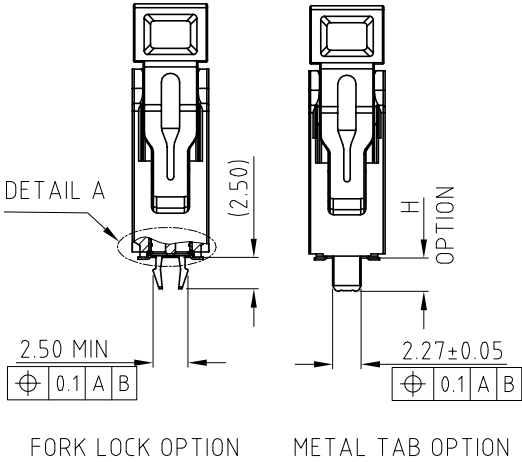
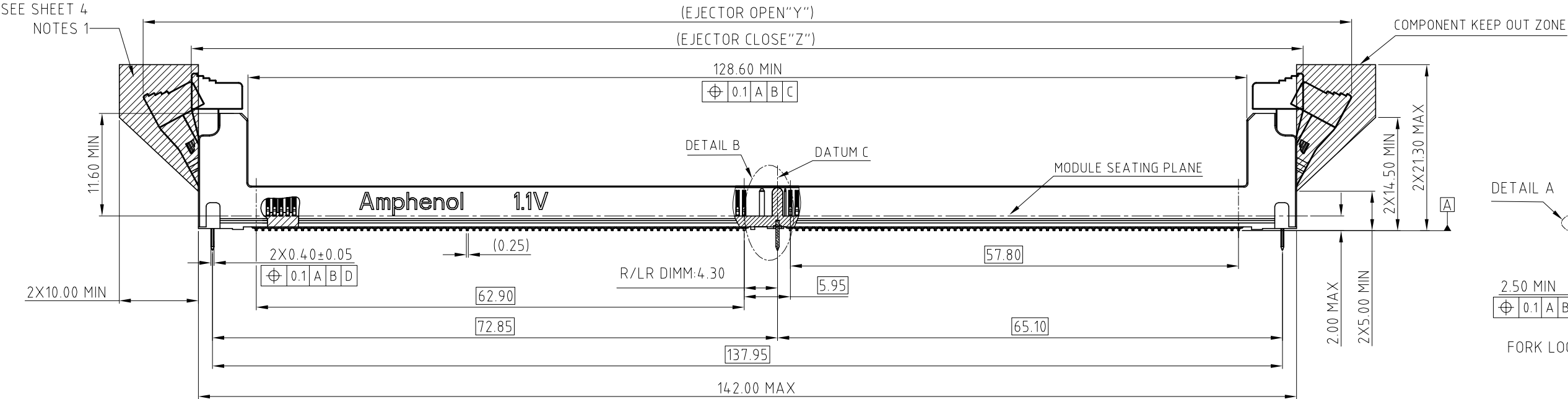
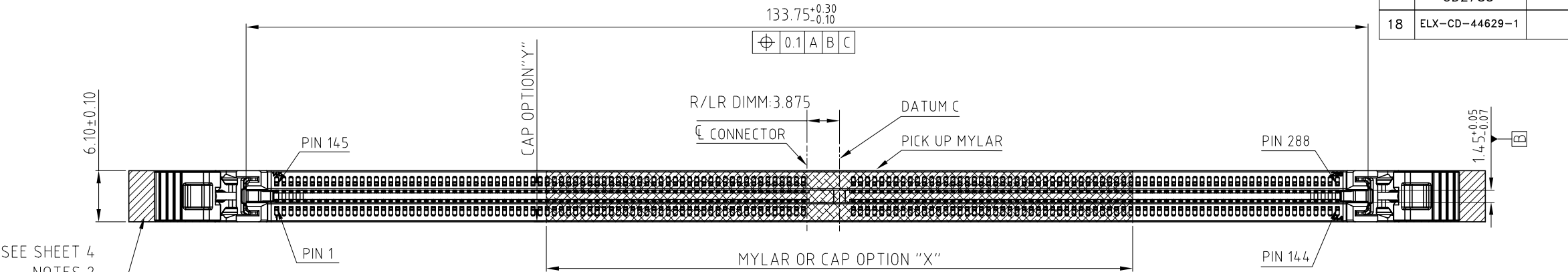
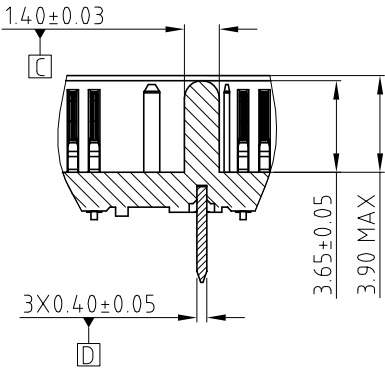


