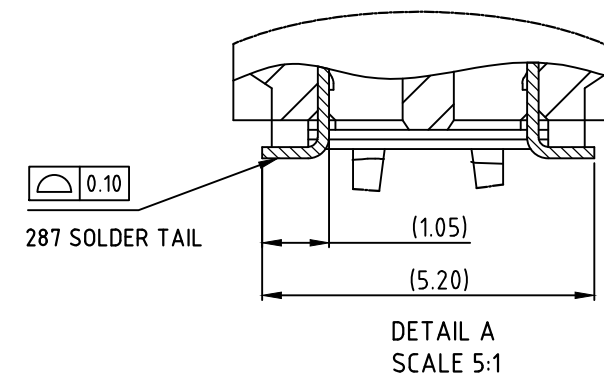
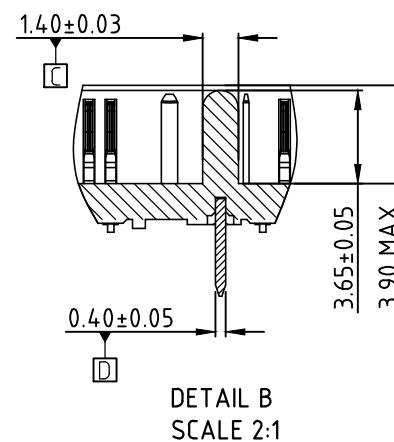
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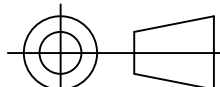
CUSTOMER DRAWING

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



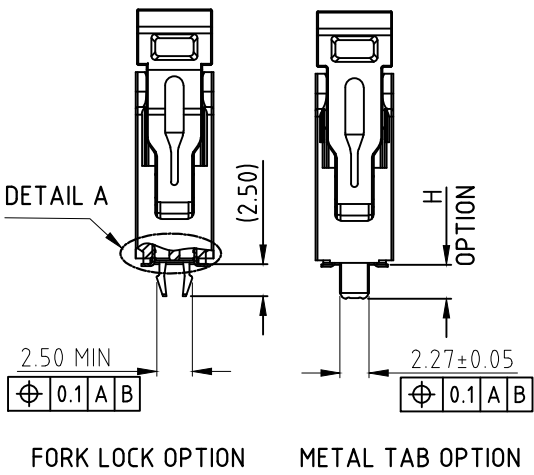
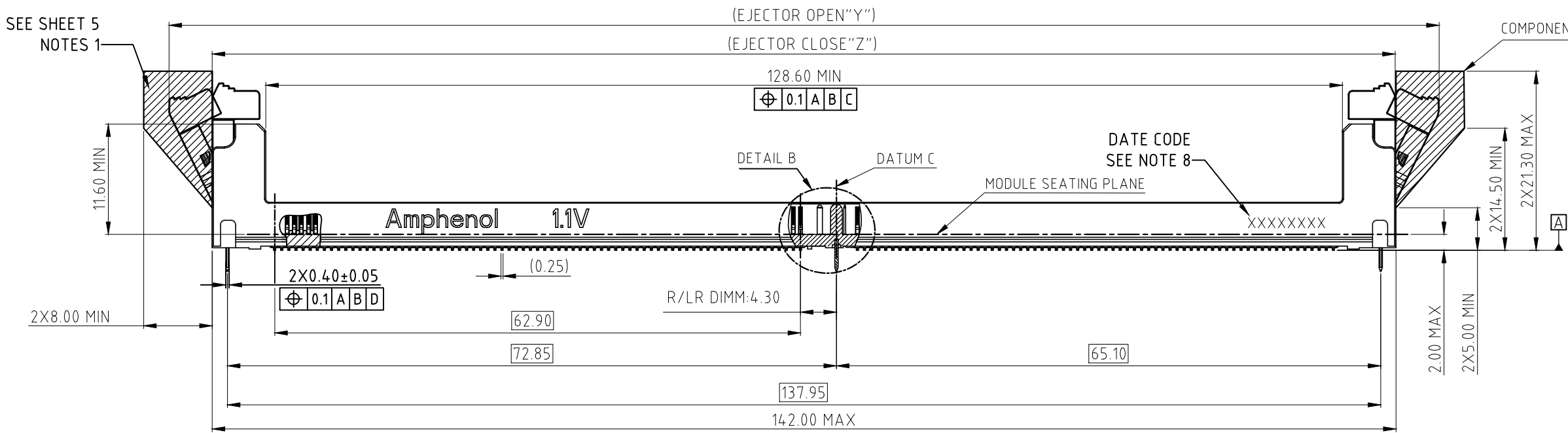
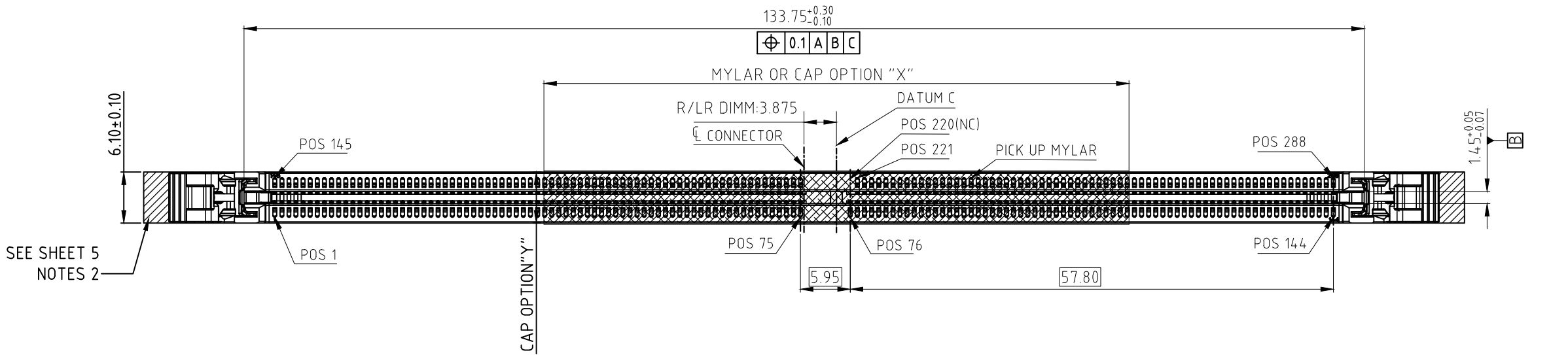
ITEM	EJECTOR OPEN DIMENSION"Y"	EJECTOR CLOSE DIMENSION"Z"	EJECTOR FIGURE
STANDARD LATCH	156.00 MAX	144.00 MAX	



