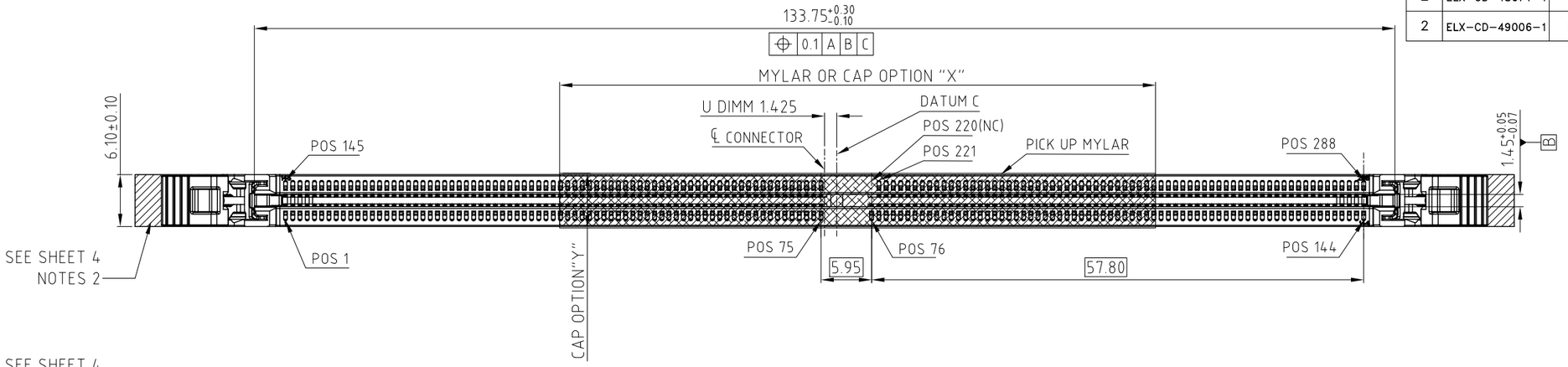
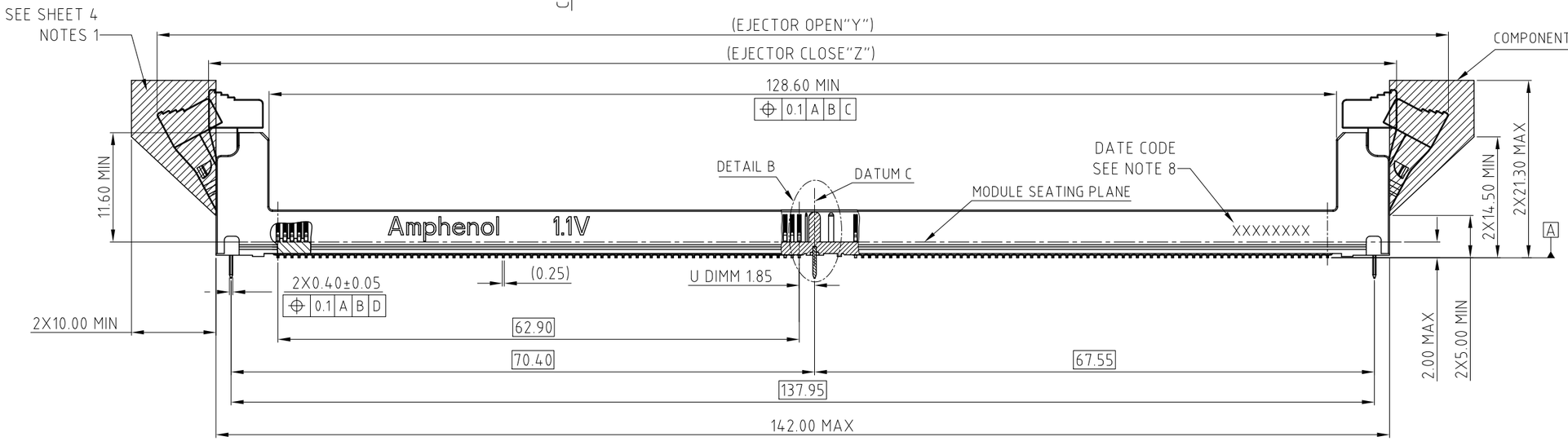
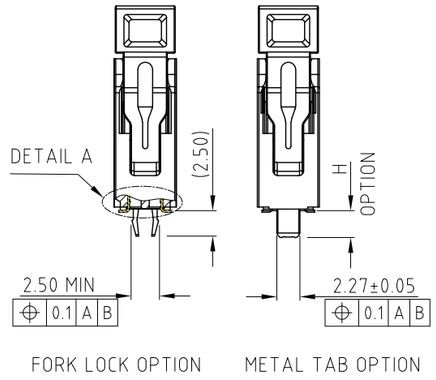
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CUSTOMER DRAWING

