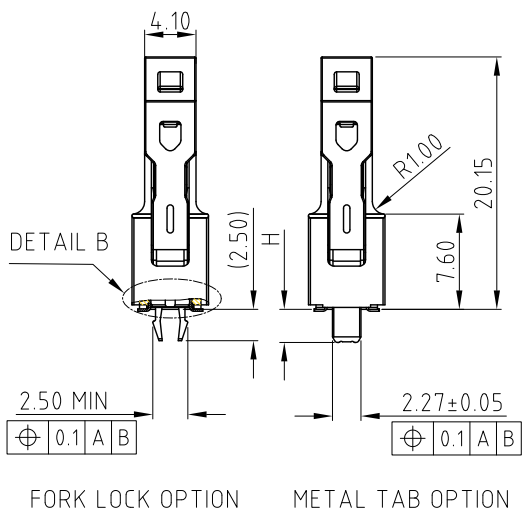
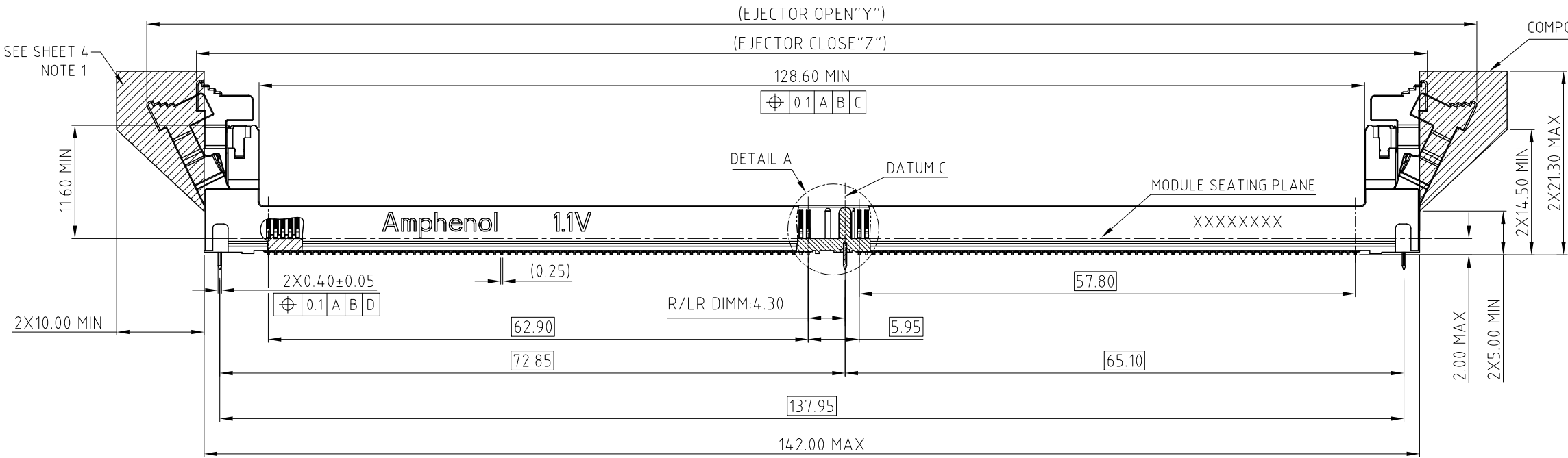
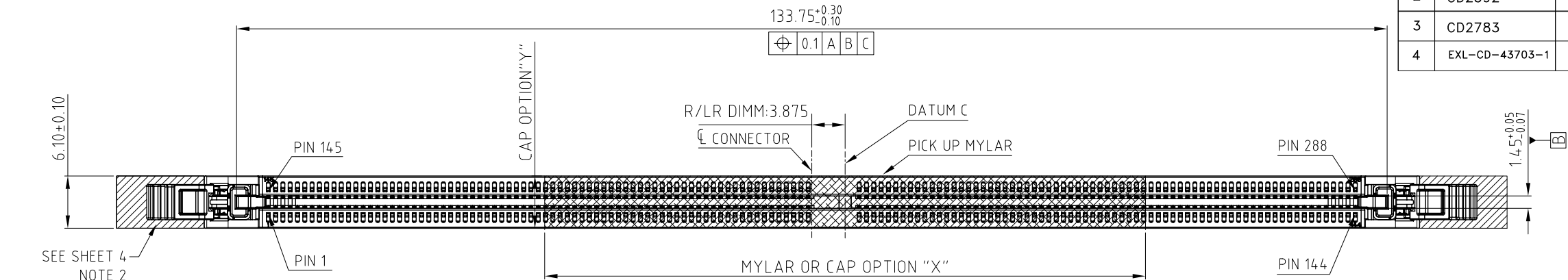