CUSTOMER DRAWING

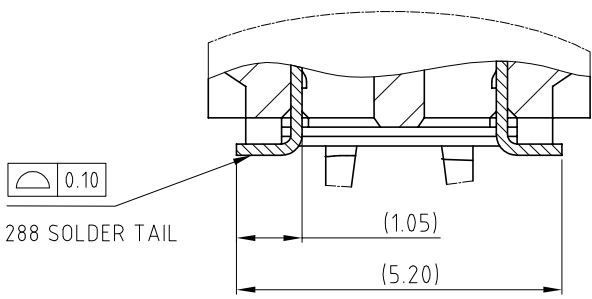
| REVISIONS |                |                                      |             |          |
|-----------|----------------|--------------------------------------|-------------|----------|
| SYM       | ECN            | DESCRIPTION                          | DATE        | APPROVED |
| 16        | CD2778         | UPDATE THE PACKING TRAY              | Aug.02,2021 | YH       |
| 17        | CD2785         | UPDATE THE SHEET 4 :ADDITIONAL NOTES | Aug.05,2021 | YH       |
| 18        | ELX-CD-44629-1 | ADD 123.6MM MYLAR OPTION             | May.05,2022 | YH       |



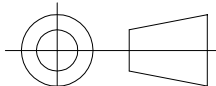
| ITEM           | EJECTOR OPEN DIMENSION "Y" | EJECTOR CLOSE DIMENSION "Z" | EJECTOR FIGURE |
|----------------|----------------------------|-----------------------------|----------------|
| STANDARD LATCH | 156.00                     | 144.00                      |                |



