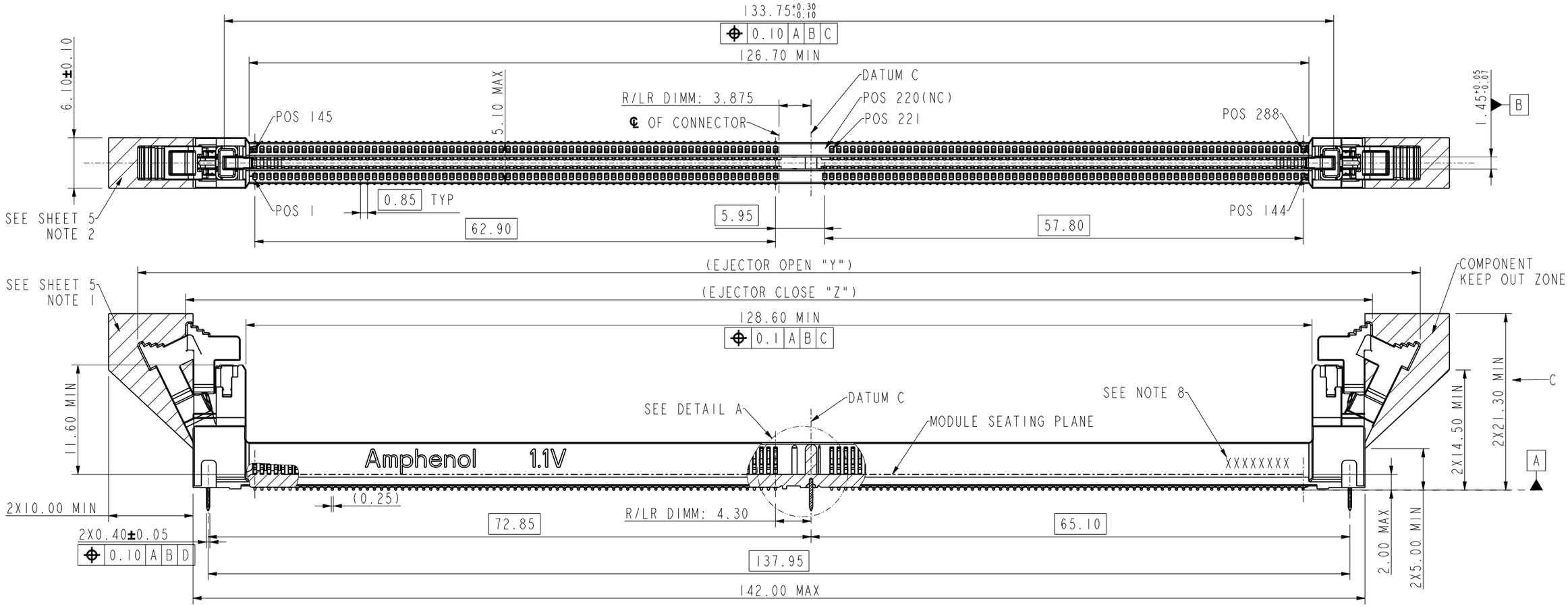
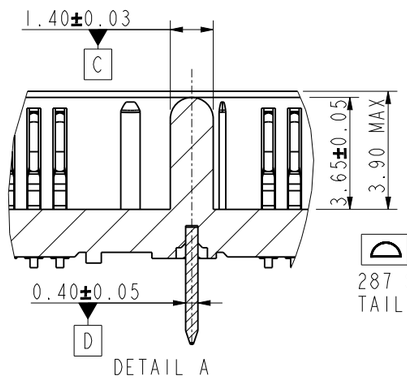
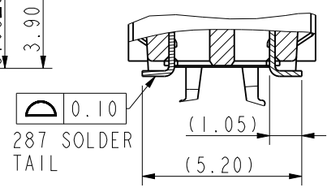
revision history				
rev	ecn no	description	dr	date
X1	ELX-CD-XXXXX-1	PROPOSAL	KY	2025/01/21



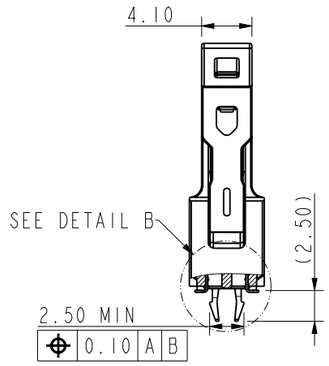
ITEM	EJECTOR OPEN DIMENSION"Y"	EJECTOR CLOSE DIMENSION"Z"	EJECTOR FIGURE
NARROW STANDARD LATCH	156.00 MAX	144.00 MAX	