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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	CD2527	FIRST RELEASED	Mar.17,2021	YH
2	CD2592	UPDATED THE LATCH	Apr.23,2021	YH
3	CD2783	UPDATED NOTES	Sep.01,2021	YH
4	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

.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

DRAWN Henry.he

CHECKED

CHECKED

DRAWING FILE :
DRAWING\DDR\CDDR506XXXXXXL

ANGLE OF PROJECTION

DATE
Feb.10,2022

TITLE

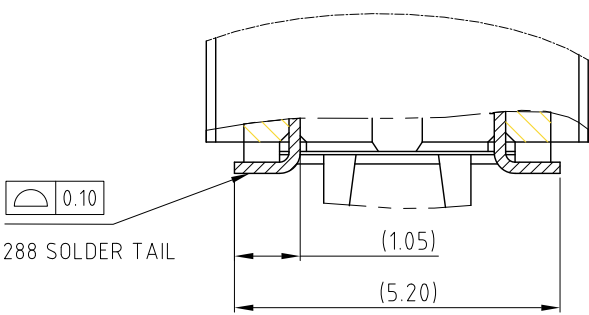
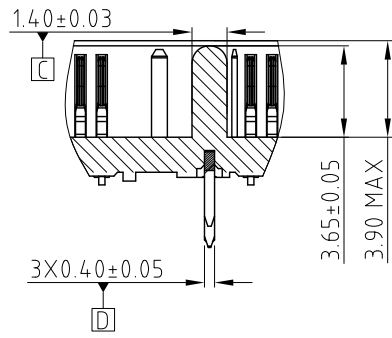
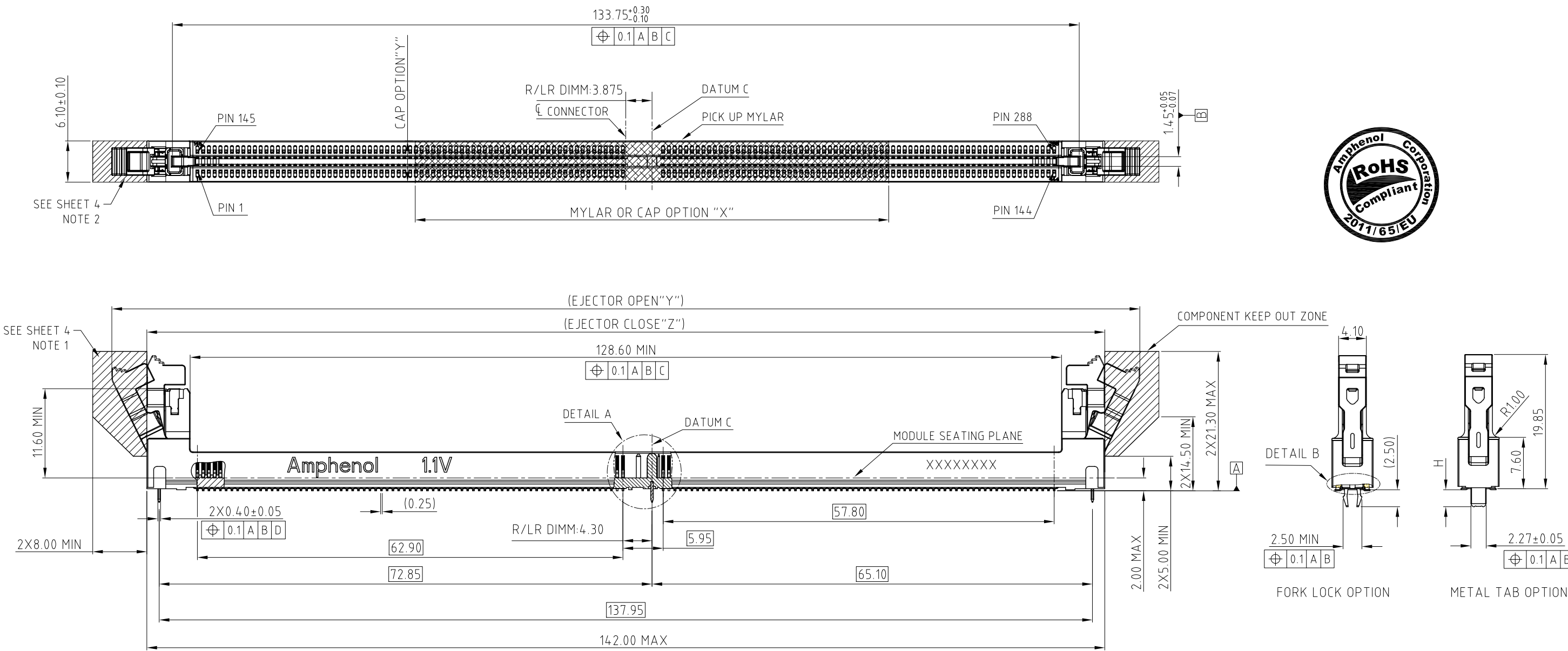
DDR5 288P R/LR DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR5-06-X-X-X-XXX-X-L	4
SCALE	NONE	SHEET 1 OF 6