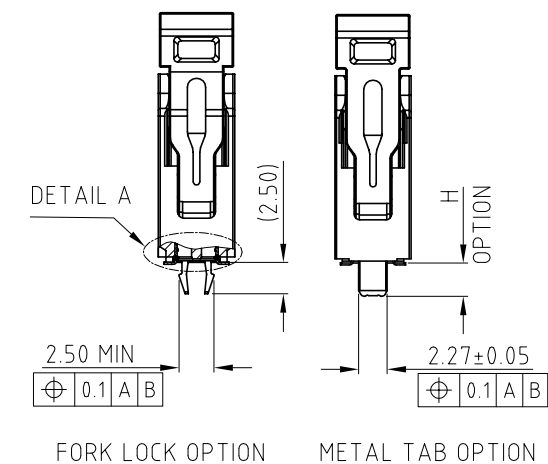
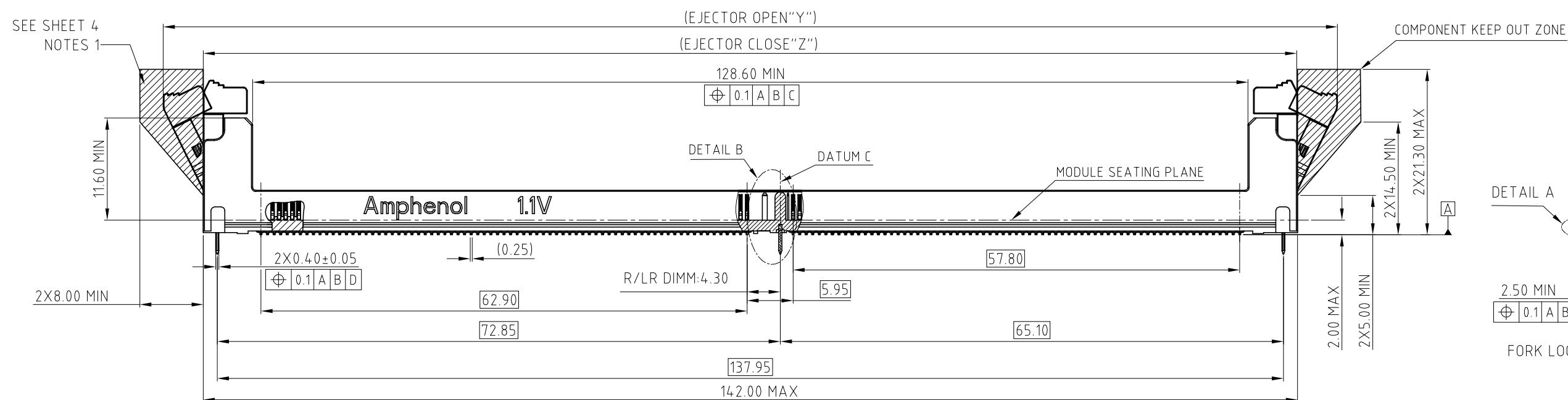
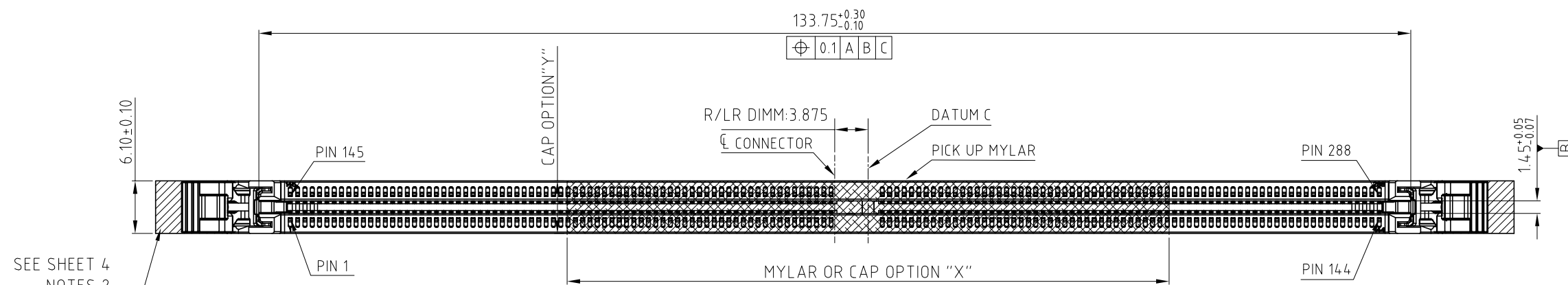
DETAIL B  
SCALE 2:1



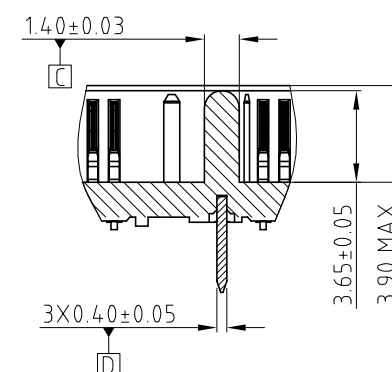
DETAIL A  
SCALE 5:1

|                                       |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
|---------------------------------------|--|---------------------------------------------------------------------------------------|-------------|-------------|--|----------------------------------------|--|--------------------------------------|--|--------------|--|
| UNLESS OTHERWISE SPECIFIED TOLERANCES |  | APPROVAL                                                                              |             | DATE        |  | Amphenol                               |  |                                      |  |              |  |
| U.S. METRIC                           |  | DRAWN                                                                                 | Kellen.Yang | May.05,2022 |  |                                        |  |                                      |  |              |  |
| .X +/-                                |  | CHECKED                                                                               |             |             |  | TITLE<br>DDR5 288P R/LR DIMM CONNECTOR |  |                                      |  |              |  |
| .XX +/-                               |  | CHECKED                                                                               |             |             |  |                                        |  |                                      |  |              |  |
| .XXX +/-                              |  | DRAWING FILE :<br>DRAWING\DDR\DDR504XXXXXXX                                           |             |             |  | SIZE<br>A3 C                           |  | DRAWING NO.<br>DDR5-04-X-X-X-XXX-X-X |  | REV.<br>18   |  |
| FRACTIONS +/-                         |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| ANGLES +/-                            |  | ANGLE OF PROJECTION                                                                   |             |             |  | SCALE                                  |  | NONE                                 |  | SHEET 1 OF 6 |  |
| FOR MATERIALS AND FINISHES SEE NOTES  |  |  |             |             |  |                                        |  |                                      |  |              |  |
| REMOVE SHARP EDGES                    |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| DIMENSIONS                            |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| U.S.                                  |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| INCHES                                |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| (METRIC)                              |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |
| (MM)                                  |  |                                                                                       |             |             |  |                                        |  |                                      |  |              |  |

