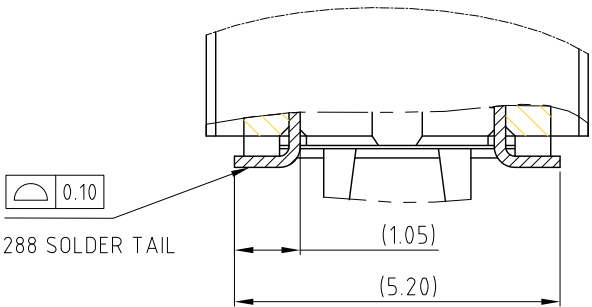
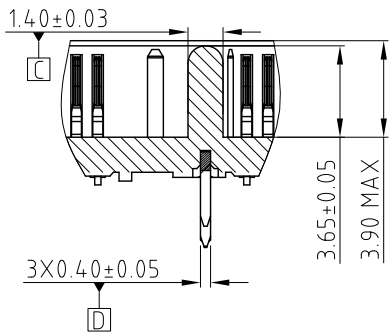
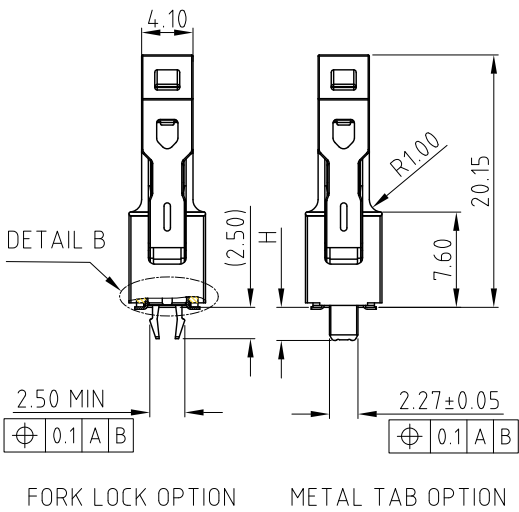
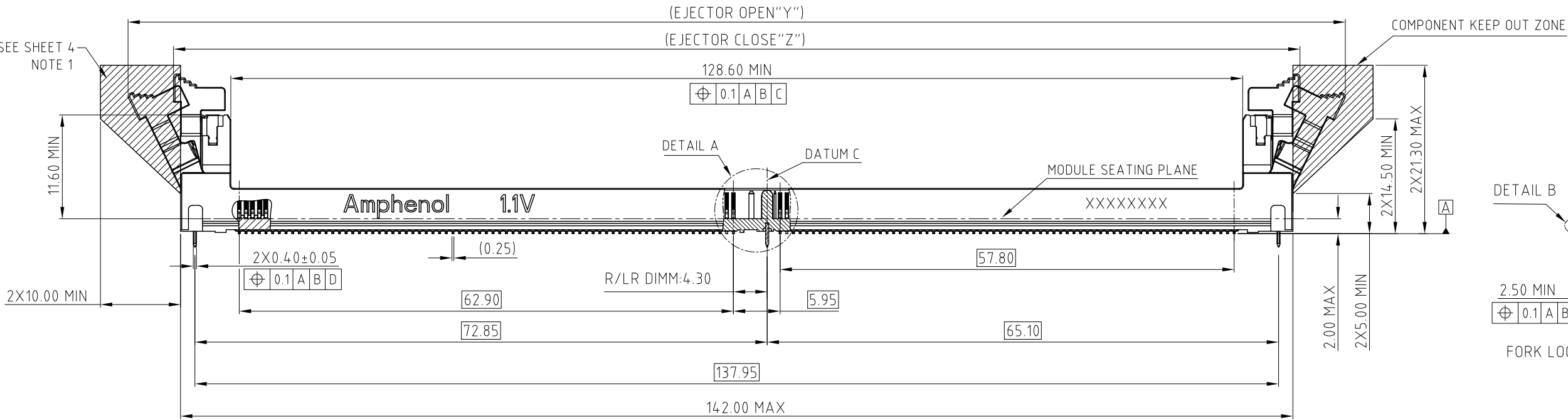
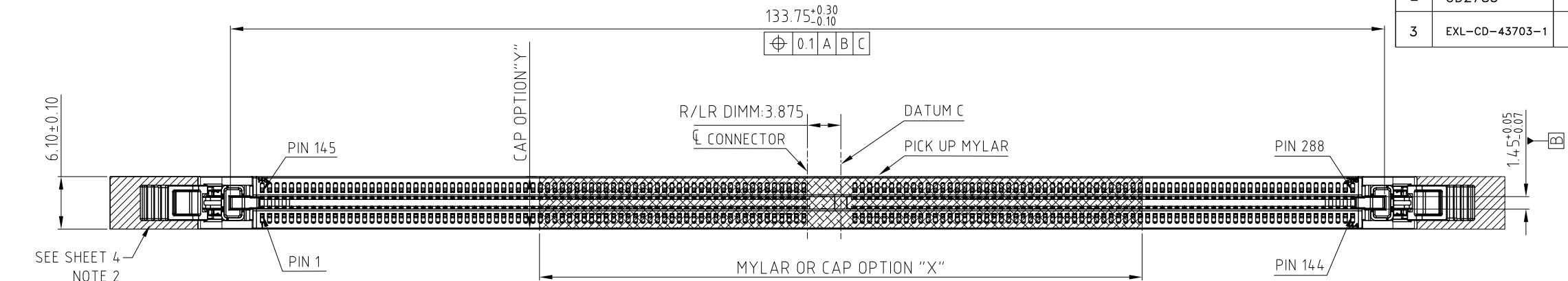
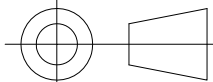