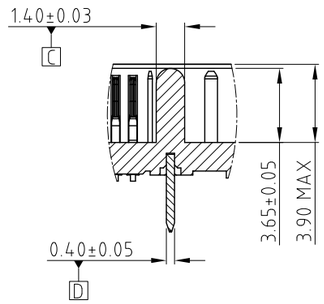
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	ELX-CD-47288-1	FIRST RELEASED	Feb.28,2023	YH
2	ELX-CD-48671-1	ADD PACKING AND MYLAR OPTION "Q"	Jul.05,2023	YH
2	ELX-CD-49006-1	REMOVE PACKING AND MYLAR OPTION "Q"	Aug.15,2023	YH



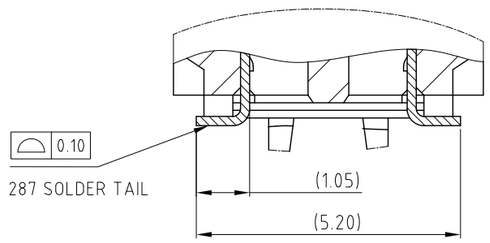




ITEM	EJECTOR OPEN DIMENSION"Y"	EJECTOR CLOSE DIMENSION"Z"	EJECTOR FIGURE
STANDARD LATCH	156.00 MAX	144.00 MAX	



DETAIL B
SCALE 2:1



DETAIL A
SCALE 5:1

Aug.15,2023

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	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX

ANGLE OF PROJECTION

Amphenol 3

TITLE: DDR5 287P U DIMM CONNECTOR

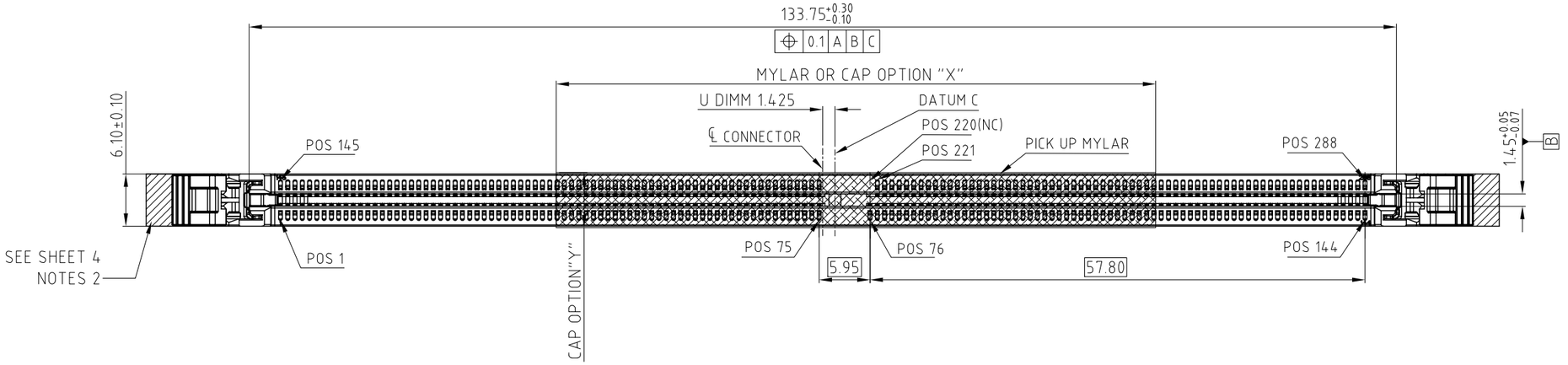
SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3
SCALE NONE		SHEET 1 OF 6