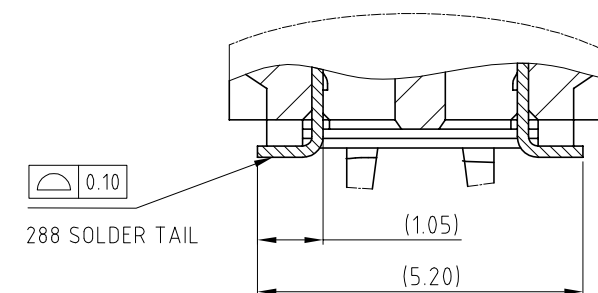
| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| SYM       | ECN | DESCRIPTION | DATE | APPROVED |
|           |     | SEE SHEET1  |      |          |



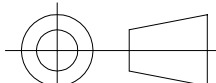
| ITEM        | EJECTOR OPEN<br>DIMENSION"Y" | EJECTOR CLOSE<br>DIMENSION"Z" | EJECTOR FIGURE                                                                      |
|-------------|------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| SHORT LATCH | 152.00                       | 142.00                        |  |



DETAIL B  
SCALE 2:1



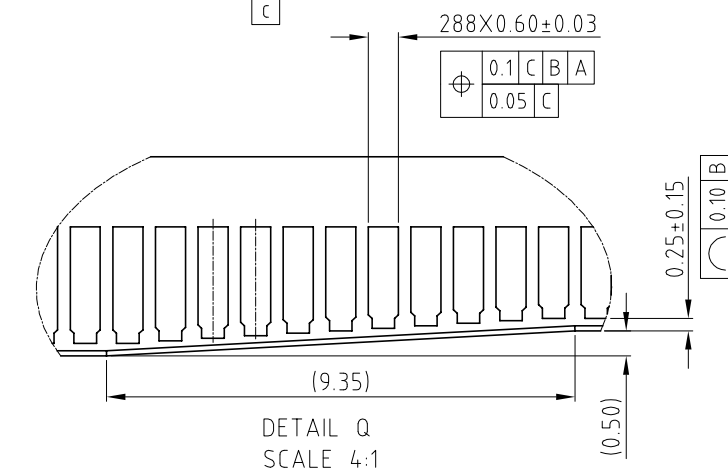
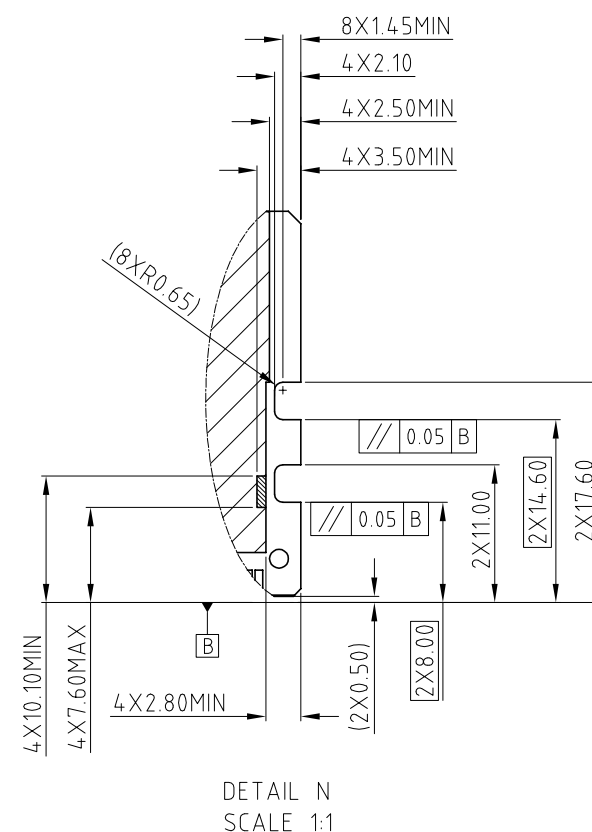
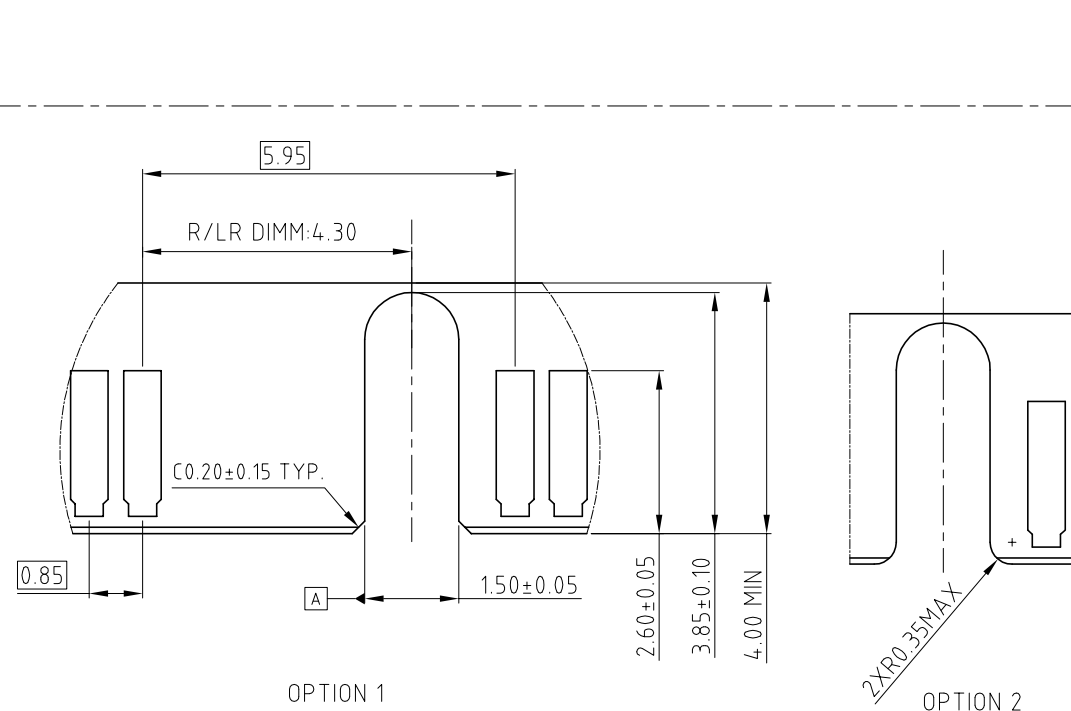
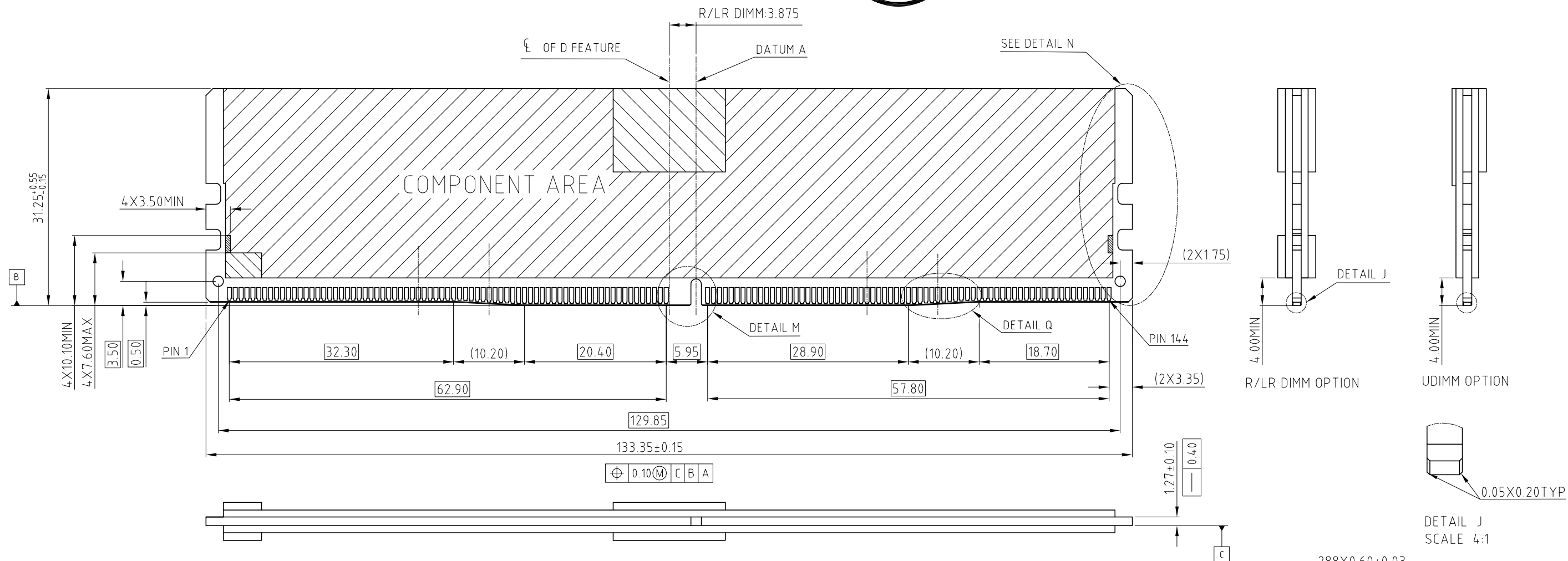
DETAIL A  
SCALE 5:1