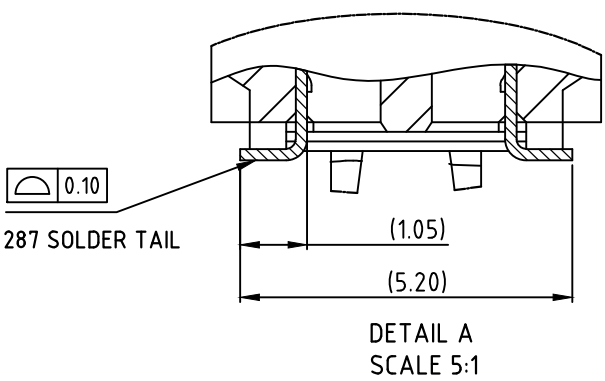
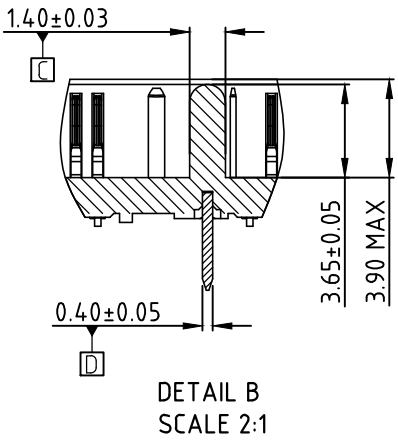
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .XX +/- .XXX +/- FRACTIONS +/- ANGLES +/- 3°		APPROVAL		DATE		Amphenol			
		DRAWN	Aaron.Cao	Aug.25,2025					
		CHECKED							
		CHECKED							
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :		DDR5 287P R/LR DIMM CONNECTOR					
		DRAWING\DDR\CDDR514XXXXXXX							
REMOVE SHARP EDGES		ANGLE OF PROJECTION				TITLE			
DIMENSIONS		SIZE				DRAWING NO.		REV.	
— U.S. — (METRIC) — INCHES — (MM)		A3				C DDR514XXXXXXX		4	
		SCALE		NONE		SHEET 1 OF 7			