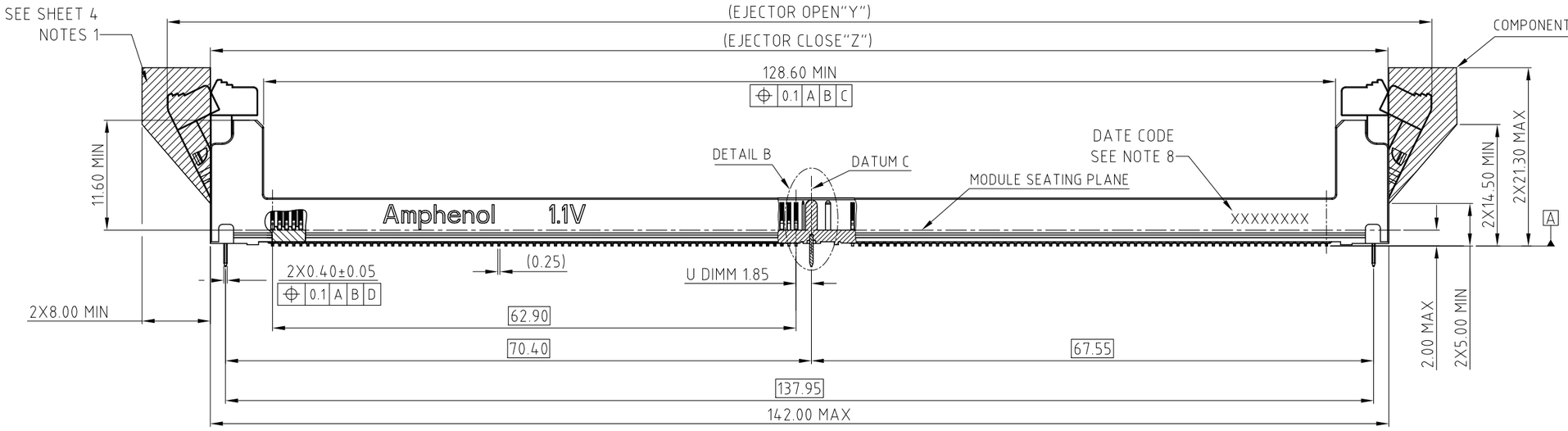
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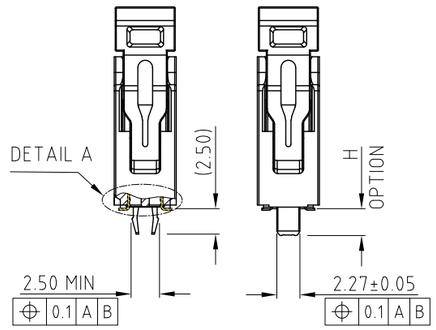
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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

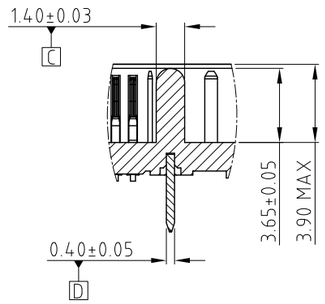




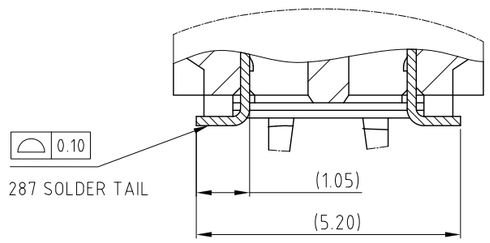


FORK LOCK OPTION METAL TAB OPTION

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



DETAIL B
SCALE 2:1



DETAIL A
SCALE 5:1

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	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX

ANGLE OF PROJECTION

Amphenol

TITLE: DDR5 287P U DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3
SCALE	NONE	SHEET 2 OF 6