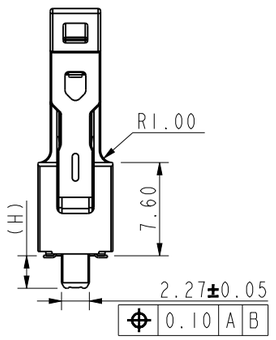
DETAIL A
SCALE 5:1



DETAIL B
SCALE 5:1



VIEW C
FORK LOCK OPTION

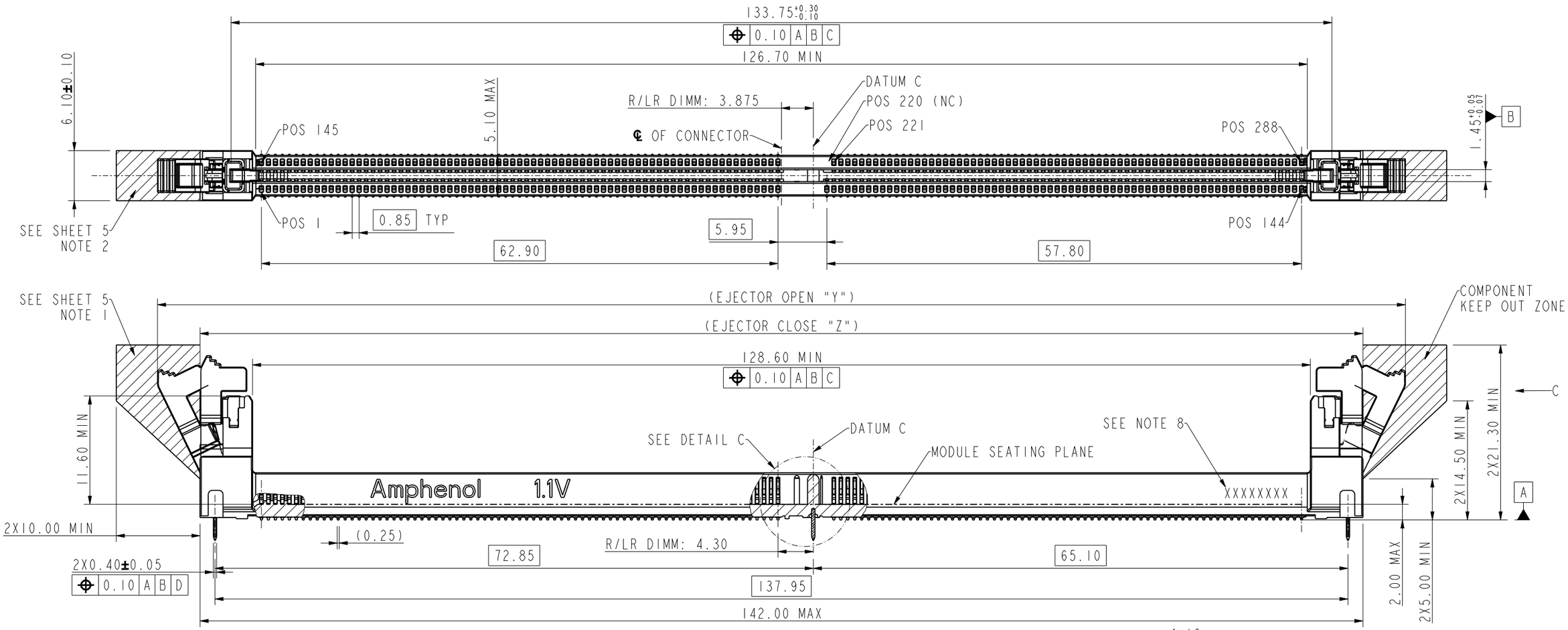


VIEW C
METAL TAB OPTION

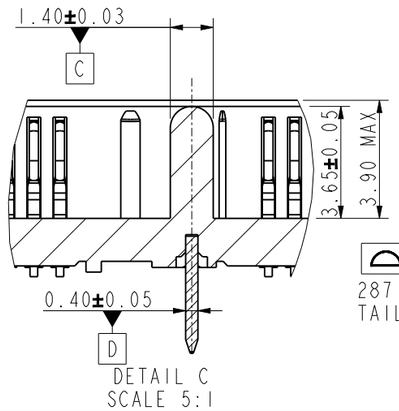
spec ref			dr	Kellen Yang	Jan.22,2025	Amphenol	mm / scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Kellen Yang	Jan.22,2025		ecn no ELX-CD-XXXXX-1
			rvwr			www.amphenol-cs.com	rel level PROPOSAL
surface ✓	linear	0.X ±0.35	appr				
		0.XX ±0.25	projection	title: NARROW DDR5 287P R/LR DIMM CONN		dwg no C DDR518XXXXXXXX	rev X1
		0.XXX ±0.15				cat. no.	
	angular	0° ±3°		product family: DDR5			sheet 1 of 7

Creo File:APH-A3C,REV C,2024-02-05

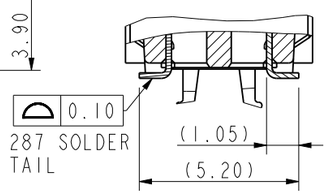
revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-