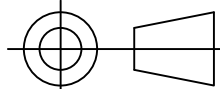
CUSTOMER DRAWING

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	

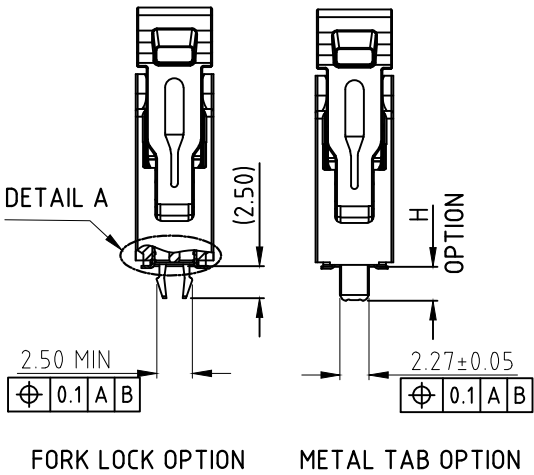
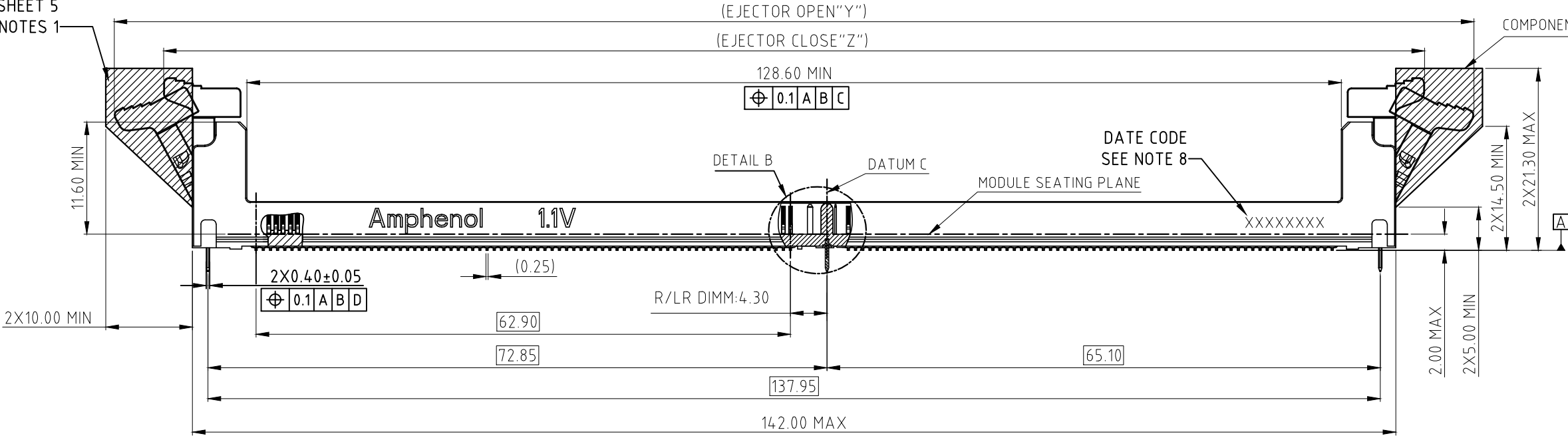
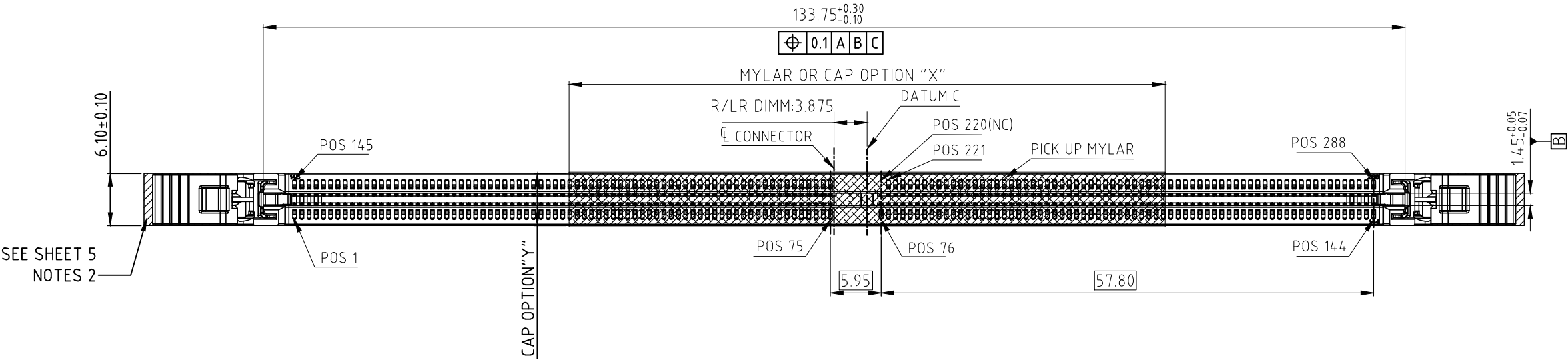


UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Aaron.Cao	Aug.25,2025			
		CHECKED					
		CHECKED					
.X +/-						TITLE	
.XX +/-							
.XXX +/-							
FRACTIONS +/-						DDR5 287P R/LR DIMM CONNECTOR	
ANGLES +/-		3°					
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :					
		DRAWING\DDR\CDDR514XXXXXXXXXX					
REMOVE SHARP EDGES		ANGLE OF PROJECTION					
DIMENSIONS							

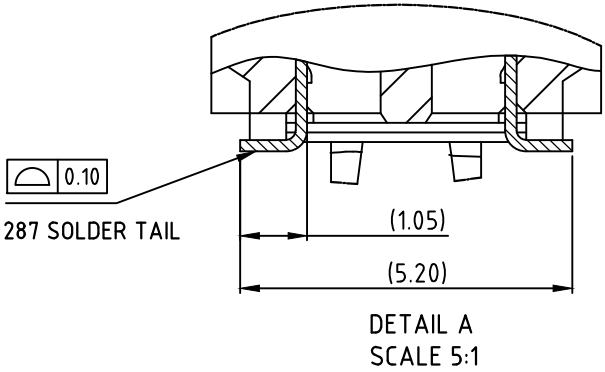
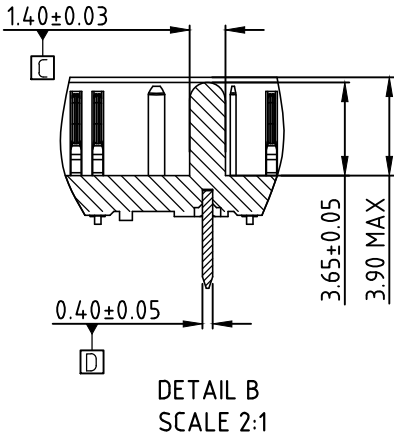
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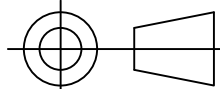
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