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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
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

REMOVE SHARP EDGES

DIMENSIONS

U.S.	INCHES
(METRIC)	(MM)

APPROVAL

DRAWN	Henry.he	DATE	Feb.10,2022
CHECKED			
CHECKED			

DRAWING FILE :
DRAWING\DDR\CDDR506XXXXXXL

ANGLE OF PROJECTION

Amphenol

TITLE

DDR5 288P R/LR DIMM CONNECTOR

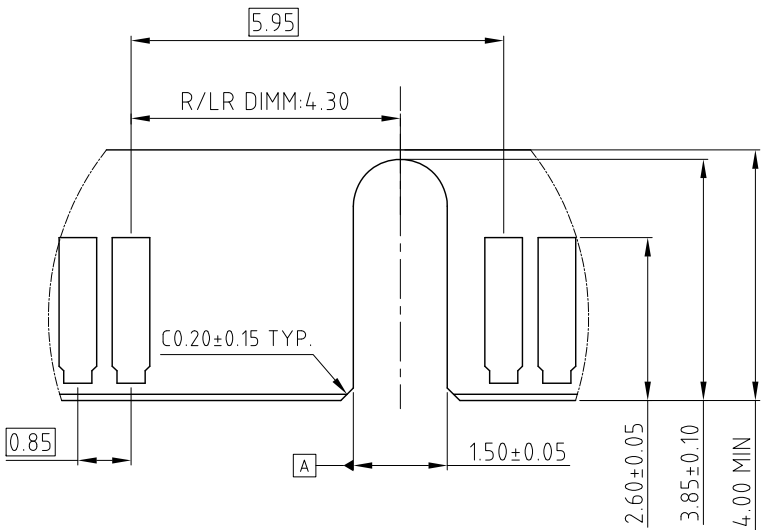
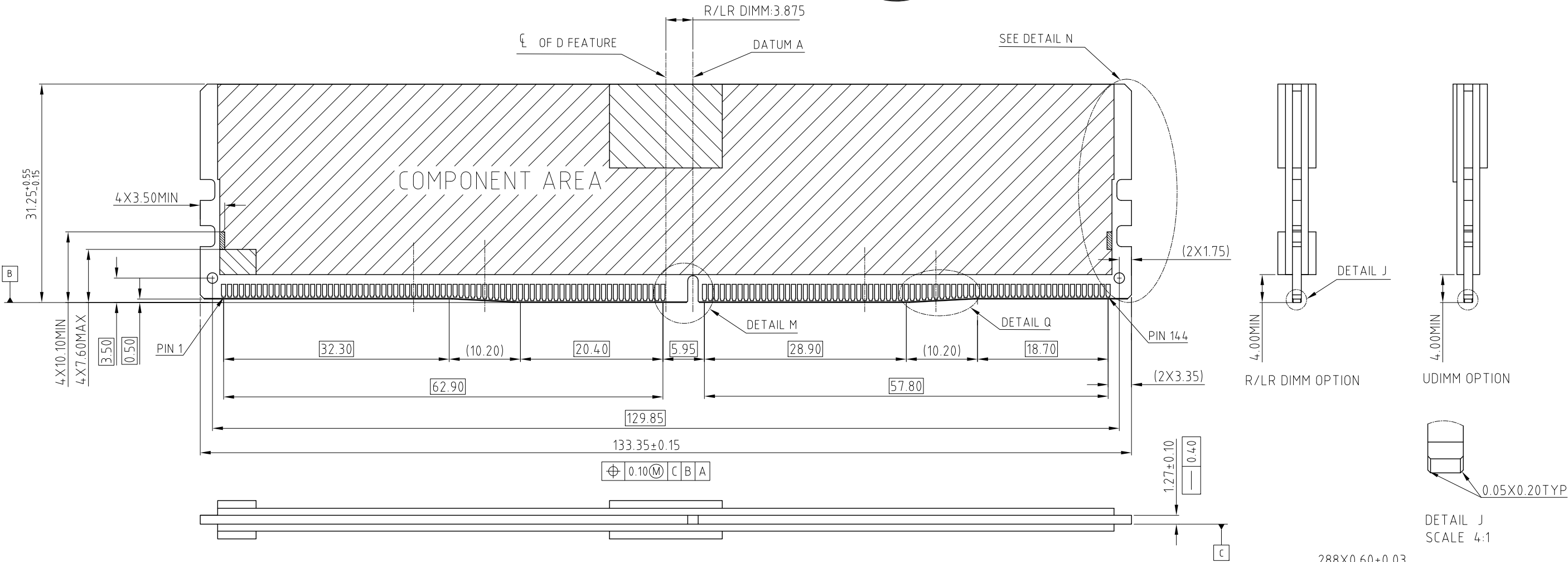
SIZE	DRAWING NO.	REV.
A3 C	DDR5-06-X-X-X-XXX-X-L	4