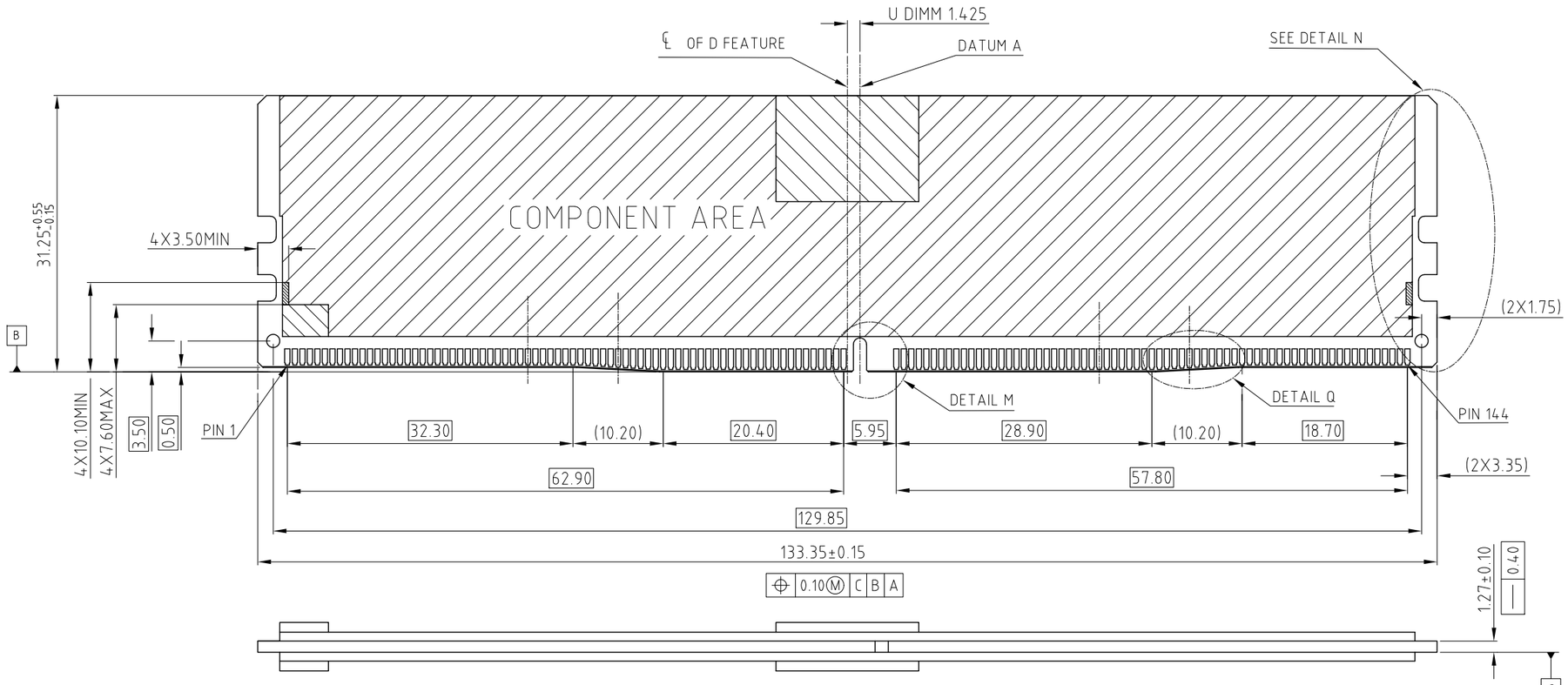
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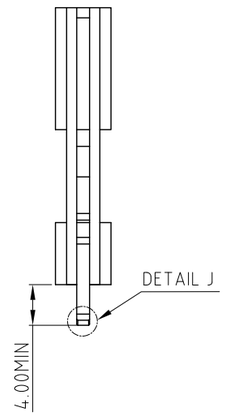
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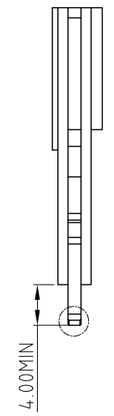
CUSTOMER DRAWING

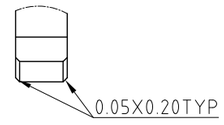
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		