CUSTOMER DRAWING

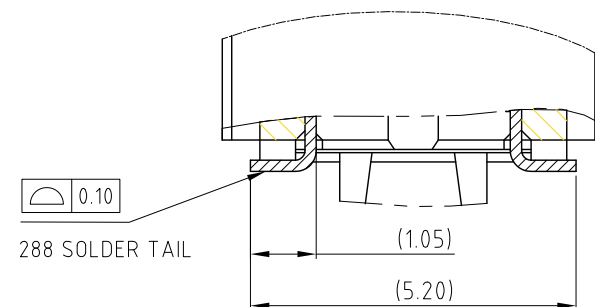
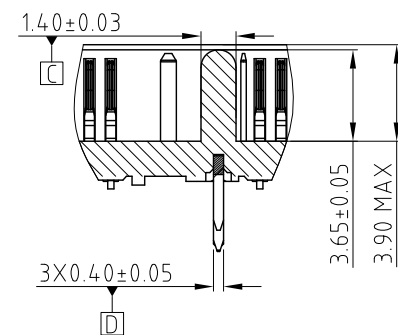
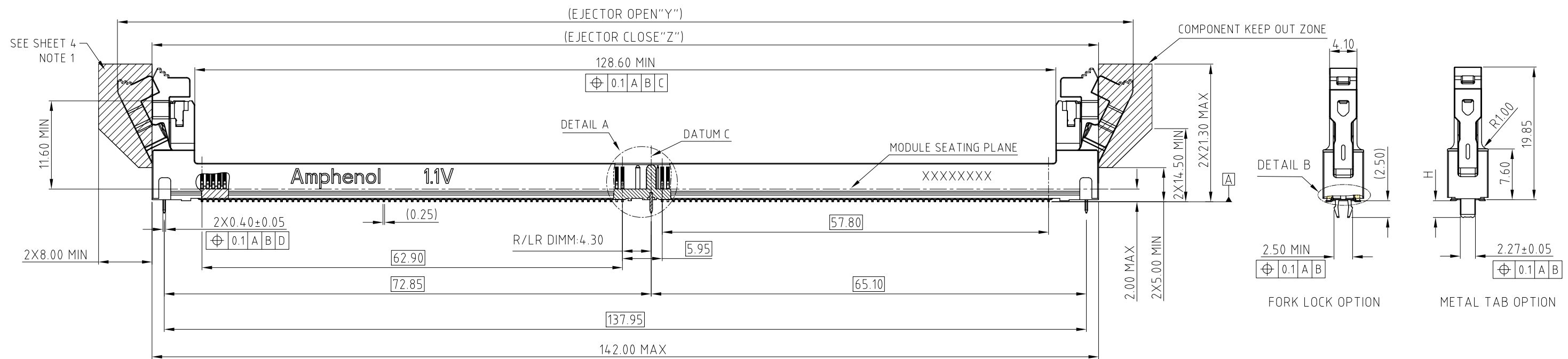
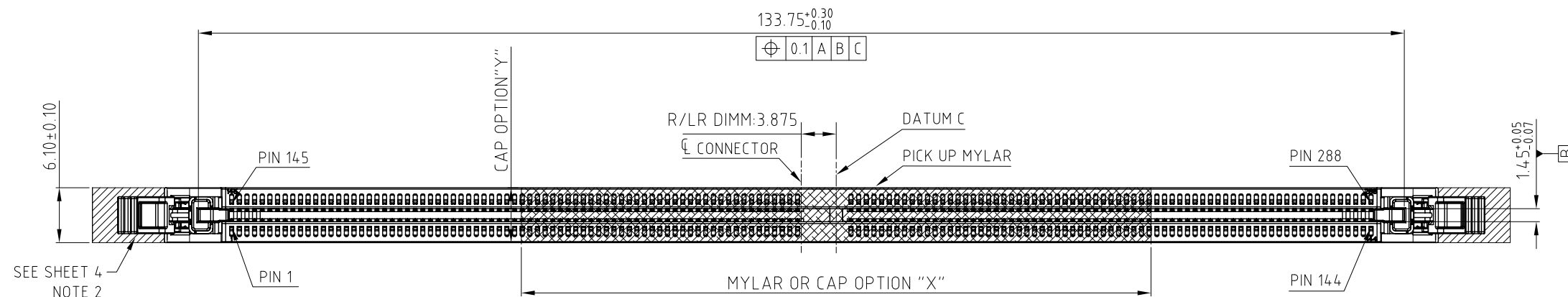
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	CD2668	FIRST RELEASED	Jun.4,2021	YH
2	CD2783	UPDATED NOTES	Sep.13,2021	YH
3	EXL-CD-43703-1	CHANGE THE HOUSING TOWER RADIUS FROM R0.5 TO R1.0	Feb.10,2022	YH