SCALE	NONE	SHEET 2 OF 6
-------	------	--------------

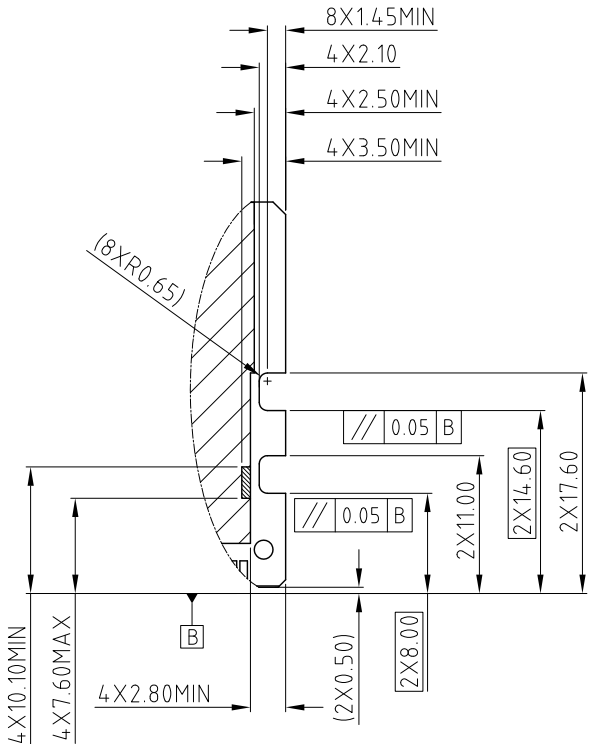


SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

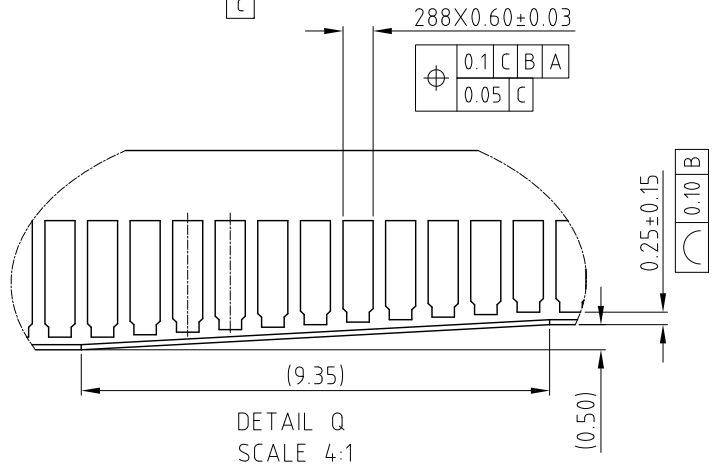
DDR5 MODULE
MORE INFORMATION REFER TO JEDEC MO-329