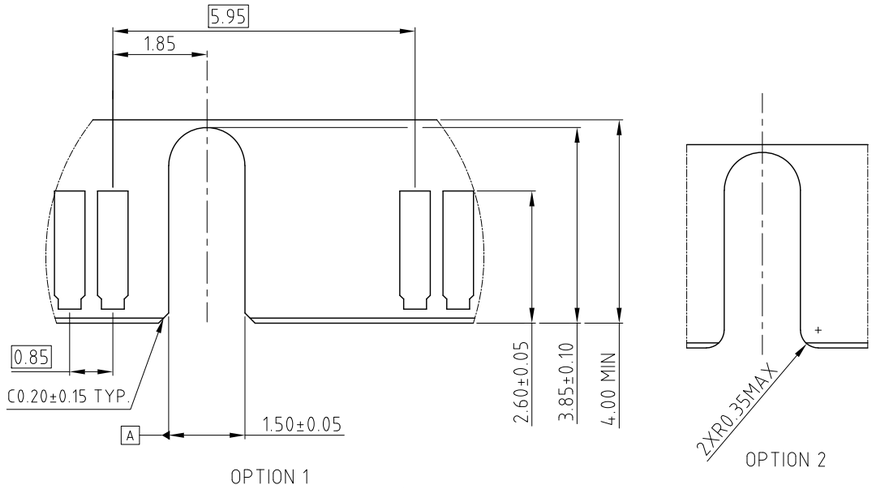
DDDR5 MODULE
MORE INFORMATION REFER TO JEDEC MO-329

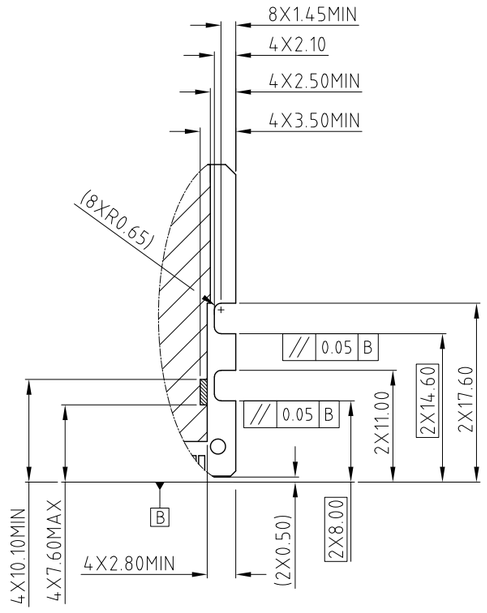


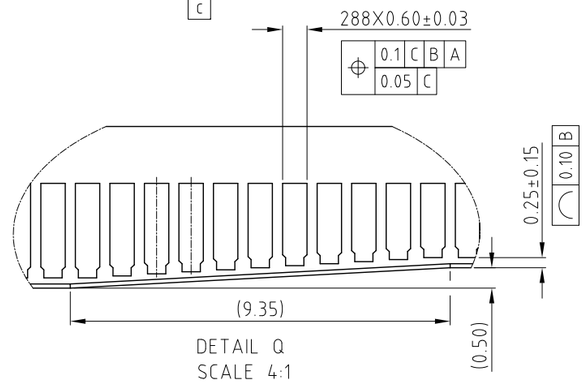












UNLESS OTHERWISE SPECIFIED TOLERANCES	U.S.	METRIC
.X +/–		0.35
.XX +/–		0.25
.XXX +/–		0.15
FRACTIONS +/–		
ANGLES +/–		3°

FOR MATERIALS AND FINISHES SEE NOTES
REMOVE SHARP EDGES
DIMENSIONS
~~U.S.~~ (METRIC) ~~INCHES~~ (MM)

	APPROVAL	DATE
DRAWN	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX
ANGLE OF PROJECTION

Amphenol

TITLE
DDR5 287P U DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3
SCALE NONE		SHEET 3 OF 6

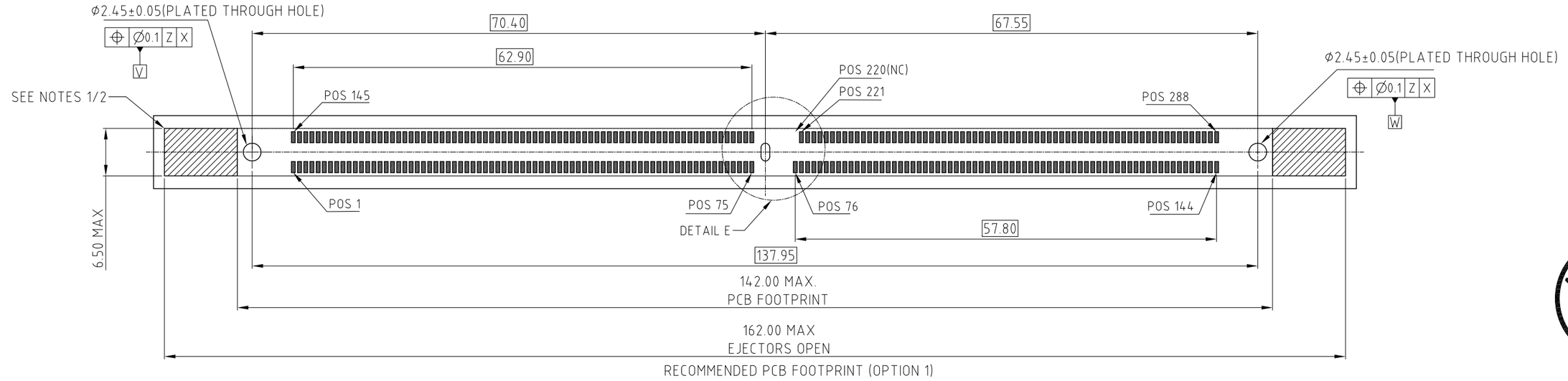
PDS: Rev :C STATUS:Released Printed: Jun 03, 2024