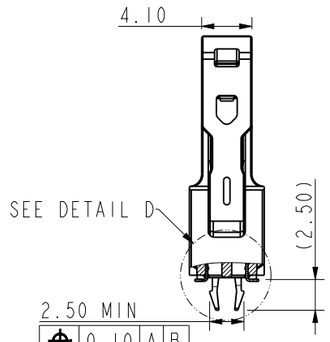
ITEM	EJECTOR OPEN DIMENSION"Y"	EJECTOR CLOSE DIMENSION"Z"	EJECTOR FIGURE
NARROW SHORT LATCH	153.00 MAX	142.00 MAX	



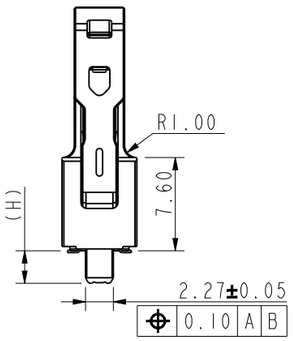
DETAIL C
SCALE 5:1



DETAIL D
SCALE 5:1



VIEW C
FORK LOCK OPTION



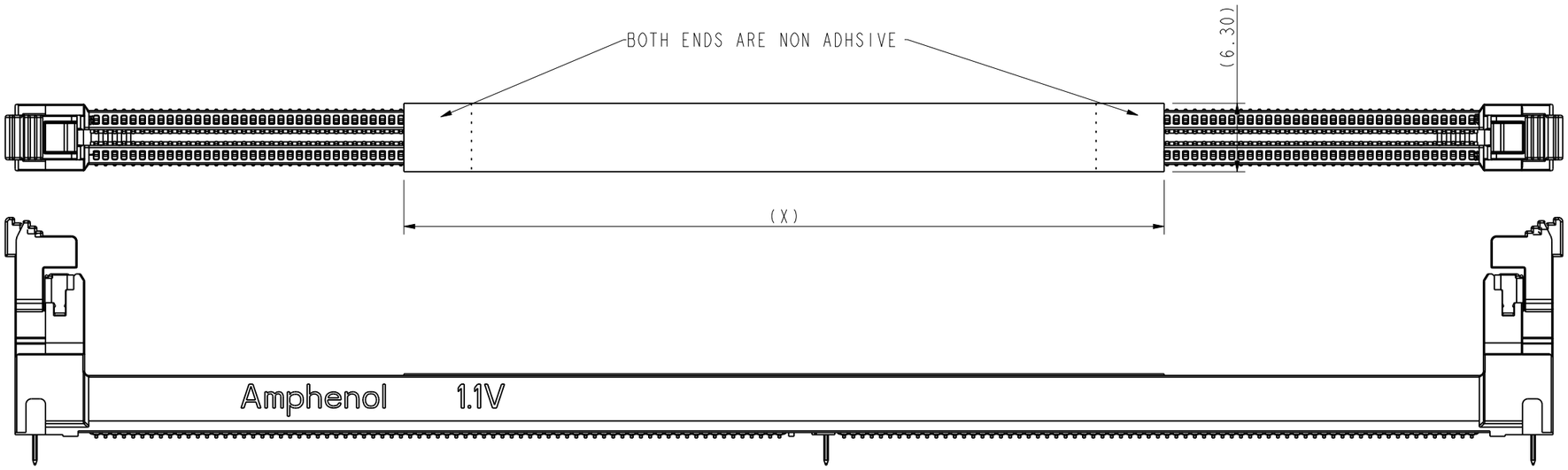
VIEW C
METAL TAB OPTION

spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025	mm / scale 2:1 / size A3
				rvwr			ecn no ELX-CD-XXXXX-1
				appr			www.amphenol-cs.com / rel level PROPOSAL
surface	linear	0.X	±0.35	projection	title	NARROW DDR5 287P R/LR DIMM CONN	dwg no C DDR5I8XXXXXXXX / rev X1
		0.XX	±0.25				cat. no.
		0.XXX	±0.15		product family	DDR5	sheet 2 of 7
	angular	0°	±3°				