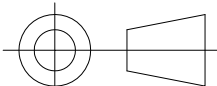
ITEM	EJECTOR OPEN DIMENSION "Y"	EJECTOR CLOSE DIMENSION "Z"	EJECTOR FIGURE
NARROW STANDARD LATCH	156.00	144.00	

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE	Amphenol			
U.S.	METRIC	DRAWN	Henry.he	Feb.10,2022				
.X	+/-	0.35	CHECKED		TITLE			
.XX	+/-	0.25	CHECKED					
.XXX	+/-	0.15	DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXQ			DDR5 288P R/LR DIMM CONNECTOR		
FRACTIONS	+/-							
ANGLES	+/-	3°	ANGLE OF PROJECTION			SIZE A3		
FOR MATERIALS AND FINISHES SEE NOTES						DRAWING NO.		REV.
REMOVE SHARP EDGES						C DDR5-06-X-X-X-XXX-X-Q		3
DIMENSIONS			SCALE			NONE		SHEET 1 OF 6
U.S.	INCHES							
(METRIC)	(MM)							

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



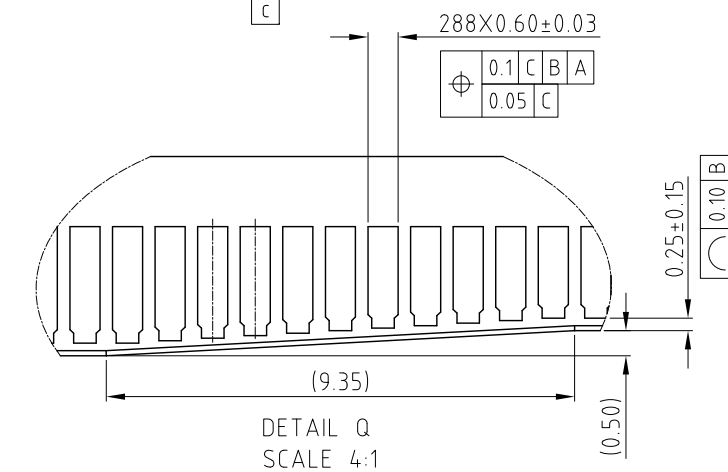
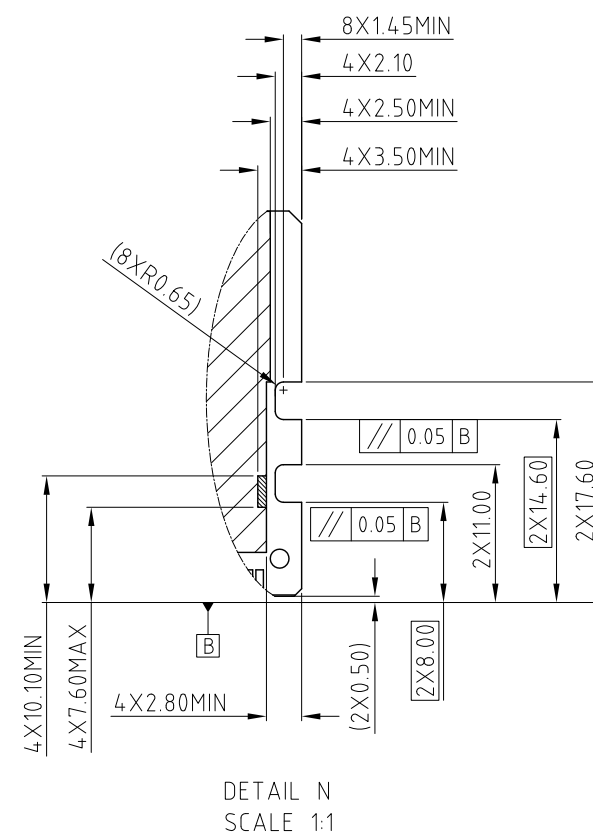
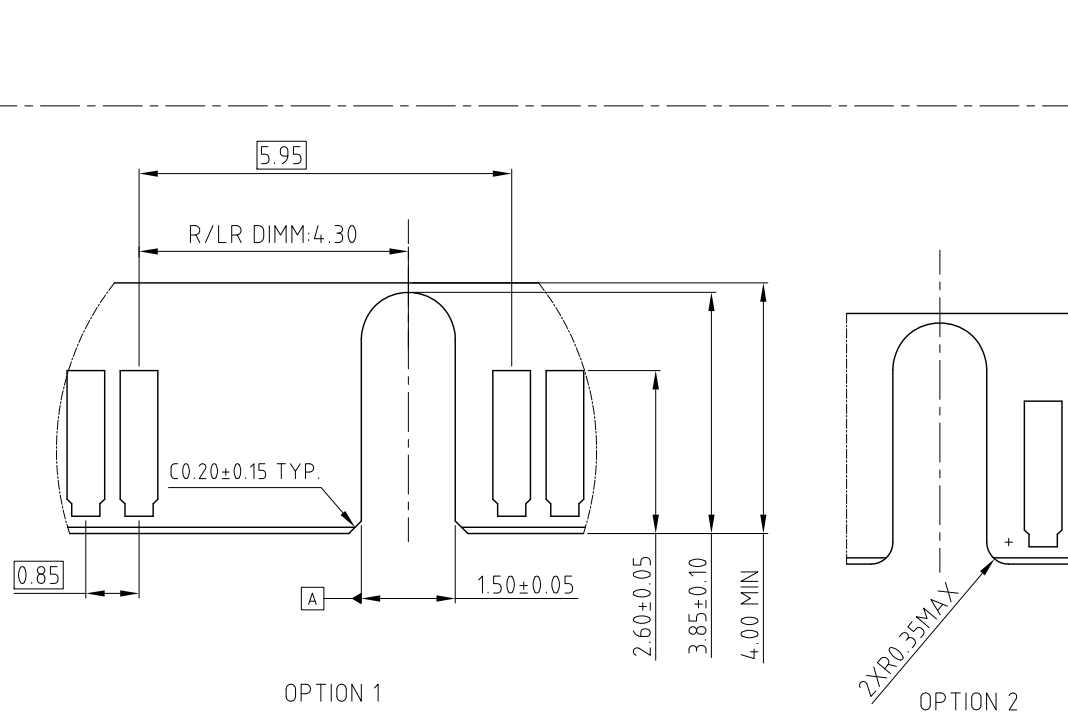
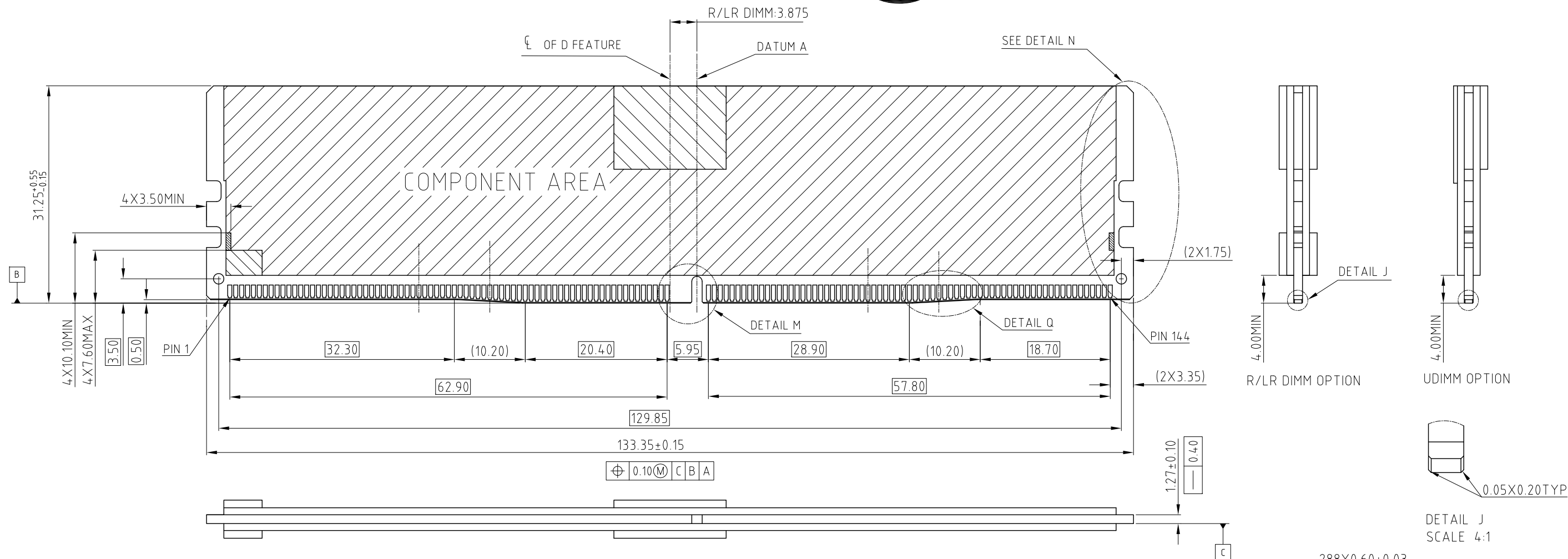
ITEM	EJECTOR OPEN DIMENSION"Y"	EJECTOR CLOSE DIMENSION"Z"	EJECTOR FIGURE
NARROW SHORT LATCH	152.00	142.00	