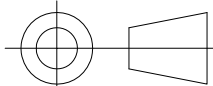


DETAIL M
SCALE 5:1



DETAIL N
SCALE 1:1

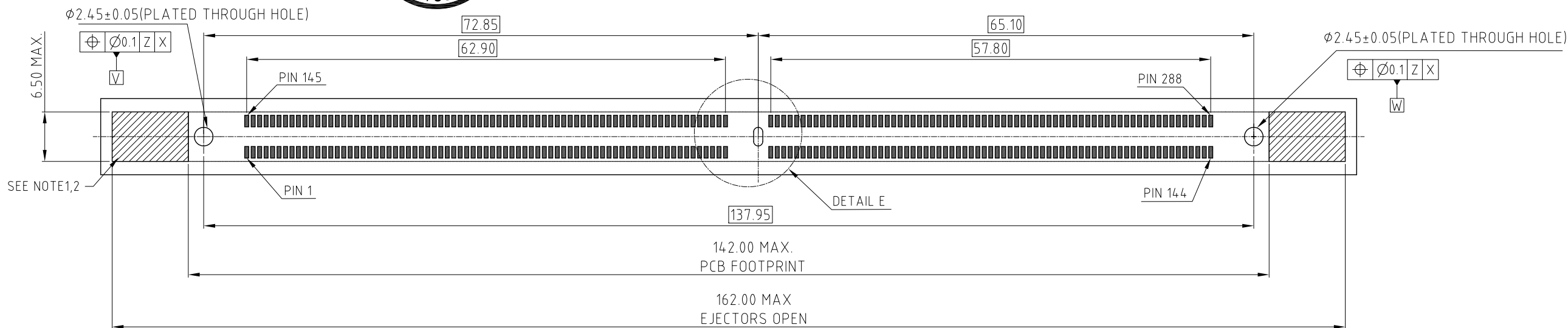


UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.35 .XX +/- 0.25 .XXX +/- 0.15 FRACTIONS +/- 3" ANGLES +/-		APPROVAL		DATE	Amphenol
		DRAWN	Henry.he	Feb.10,2022	
FOR MATERIALS AND FINISHES SEE NOTES		CHECKED			TITLE DDR5 288P R/LR DIMM CONNECTOR
		CHECKED			