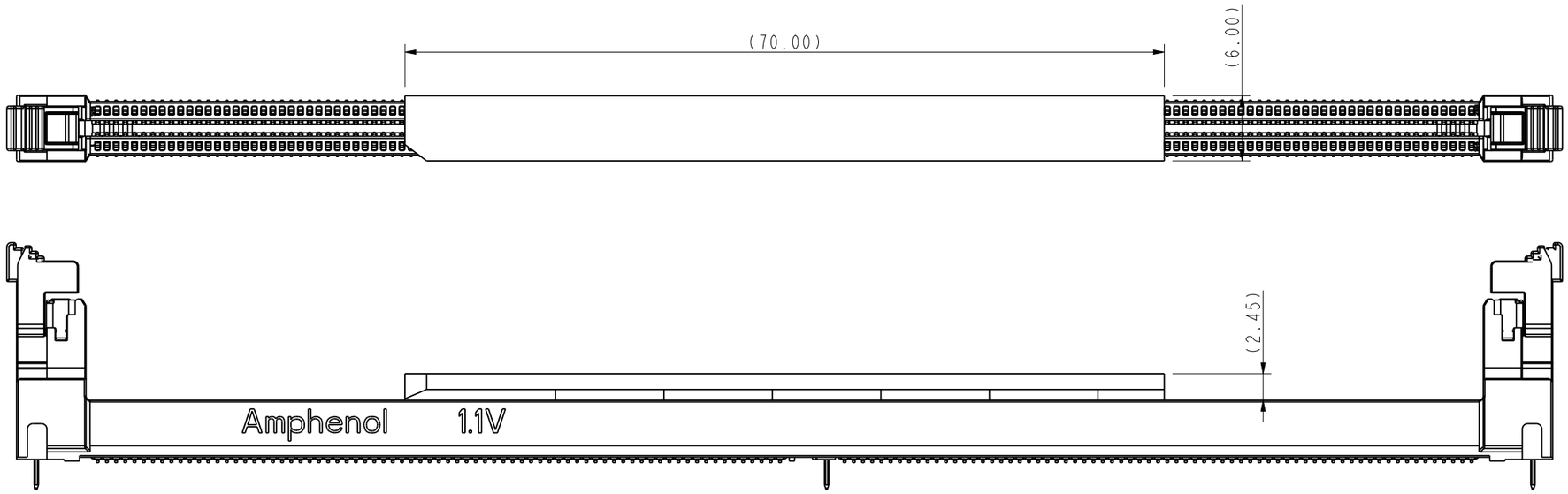
Creo File:APH-A3C,REV C,2024-02-05

revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-

MYLAR OPTION:



CAP OPTION:

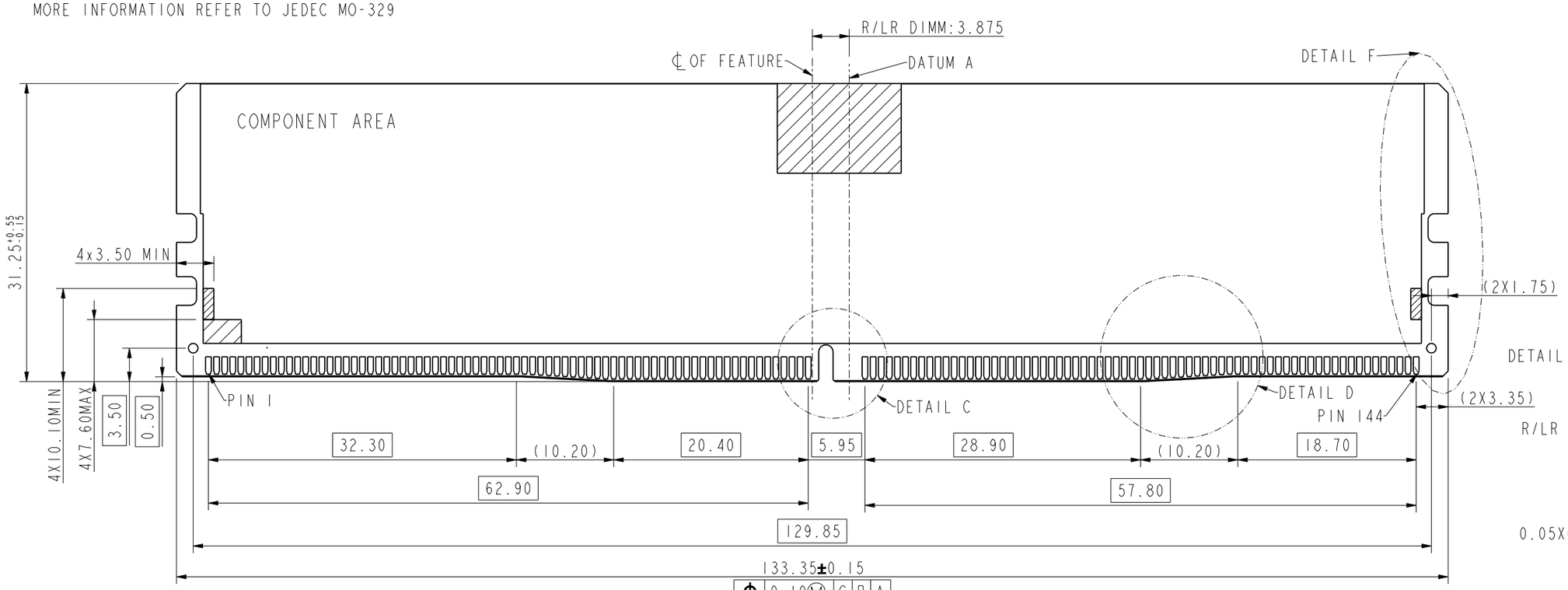


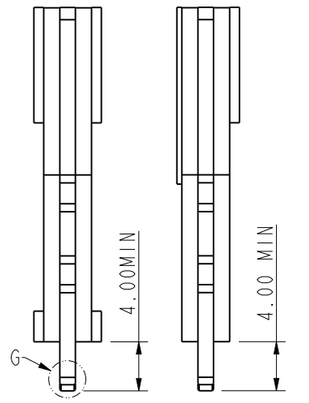
spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol	mm / scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025		
				rvwr				ecn no ELX-CD-XXXXX-1
				appr			www.amphenol-cs.com	rel level PROPOSAL
surface ✓	linear	0.X	±0.35	projection	title	NARROW DDR5 287P R/LR DIMM CONN	dwg no	C DDR518XXXXXXXX / rev X1
		0.XX	±0.25				cat. no.	
		0.XXX	±0.15					
	angular	0°	±3°		product family	DDR5		sheet 3 of 7