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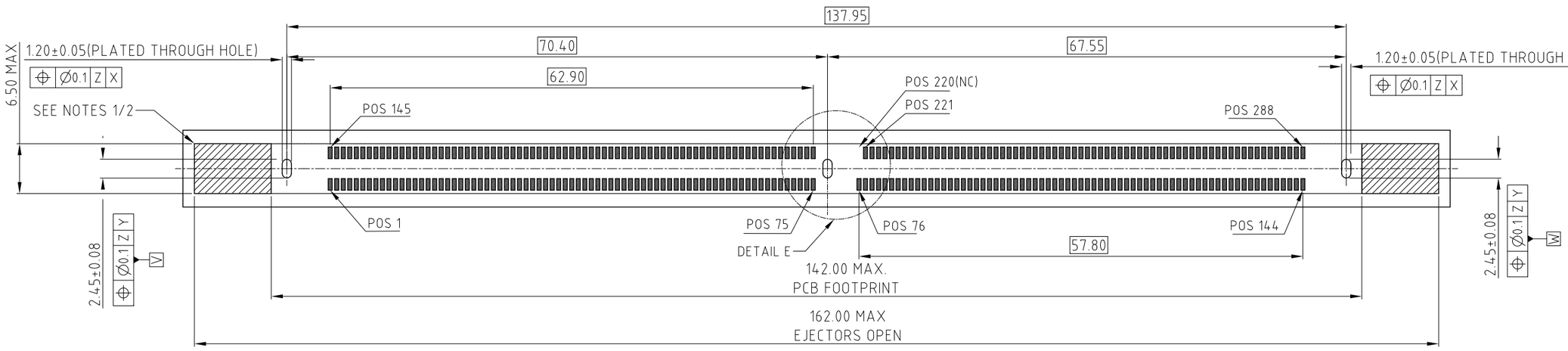
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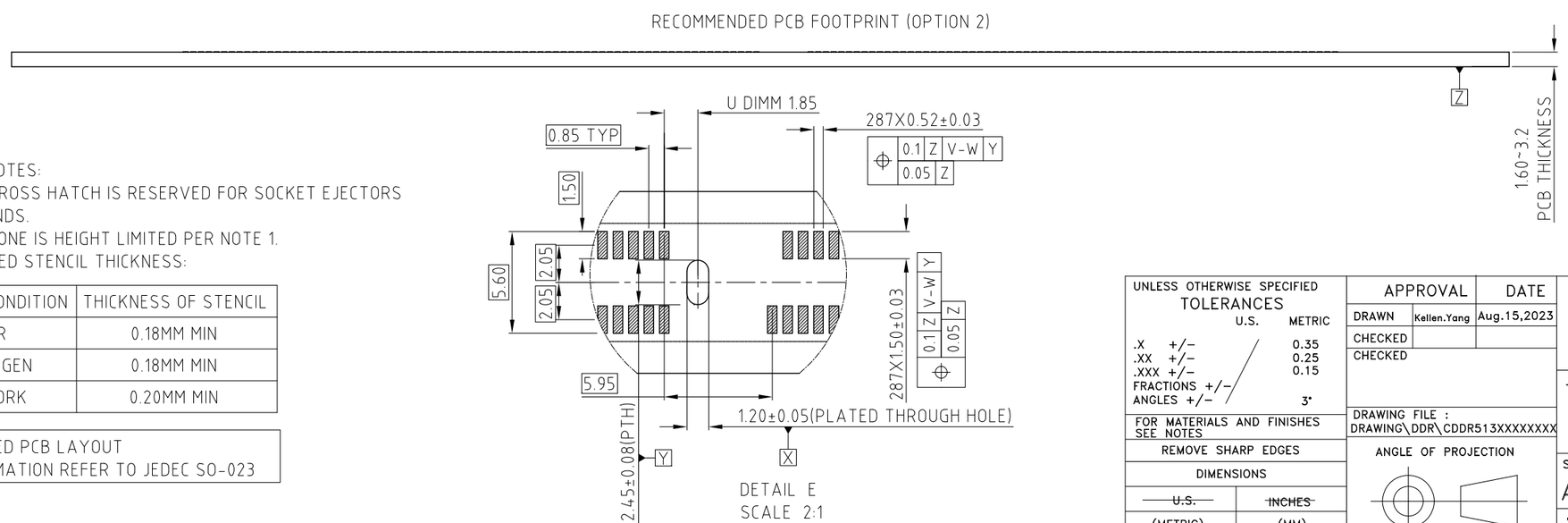
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET1		