REMOVE SHARP EDGES		DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXL			
DIMENSIONS		ANGLE OF PROJECTION			
		SIZE A3			
U.S. INCHES		DRAWING NO.			REV.
(METRIC) (MM)		A3 C DDR5-06-X-X-X-XXX-X-L			4
		SCALE		NONE	SHEET 3 OF 6

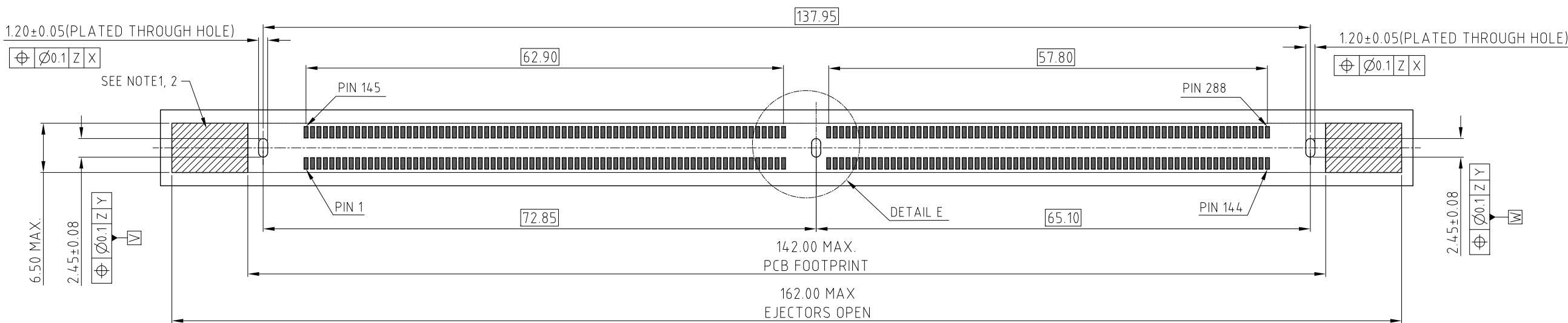


CUSTOMER DRAWING

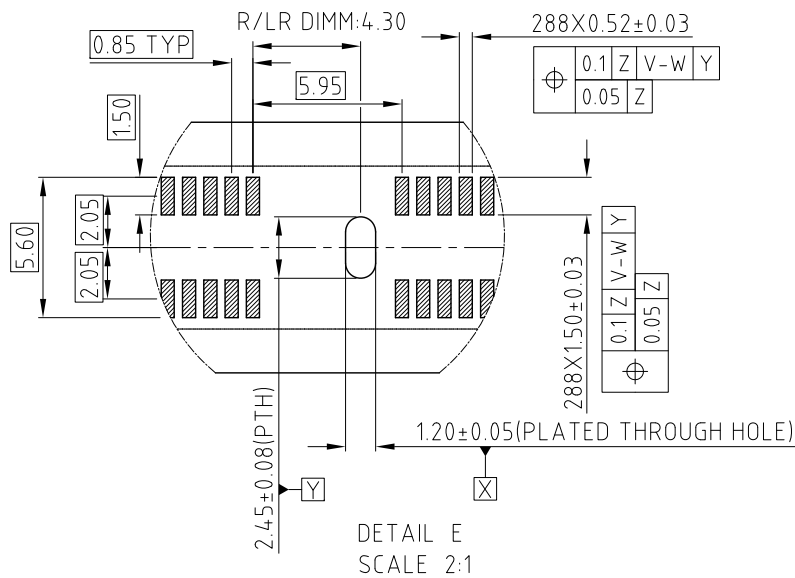
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