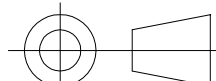
|                                                                                                                                           |                    |                                                                                                              |  |                                        |  |                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|-------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES<br>U.S. METRIC<br>.X +/— 0.35<br>.XX +/— 0.25<br>.XXX +/— 0.15<br>FRACTIONS +/—<br>ANGLES +/— 3° |                    | APPROVAL<br>DRAWN Kellen.Yang<br>CHECKED<br>CHECKED                                                          |  | DATE<br>May.05,2022                    |  | <h1>Amphenol</h1> |  |
| FOR MATERIALS AND FINISHES<br>SEE NOTES                                                                                                   |                    | DRAWING FILE :<br>DRAWING\DDR\DDR504XXXXXXX                                                                  |  | TITLE<br>DDR5 288P R/LR DIMM CONNECTOR |  |                   |  |
| REMOVE SHARP EDGES                                                                                                                        |                    | ANGLE OF PROJECTION<br> |  | SIZE DRAWING NO.                       |  | REV.              |  |
| DIMENSIONS                                                                                                                                |                    |                                                                                                              |  | A3 C DDR5-04-X-X-X-XXX-X-X             |  | 18                |  |
| — U.S. —<br>(METRIC)                                                                                                                      | — INCHES —<br>(MM) |                                                                                                              |  | SCALE NONE                             |  | SHEET 2 OF 6      |  |



| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| SYM       | ECN | DESCRIPTION | DATE | APPROVED |
|           |     | SEE SHEET1  |      |          |