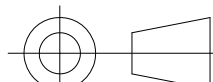
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.35 .XX +/- 0.25 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 3° FOR MATERIALS AND FINISHES SEE NOTES		APPROVAL		DATE		Amphenol	
		DRAWN	Henry.he	Feb.10,2022			
		CHECKED					
		CHECKED					
REMOVE SHARP EDGES		DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXXQ				TITLE DDR5 288P R/LR DIMM CONNECTOR	
DIMENSIONS		ANGLE OF PROJECTION					
— U.S. —							
(METRIC)							
(MM)		SCALE		NONE		SHEET 2 OF 6	



REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

DDR5 MODULE
MORE INFORMATION REFER TO JEDEC MO-329

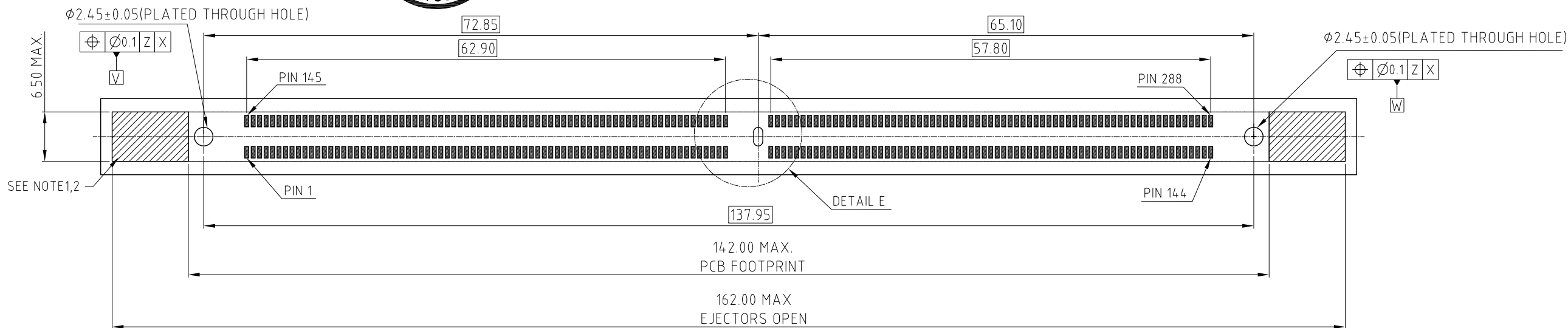


UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Henry.he	Feb.10,2022			
.X +/- 0.35		CHECKED					
.XX +/- 0.25		CHECKED					
.XXX +/- 0.15		DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXXQ				TITLE DDR5 288P R/LR DIMM CONNECTOR	
FRACTIONS +/-							
ANGLES +/- 3°							
FOR MATERIALS AND FINISHES SEE NOTES							
REMOVE SHARP EDGES		ANGLE OF PROJECTION		SIZE DRAWING NO.		REV.	
DIMENSIONS							
— U.S. —	— INCHES —						
(METRIC)	(MM)						
		A3		C DDR5-06-X-X-X-XXX-X-Q		3	
		SCALE		NONE		SHEET 3 OF 6	