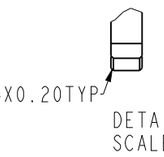
Creo File:APH-A3C,REV C,2024-02-05

revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-

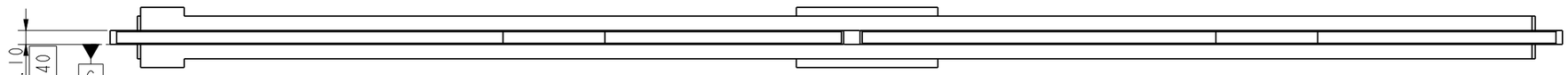
DDR5 MODULE
MORE INFORMATION REFER TO JEDEC MO-329

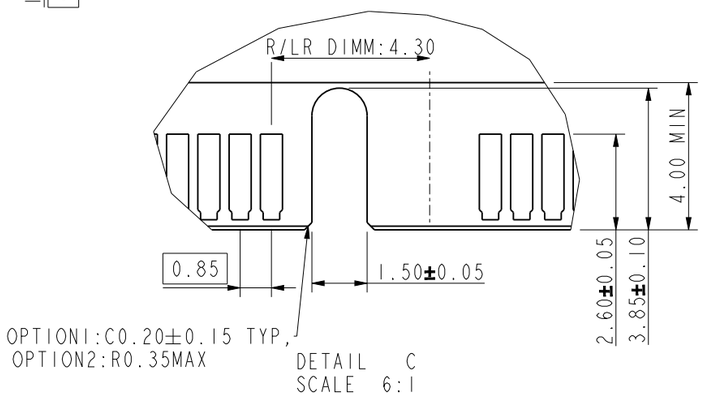




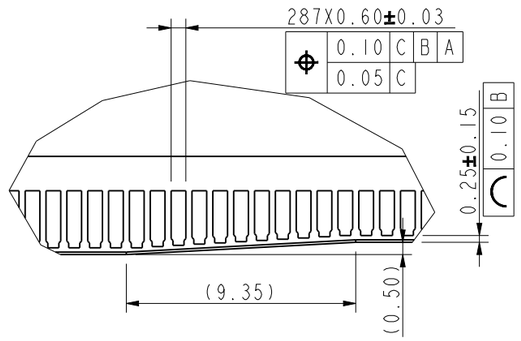


DETAIL G
SCALE 4:1

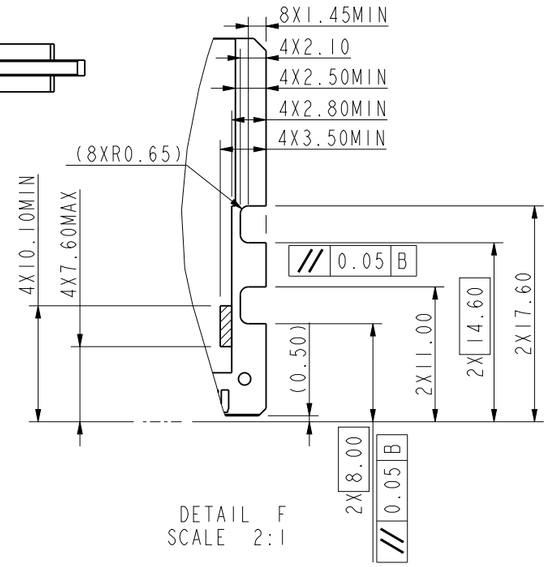




DETAIL C
SCALE 6:1



DETAIL D
SCALE 4:1



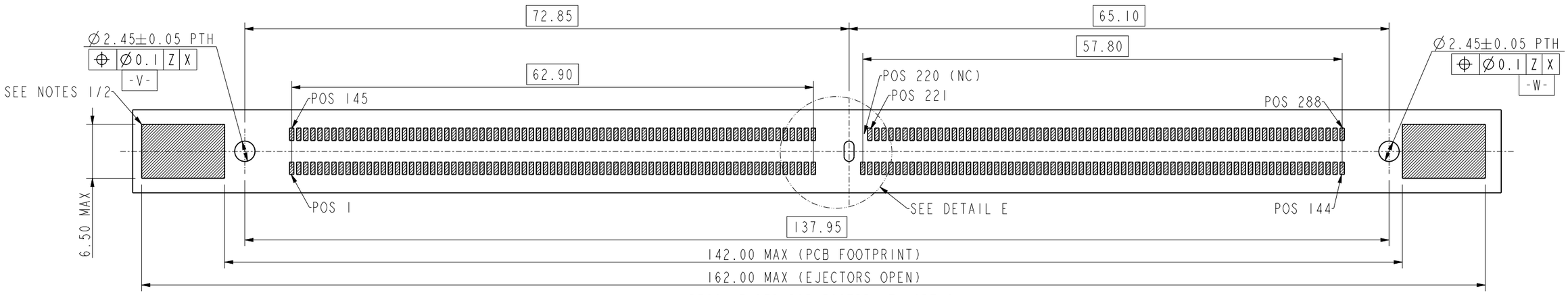
DETAIL F
SCALE 2:1

spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025	www.amphenol-cs.com
				rvwr			
surface	linear	0.X	±0.35	appr			
		0.XX	±0.25	projection	title	NARROW DDR5 287P R/LR DIMM CONN	
		0.XXX	±0.15		dwg no	C DDR518XXXXXXXX	rev X1
	angular	0°	±3°		cat. no.		
					product family	DDR5	sheet 4 of 7

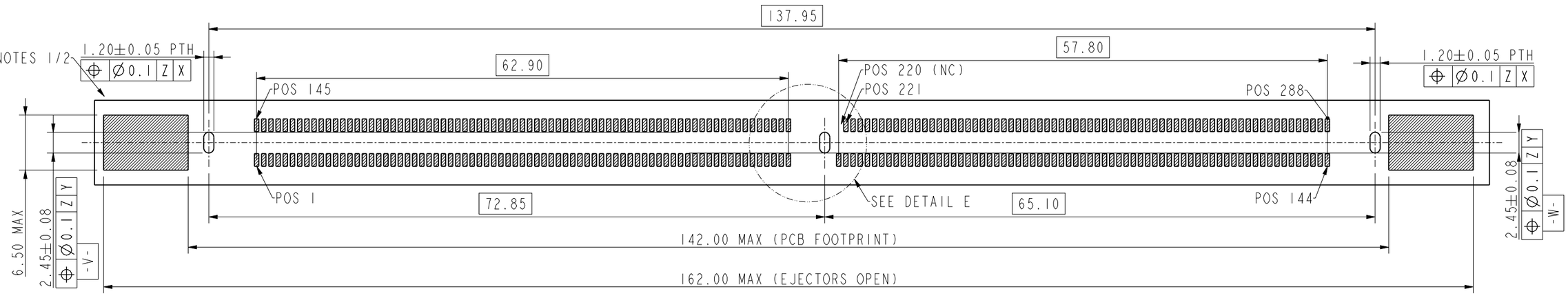
mm | scale 2:1 | size A3
ecn no ELX-CD-XXXXX-1
rel level PROPOSAL

Creo File:APH-A3C,REV C,2024-02-05

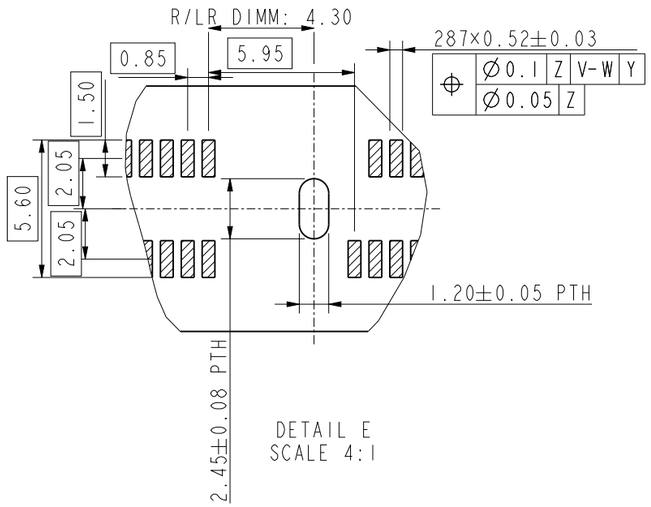
revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-



RECOMMENDED PCB FOOTPRINT (OPTION 1)



RECOMMENDED PCB FOOTPRINT (OPTION 2)