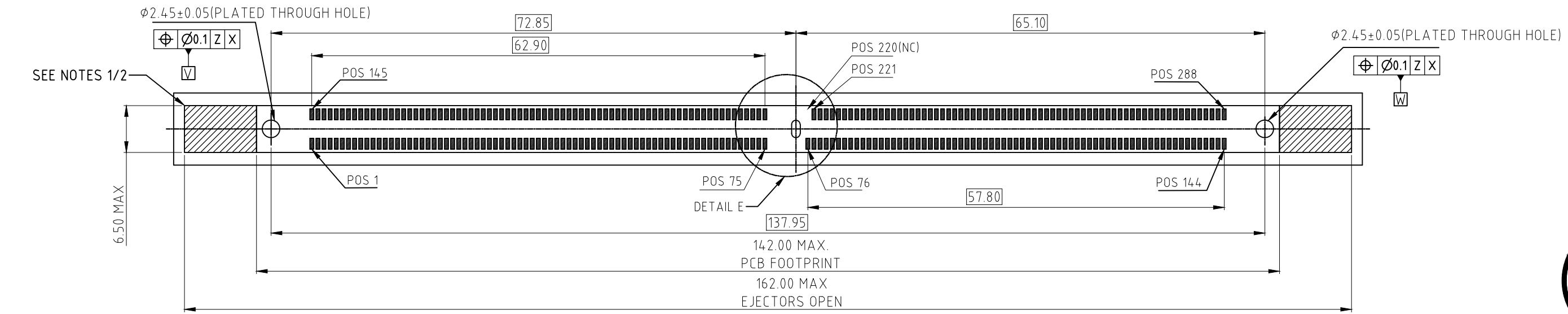
ITEM	EJECTOR OPEN DIMENSION "Y"	EJECTOR CLOSE DIMENSION "Z"	EJECTOR FIGURE
LONG LATCH	162.00 MAX	149.00 MAX	



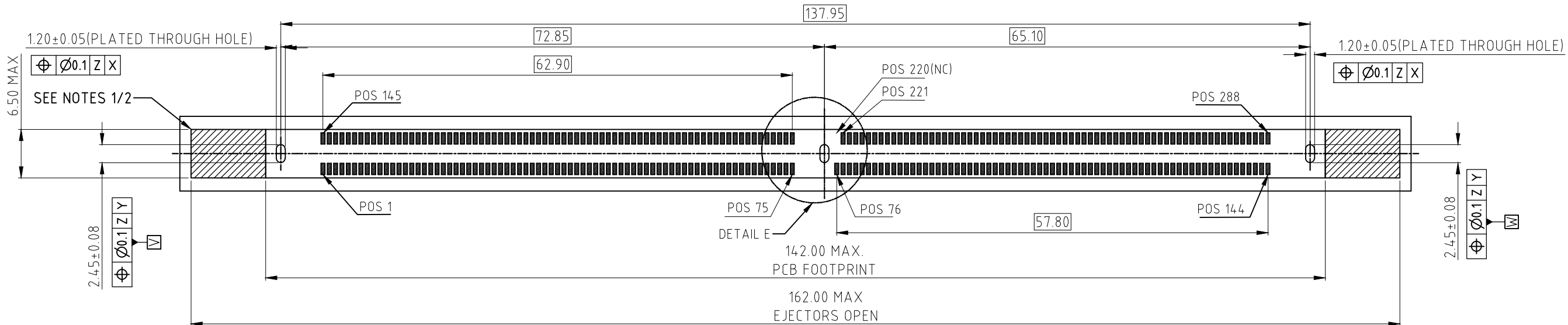
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.35 .XX +/- 0.25 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 3°		APPROVAL		DATE		Amphenol	
		DRAWN	Aaron.Cao	Aug.25,2025			
		CHECKED					
		CHECKED					
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :		DDR5 287P R/LR DIMM CONNECTOR			
DRAWING\DDR\CDDR514XXXXXXXXXX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

CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



RECOMMENDED PCB FOOTPRINT (OPTION 1)



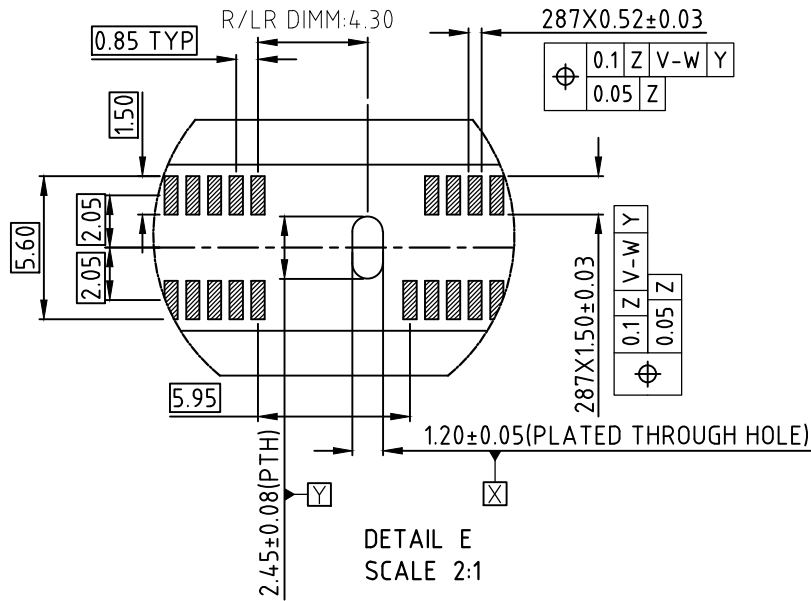
RECOMMENDED PCB FOOTPRINT (OPTION 2)