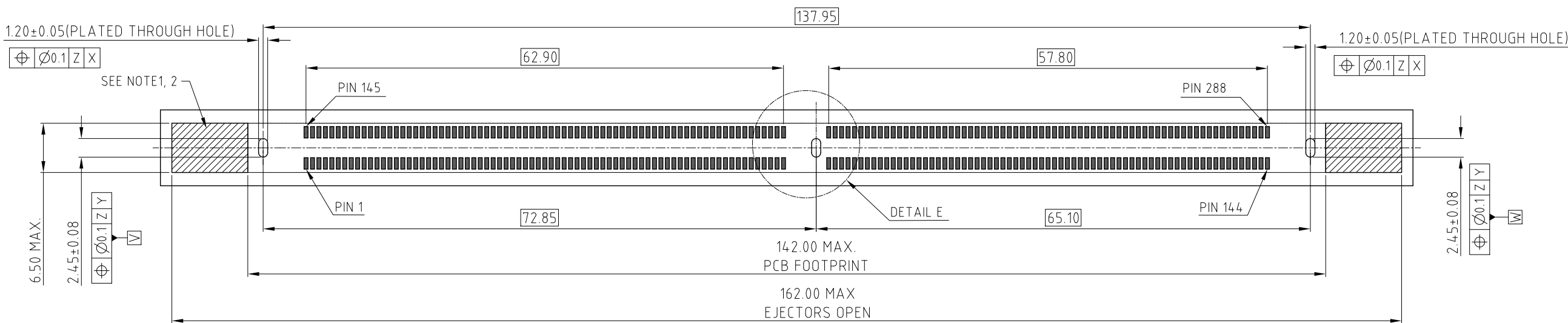


CUSTOMER DRAWING

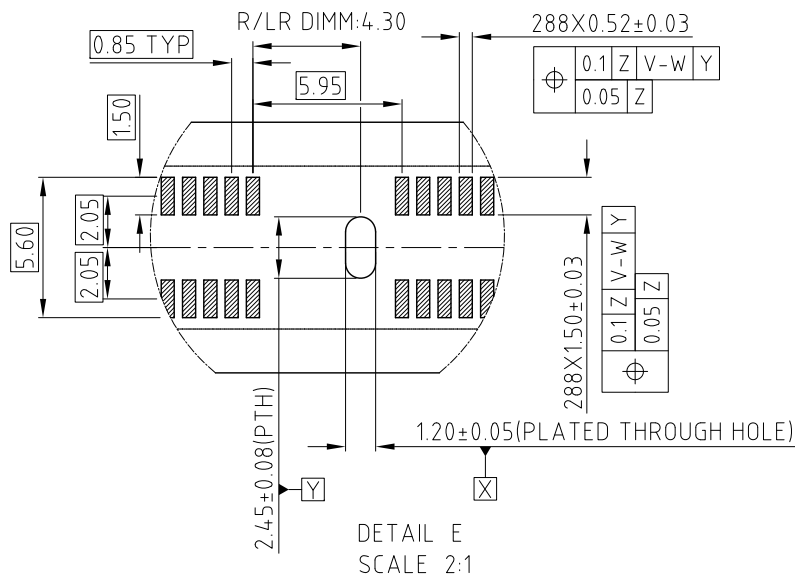
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



RECOMMENDED PCB FOOTPRINT (OPTION 1)



RECOMMENDED PCB FOOTPRINT (OPTION 2)

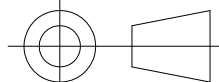


ADDITIONAL NOTES:

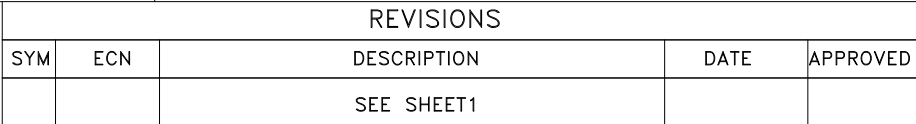
- 1.KEEP OUT CROSS HATCH IS RESERVED FOR SOCKET EJECTORS AT BOTH ENDS
- 2.KEEP OUT ZONE IS HEIGHT LIMITED PER NOTE 1
- 3.RECOMMENDED STENCIL THICKNESS :

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 Henry.he		Feb. 10, 2022			
.X +/— 0.35		CHECKED		TITLE		DDR5 288P R/LR DIMM CONNECTOR	
.XX +/— 0.25		CHECKED					
.XXX +/— 0.15		CHECKED					
FRACTIONS +/-		DRAWING FILE :		ANGLE OF PROJECTION		SIZE DRAWING NO. REV. A3 C DDR5-06-X-X-X-XXX-X-Q 3	