DDR5 MODULE  
MORE INFORMATION REFER TO JEDEC MO-329

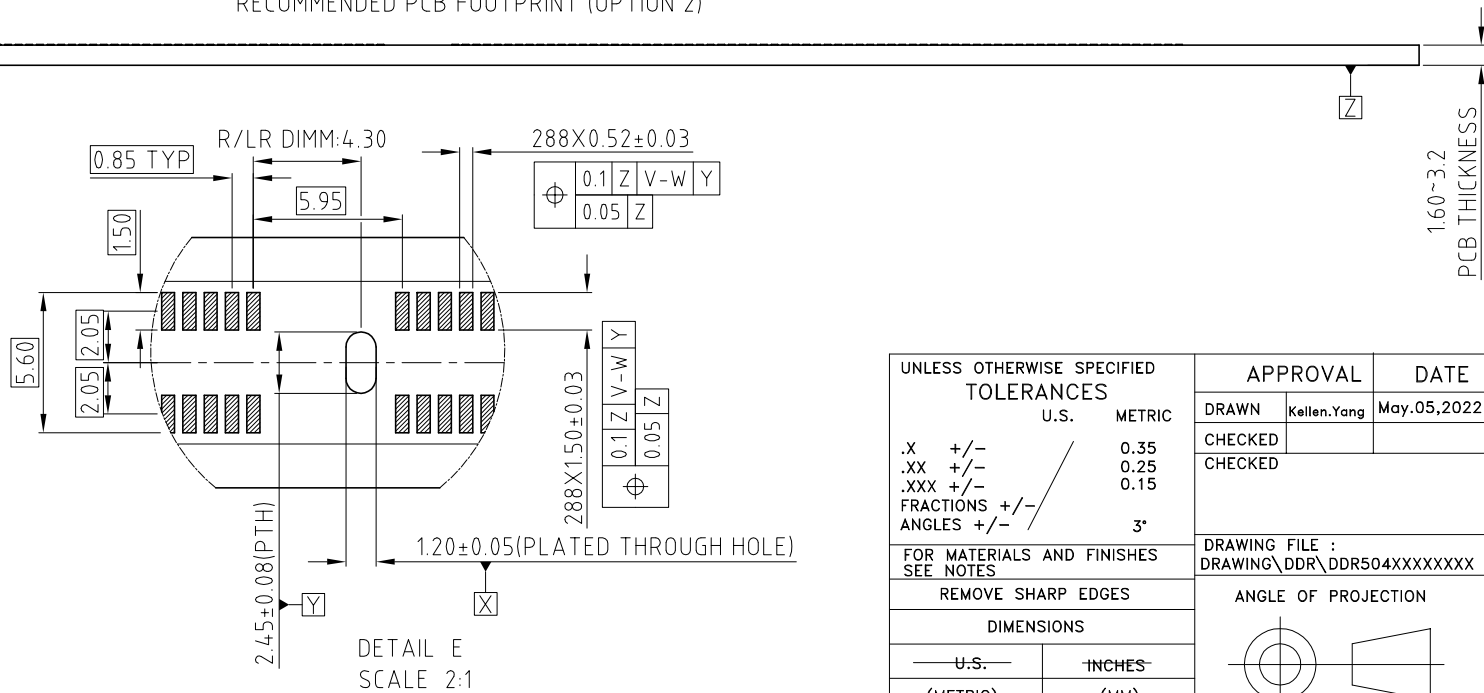
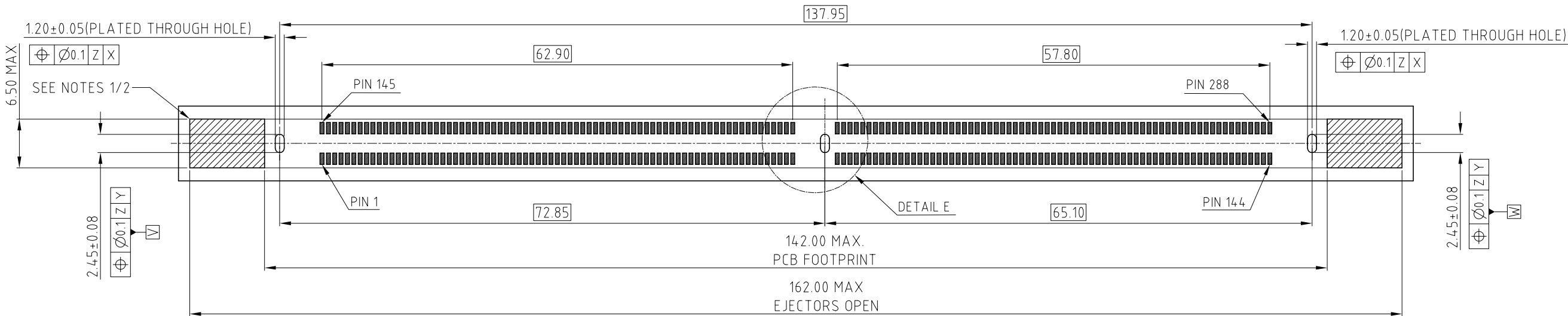
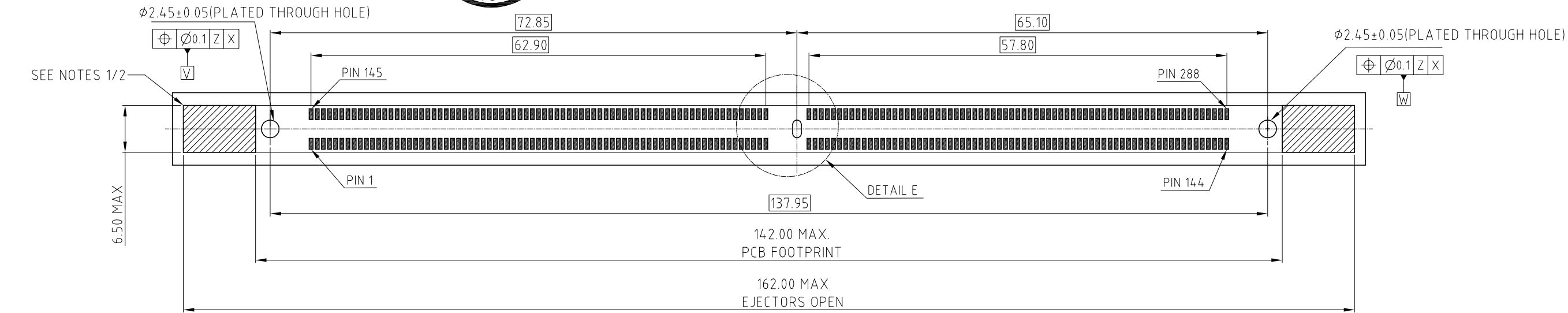