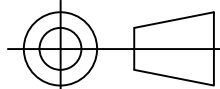
ADDITIONAL NOTES:

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



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Aaron.Cao	Aug.25,2025			
.X +/- 0.35		CHECKED					
.XX +/- 0.25		CHECKED					
.XXX +/- 0.15						TITLE DDR5 287P R/LR DIMM CONNECTOR	
FRACTIONS +/-							
ANGLES +/- 3°		DRAWING FILE : DRAWING\DDR\CDDR514XXXXXXXXXX					
FOR MATERIALS AND FINISHES SEE NOTES		ANGLE OF PROJECTION					
REMOVE SHARP EDGES							
DIMENSIONS							
— U.S. —		SIZE				DRAWING NO.	
— INCHES —		A3				C DDR514XXXXXXXXXX	
(METRIC)		SCALE				REV.	
(MM)		NONE				4	
		SHEET 5				OF 7	

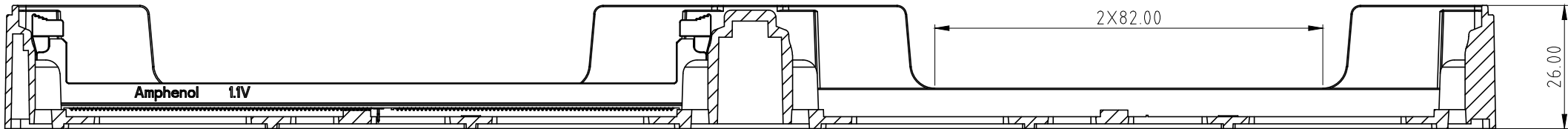
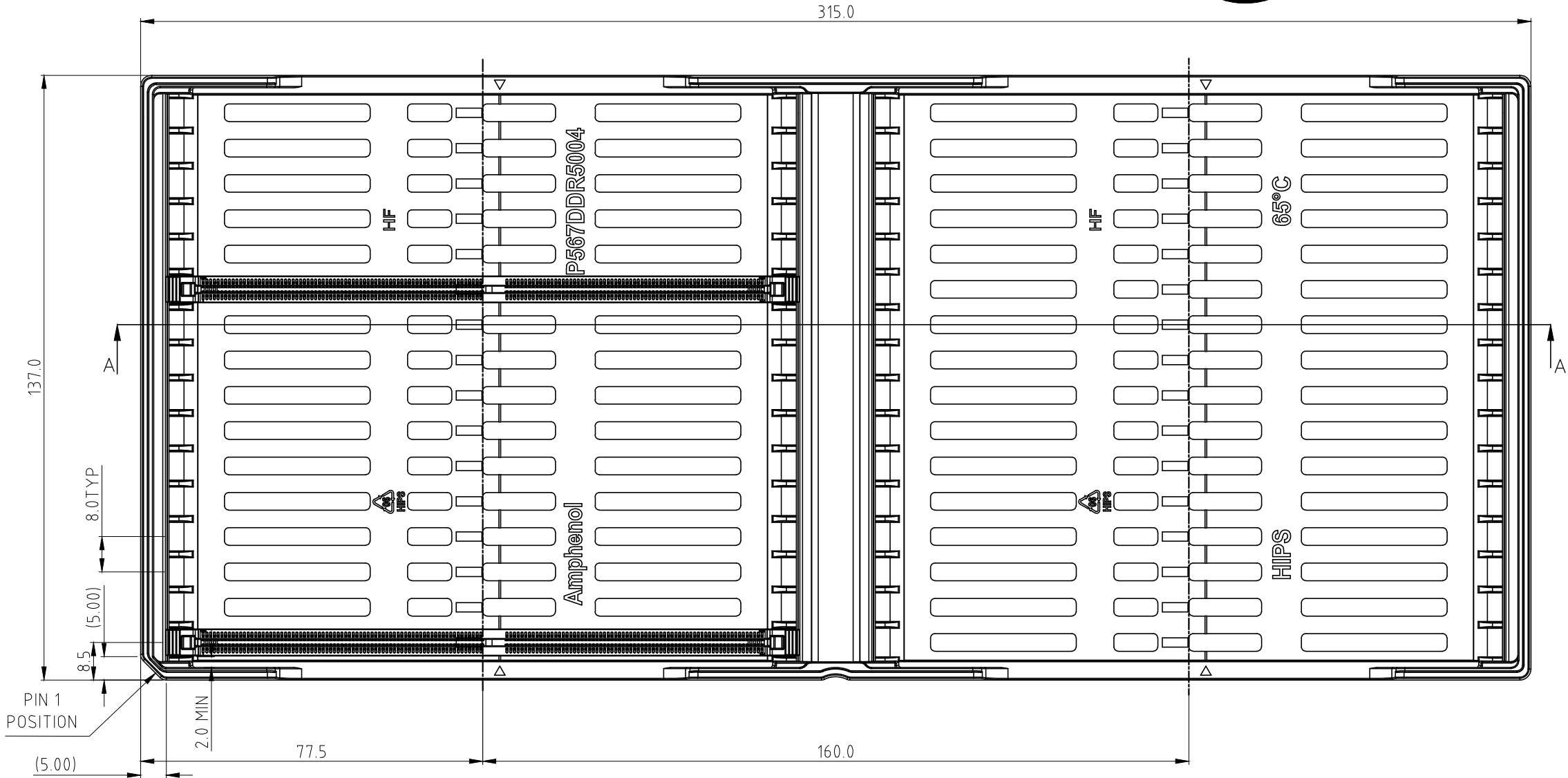
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CUSTOMER DRAWING