ANGLES +/- 3°		DRAWING\DDR\CDDR506XXXXXXQ					
FOR MATERIALS AND FINISHES SEE NOTES		REMOVE SHARP EDGES		SCALE		NONE	
DIMENSIONS				SHEET		4 OF 6	
— U.S. —		— INCHES —					
(METRIC)		(MM)					

CUSTOMER DRAWING



This technical drawing illustrates a 16-pin connector housing, likely for a high-speed digital interface. The drawing includes a top view and a side view, with dimensions in millimeters (mm) and inches (in).

Top View Dimensions:

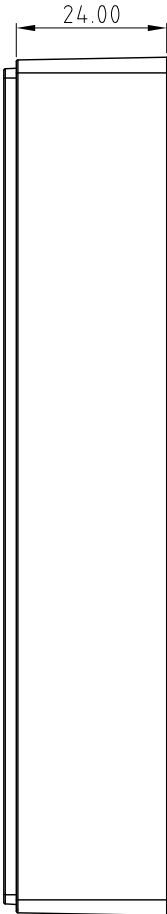
- Overall Width: 315.0 mm (12.39 in)
- Overall Height: 137.0 mm (5.39 in)
- Pin 1 Position: 8.5 mm (0.33 in) from the left edge.
- Pin Pitch: 8.0 TYP (0.31 in).
- Pin 16 Position: 160.0 mm (6.30 in) from the left edge.
- Pin 15 Position: 77.5 mm (3.05 in) from the left edge.
- Pin 14 Position: 2.0 MIN (0.08 in) from the left edge.