DETAIL E
SCALE 4:1

ADDITIONAL NOTES:
1. KEEP OUT CROSS HATCH IS RESERVED FOR 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

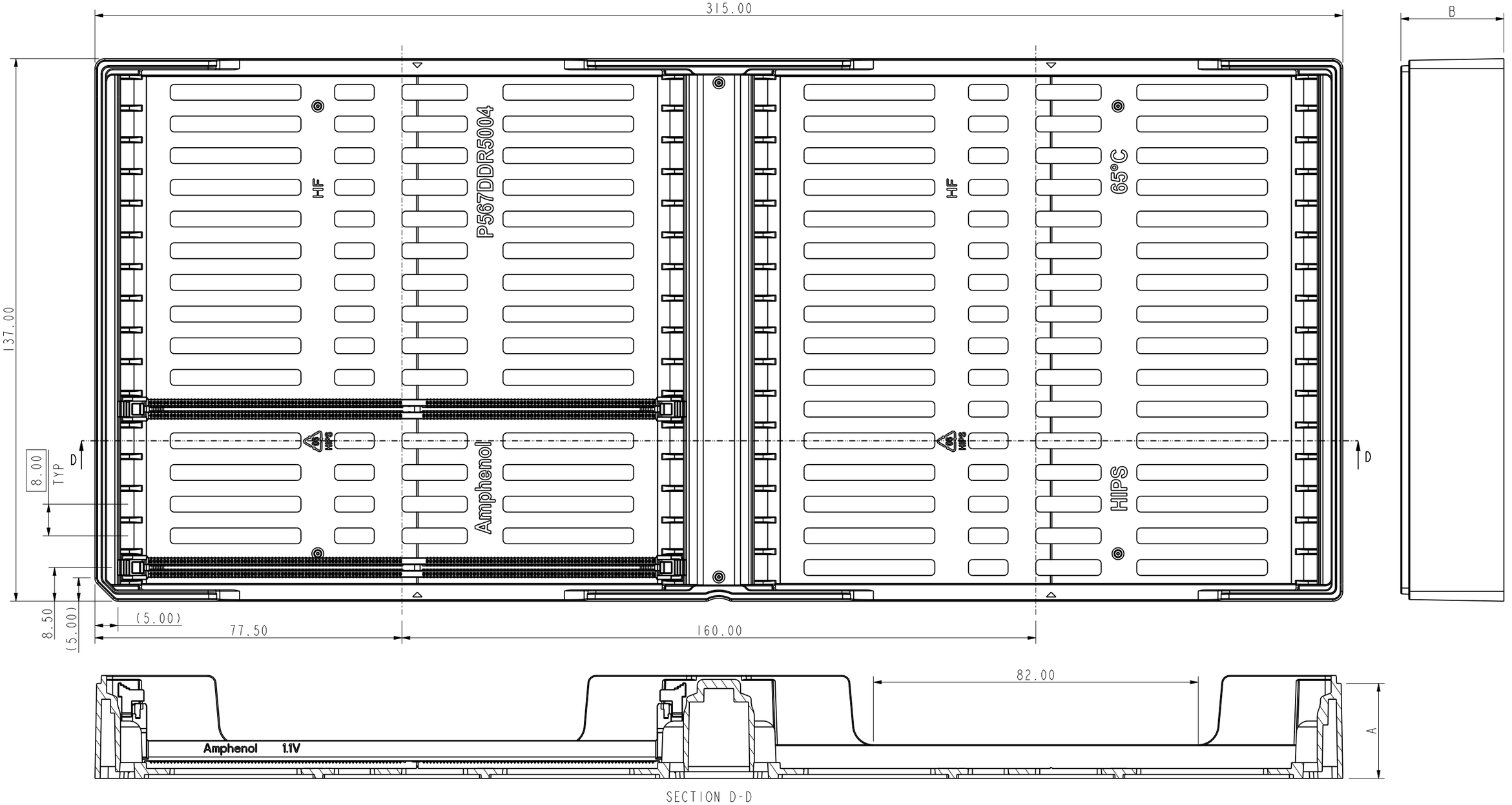
RECOMMENDED PCB LAYOUT
MORE INFORMATION REFER TO JEDEC SO-023

spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol	mm	scale 2:1 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025			
				rvwr				ecn no	ELX-CD-XXXXX-1
				appr			www.amphenol-cs.com	rel level	PROPOSAL
surface	linear	0.X	±0.35	projection		title	NARROW DDR5 287P R/LR DIMM CONN	dwg no	C DDR518XXXXXXXX
		0.XX	±0.25					cat. no.	rev X1
		0.XXX	±0.15						
	angular	0°	±3°			product family	DDR5		sheet 5 of 7