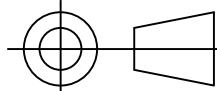
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

PACKING TRAY DRAWING



SECTION A-A

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

UNLESS OTHERWISE SPECIFIED TOLERANCES			APPROVAL		DATE	Amphenol			
U.S. METRIC			DRAWN	Aaron.Cao	Aug.25,2025				
			CHECKED						
			CHECKED						
.X +/-						TITLE DDR5 287P R/LR DIMM CONNECTOR			
.XX +/-									
.XXX +/-									
FRACTIONS +/-									
ANGLES +/-									
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.
						A3	C DDR514XXXXXXXXXX		4
(METRIC)	(MM)					SCALE	NONE		SHEET 6 OF 7

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

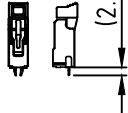
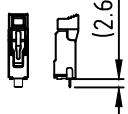
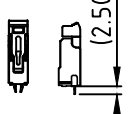
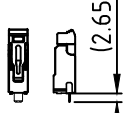
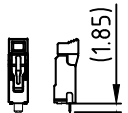
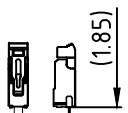
SEE SEQUENCE NUMBER TABLE

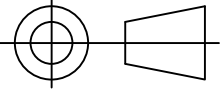
8. LASER MARKING DATE CODE:

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)
002	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	 (2.65)
005	1. STANDARD HOUSING 2. SHORT LATCH 3. FORK LOCK	 (2.50)
006	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	 (2.65)
007	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	 (1.85)
008	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	 (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)
012	1. STANDARD HOUSING 2. LONG LATCH 3. FORK LOCK	 (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		ANGLE OF PROJECTION			TITLE	
					DDR5 287P R/LR DIMM CONNECTOR	
		SIZE	DRAWING NO.		REV.	
		A3	C DDR514XXXXXXXXX		4	
		SCALE	NONE		SHEET 7 OF 7	