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

	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	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX
ANGLE OF PROJECTION

Amphenol

TITLE
DDR5 287P U DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3
SCALE	NONE	SHEET 4 OF 6

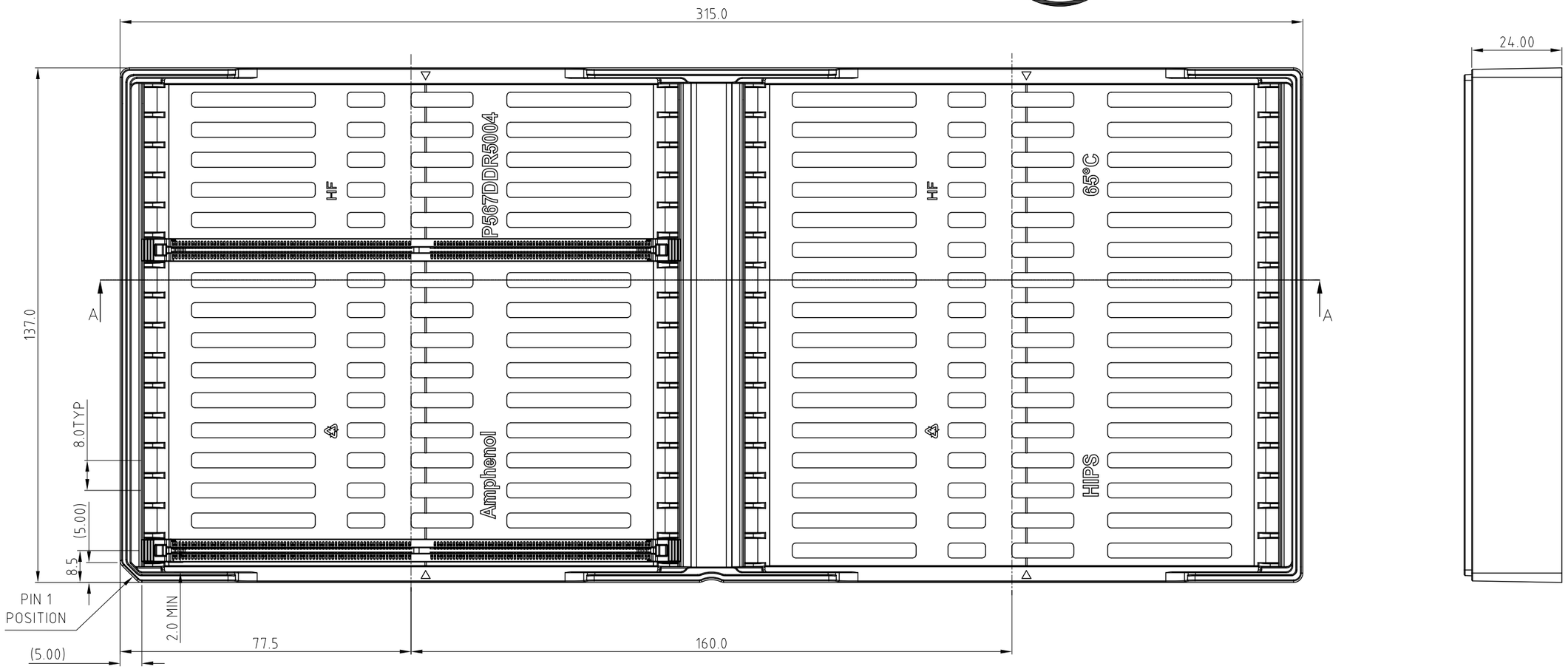
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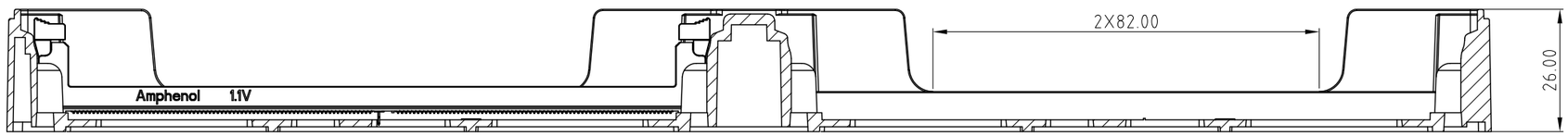
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CUSTOMER DRAWING