Amphenol

Creo File:APH-A3C,REV C,2024-02-05

revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-



SECTION D-D

HARD TRAY PACKAGE OPTIONS:
OPTION 1: A=26.00, B=24.00
OPTION 2: A=24.80, B=23.80

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

spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025	mm / scale 2:1 / size A3
				rvwr			ecn no ELX-CD-XXXXX-1
				appr			www.amphenol-cs.com / rel level PROPOSAL
surface ✓	linear	0.X	±0.35	projection	title	NARROW DDR5 287P R/LR DIMM CONN	dwg no C DDR518XXXXXXXX / rev X1
		0.XX	±0.25				cat. no.
		0.XXX	±0.15		product family	DDR5	sheet 6 of 7
	angular	0°	±3°				

Creo File:APH-A3C,REV C,2024-02-05

NOTE:
1. MATERIAL:
   1.1 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, OPTION, UL94V-0, COLOR:OPTION.
   1.2 LATCH: HIGH TEMPERATURE THERMAL PLASTIC, OPTION, UL94V-0. COLOR: OPTION.
   1.3 TERMINAL: COPPER ALLOY.
   1.4 BOARDLOCK: COPPER ALLOY.
   1.5 METAL CLIP: SUS.
2. FINISH:
   2.1 TERMINAL:CONTACT AREA:SELECTED GOLD PLATING;SOLDERING AREA: MATTE TIN PLATING 100u''THICKNESS MIN;UNDER PLATING: NICKEL PLATING 50u" THICKNESS MIN. UNLESS OTHERWISE SPECIFIED
   2.2 BOARDLOCK: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 VDC.
   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 THE FORCE TO MATE A MODULE WITH EJECTORS INSTALLED :106.8N MAX.THE FORCE TO PULL OUT A MODULE WITH EJECTORS INSTALLED :19.77N MIN.
5. RELIABILITY AND OTHER CHARACTERISTICS:
   5.1 SOLDERABILITY: PASSED PER EIA-364-52,CLASS 2,CATEGORY 3.
   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 I,-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

DDR5: DOUBLE DATA RATE 5 SERIES

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

X: HOUSING COLOR
1: BLACK
2: NATURAL (IVORY)
3: YELLOW
4: BLUE(PANTONE 2144C)
8: BLUE(PANTONE 293C)
9: BLUE(PANTONE 287C)

X: LATCH COLOR
1: BLACK
2: NATURAL (IVORY)
3: YELLOW
4: BLUE(PANTONE 2144C)
8: BLUE(PANTONE 293C)
9: BLUE(PANTONE 287C)

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

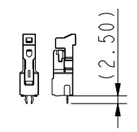
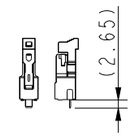
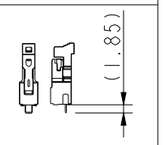
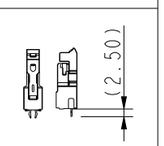
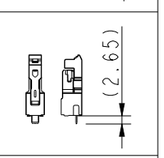
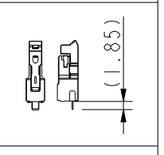
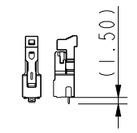
SEE SEQUENCE NUMBER TABLE

X: PACKING AND MYLAR OPTIONS
T: SOFT TRAY
H: HARD TRAY PACKAGE(A=26.00mm), WITH MYLAR "X"=50MM
J: HARD TRAY PACKAGE(A=26.00mm), WITH MYLAR "X"=70MM
K: HARD TRAY PACKAGE(A=26.00mm), WITHOUT MYLAR
M: HARD TRAY PACKAGE(A=26.00mm), WITH MYLAR "X"=90MM
C: HARD TRAY PACKAGE(A=26.00mm),WITH CAP "X"=70MM;"Y"=6MM
S: HARD TRAY PACKAGE(A=26.00mm), WITH MYLAR "X"=123.6MM
E: HARD TRAY PACKAGE(A=24.80mm), WITHOUT MYLAR
G: HARD TRAY PACKAGE(A=24.80mm), WITH CAP "X"=70MM;"Y"=6MM
L: HARD TRAY PACKAGE(A=24.80mm), WITH CAP "X"=50MM;"Y"=6MM

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

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

revision history				
rev	ecn no	description	dr	date
-	-	SEE SHEET 1	-	-

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

spec ref				dr	Kellen Yang	Jan.22,2025	Amphenol	mm / scale 1:2 / size A3
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Kellen Yang	Jan.22,2025		ecn no ELX-CD-XXXXX-1
				rvwr			www.amphenol-cs.com	rel level PROPOSAL
surface	linear	0.X	±0.35	appr			projection	title: NARROW DDR5 287P R/LR DIMM CONN
		0.XX	±0.25					dwg no C DDR518XXXXXXXX / rev X1
		0.XXX	±0.15					cat. no.
	angular	0°	±3°					product family DDR5 / sheet 7 of 7

Creo File:APH-A3C,REV C,2024-02-05