RECOMMENDED PCB FOOTPRINT (OPTION 1)



RECOMMENDED PCB FOOTPRINT (OPTION 2)

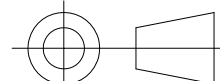


ADDITIONAL NOTES:

- 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							
.XXX +/- 0.15		CHECKED					
FRACTIONS +/-		DRAWING FILE :		Ddrawing\DDR\CDDR506XXXXXXL			
ANGLES +/- 3°		DRAWING\DDR\CDDR506XXXXXXL					
FOR MATERIALS AND FINISHES SEE NOTES		ANGLE OF PROJECTION		SIZE		REV.	
REMOVE SHARP EDGES				DRAWING NO.		4	
DIMENSIONS				A3 C DDR5-06-X-X-X-XXX-X-L			
U.S. INCHES				SCALE		NONE	
(METRIC)							
(MM)							

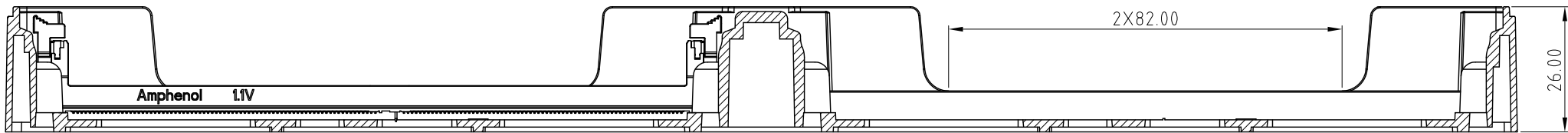
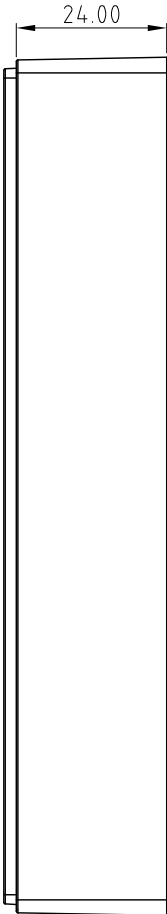
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CUSTOMER DRAWING



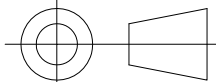
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

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	Henry.he	Feb.10,2022							
.X		+/-		CHECKED				TITLE					
.XX		+/-											
.XXX		+/-		CHECKED				DDR5 288P R/LR DIMM CONNECTOR					
FRACTIONS		+/-											
ANGLES		+/-						DRAWING FILE : DRAWING\DDR\CDDR506XXXXXXL					
		3°											
FOR MATERIALS AND FINISHES SEE NOTES													
REMOVE SHARP EDGES				ANGLE OF PROJECTION									
DIMENSIONS								SIZE		DRAWING NO.		REV.	
— U.S. —		— INCHES —						A3		C DDR5-06-X-X-X-XXX-X-L		4	
(METRIC)		(MM)						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 @ 0.01g ²/HZ TO 20HZ @ 0.02g ²/HZ (SLOPE UP), 20 HZ TO 500HZ @ 0.02g ²/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

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 |
| 6: | 30u" Au ON CONTACT AREA |
| 8: | 18u" AU ON CONTACT AREA |

X: CUSTOMER CODE OPTION:
L: FOR LENOVO

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 +/-		CHECKED					
.XX +/-		CHECKED					
.XXX +/-						TITLE DDR5 288P R/LR DIMM CONNECTOR	
FRACTIONS +/-							
ANGLES +/-							
3°							
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE : DRAWING\DDR\CDDR506XXXXXX\L					
REMOVE SHARP EDGES		ANGLE OF PROJECTION		SIZE		DRAWING NO.	
DIMENSIONS				A3		C DDR5-06-X-X-X-XXX-X-L	
— U.S. —				— INCHES —		REV.	
(METRIC)				(MM)		4	
				SCALE		NONE	
				SHEET 6		OF 6	