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	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	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX

ANGLE OF PROJECTION

Amphenol

TITLE: DDR5 287P U DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3
SCALE NONE		SHEET 5 OF 6

PDS: Rev :C STATUS:Released Printed: Jun 03, 2024

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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. 500 V 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 g^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 X XXX X X

DDR5: DOUBLE DATA RATE 5 SERIES

XX: APPLICATION TYPE
13: SMT,287P, UDIMM 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
.....

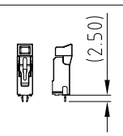
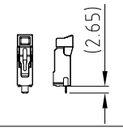
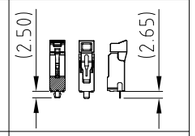
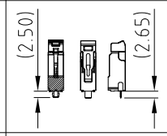
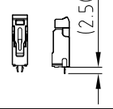
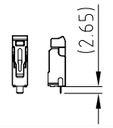
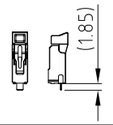
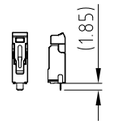
X: CONTACT PLATED
0: GOLD FLASH
1: 15u" Au ON CONTACT AREA
2: 30u" Au ON CONTACT AREA
3: 15 GXT
4: 30 GXT
5: 15u" Au ON CONTACT AREA AND 90u" Ni MIN ON UNDERPLATING:
6: 30u" Au ON CONTACT AREA AND 90u" Ni MIN ON UNDERPLATING:
8: 18u" AU ON CONTACT AREA
.....

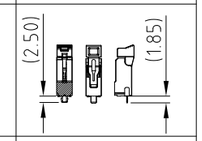
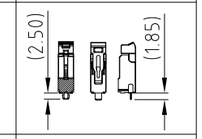
SEE SEQUENCE NUMBER TABLE

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

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
S: HARD TRAY PACKAGE, WITH MYLAR "X"=123.6MM
.....

8. LASER MARKING DATE CODE:
XXXX XX XX
DAY
MONTH
YEAR

SEQUENCE NUMBER		
CODE	OPTION DESCRIPTION	FIGURE DIM "H"
001	1. STANDARD HOUSING 2. STANDARD LATCH 3. FORK LOCK	
002	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	
003	1. STANDARD HOUSING 2. STANDARD LATCH 3. ONE FORK LOCK IN MIDDLE, TWO TABS ON BOTH SIDES	
004	1. STANDARD HOUSING 2. SHORT LATCH 3. ONE FORK LOCK IN MIDDLE, TWO TABS ON BOTH SIDES	
005	1. STANDARD HOUSING 2. SHORT LATCH 3. FORK LOCK	
006	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	
007	1. STANDARD HOUSING 2. STANDARD LATCH 3. METAL TAB	
008	1. STANDARD HOUSING 2. SHORT LATCH 3. METAL TAB	

SEQUENCE NUMBER		
CODE	OPTION DESCRIPTION	FIGURE DIM "H"
009	1. STANDARD HOUSING 2. STANDARD LATCH 3. ONE FORK LOCK IN MIDDLE, TWO TABS ON BOTH SIDES	
010	1. STANDARD HOUSING 2. SHORT LATCH 3. ONE FORK LOCK IN MIDDLE, TWO TABS ON BOTH SIDES	
.....		

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	Kellen.Yang	Aug.15,2023
CHECKED		
CHECKED		

DRAWING FILE : DRAWING\DDR\CDDR513XXXXXXXX

ANGLE OF PROJECTION

Amphenol

TITLE: DDR5 287P U DIMM CONNECTOR

SIZE	DRAWING NO.	REV.
A3	C DDR513XXXXXXXX	3

SCALE: NONE SHEET 6 OF 6

PDS: Rev:C STATUS:Released Printed: Jun 03, 2024

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