Internal Components and Labels:

- Amphenol:** Label for the main connector housing.
- P567DDR5004:** Label for the internal component, likely a DDR5 memory module.
- HF:** Label for the High Frequency component.
- 65°C:** Label for the temperature rating.
- HIPS:** Label for the High Impact Polystyrene material.

Side View Dimensions:

- Overall Height: 137.0 mm (5.39 in).
- Pin 1 Position: 8.5 mm (0.33 in) from the left edge.
- Pin Pitch: 8.0 TYP (0.31 in).
- Pin 16 Position: 160.0 mm (6.30 in) from the left edge.
- Pin 15 Position: 77.5 mm (3.05 in) from the left edge.
- Pin 14 Position: 2.0 MIN (0.08 in) from the left edge.



Technical drawing of a cable assembly cross-section. The drawing shows a central cable labeled "Amphenol 11V" with a length dimension of "2X82.00". The cable is flanked by two large, complex mechanical components. A vertical dimension of "26.00" is shown on the right side.

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
DRAWN	Henry.he	Feb.10,2022
CHECKED		
CHECKED		

DRAWING FILE :
DRAWING\DDR\CDDR506XXXXXXX

ANGLE OF PROJECTION

The diagram illustrates the first angle of projection. It consists of two main parts: a circular end view on the left and a side view of a truncated cone on the right. The circular view is defined by two concentric circles, with a vertical centerline passing through their common center. The side view is a trapezoid representing the cone's profile, with its vertical axis aligned with the centerline of the circular view. A horizontal projection line extends from the right side of the circular view to the left side of the trapezoid, indicating the viewing direction. The entire symbol is enclosed within a rectangular frame.

Amphenol

TITLE

DDR5 288P R/LR DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR5-06-X-X-X-XXX-X-Q	3
SCALE	NONE	SHEET 5 OF 6

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CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

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. 500ADC.
 - 3.3 DIELECTRIC WITHSTANDING 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

06: SMT,288P, R/LR DIMM CONNECTOR

.....

X: HOUSING COLOR

1: BLACK

2: NATURAL (IVORY)

3: YELLOW

4: BLUE

100 90 80 70 60 50 40 30 20 10 0

X: LATCH COLOR

1: BLACK

2: NATURAL (IVORY)

3: YELLOW

4: BLUE

1000

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

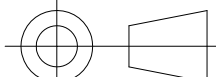
X: CUSTOMER CODE OPTION:
Q: FOR QUANTA

X: PACKING AND MYLAR OPTIONS
T: SOFT TRAY
H: HARD TRAY PACKAGE, WITH MYLAR "X"=40MM
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

SEE SEQUENCE NUMBER TABLE

SEQUENCE NUMBER		
CODE	OPTION DESCRIPTION	FIGURE (H)
001	1. NARROW HOUSING 2. NARROW STANDARD LATCH 3. FORK LOCK	 (2.50)
002	1. NARROW HOUSING 2. NARROW STANDARD LATCH 3. METAL TAB	 (2.65)
003	1. NARROW HOUSING 2. NARROW STANDARD LATCH 3. METAL TAB	 (1.85)
004	1. NARROW HOUSING 2. NARROW SHORT LATCH 3. FORK LOCK	 (2.50)
005	1. NARROW HOUSING 2. NARROW SHORT LATCH 3. METAL TAB	 (2.65)
006	1. NARROW HOUSING 2. NARROW SHORT LATCH 3. METAL TAB	 (1.85)



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol		
U.S. METRIC		DRAWN	Henry.he	Feb.10,2022				
.X +/- 0.35		CHECKED				TITLE		
.XX +/- 0.25		CHECKED						
.XXX +/- 0.15								
FRACTIONS +/-						DDR5 288P R/LR DIMM CONNECTOR		
ANGLES +/- 3°								
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXQ						
REMOVE SHARP EDGES		ANGLE OF PROJECTION						
DIMENSIONS								
U.S.	INCHES					SIZE	DRAWING NO.	REV.
(METRIC)	(MM)					A3	C DDR5-06-X-X-X-XXX-X-Q	3
		SCALE		NONE		SHEET 6 OF 6		