|                                                                                                                                                                                              |  |                                                                                       |             |                               |  |                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-------------|-------------------------------|--|-------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES<br>U.S. METRIC<br><br>.X +/− 0.35<br>.XX +/− 0.25<br>.XXX +/− 0.15<br>FRACTIONS +/−<br>ANGLES +/− 3°<br><br>FOR MATERIALS AND FINISHES<br>SEE NOTES |  | APPROVAL                                                                              |             | DATE                          |  | Amphenol                |  |
|                                                                                                                                                                                              |  | DRAWN                                                                                 | Kellen.Yang | May.05,2022                   |  |                         |  |
|                                                                                                                                                                                              |  | CHECKED                                                                               |             |                               |  |                         |  |
|                                                                                                                                                                                              |  | CHECKED                                                                               |             |                               |  |                         |  |
| REMOVE SHARP EDGES                                                                                                                                                                           |  | DRAWING FILE :                                                                        |             | TITLE                         |  |                         |  |
|                                                                                                                                                                                              |  | DRAWING\DDR\DDR504XXXXXXXXX                                                           |             | DDR5 288P R/LR DIMM CONNECTOR |  |                         |  |
| DIMENSIONS                                                                                                                                                                                   |  | ANGLE OF PROJECTION                                                                   |             | SIZE                          |  | DRAWING NO.             |  |
| U.S. INCHES                                                                                                                                                                                  |  |  |             | A3                            |  | C DDR5-04-X-X-X-XXX-X-X |  |
| (METRIC) (MM)                                                                                                                                                                                |  |                                                                                       |             | SCALE                         |  | NONE                    |  |
|                                                                                                                                                                                              |  |                                                                                       |             |                               |  | SHEET 3 OF 6            |  |
|                                                                                                                                                                                              |  |                                                                                       |             |                               |  | REV. 18                 |  |



CUSTOMER DRAWING

| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| SYM       | ECN | DESCRIPTION | DATE | APPROVED |
|           |     | SEE SHEET1  |      |          |



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

| REFLOW CONDITION | THICKNESS OF STENCIL |
|------------------|----------------------|
| AIR              | 0.18MM MIN           |
| NITROGEN         | 0.18MM MIN           |
| REWORK           | 0.20MM MIN           |

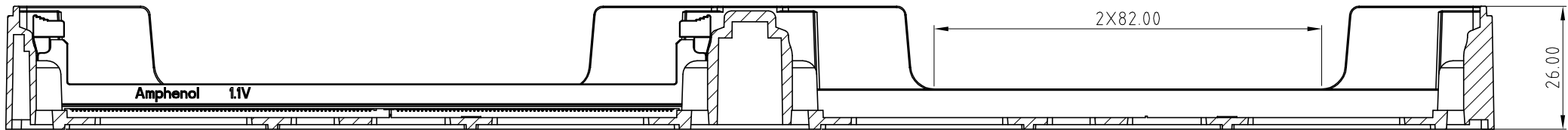
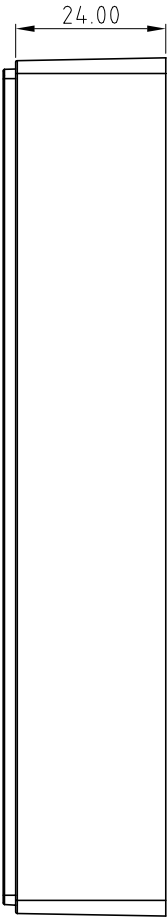
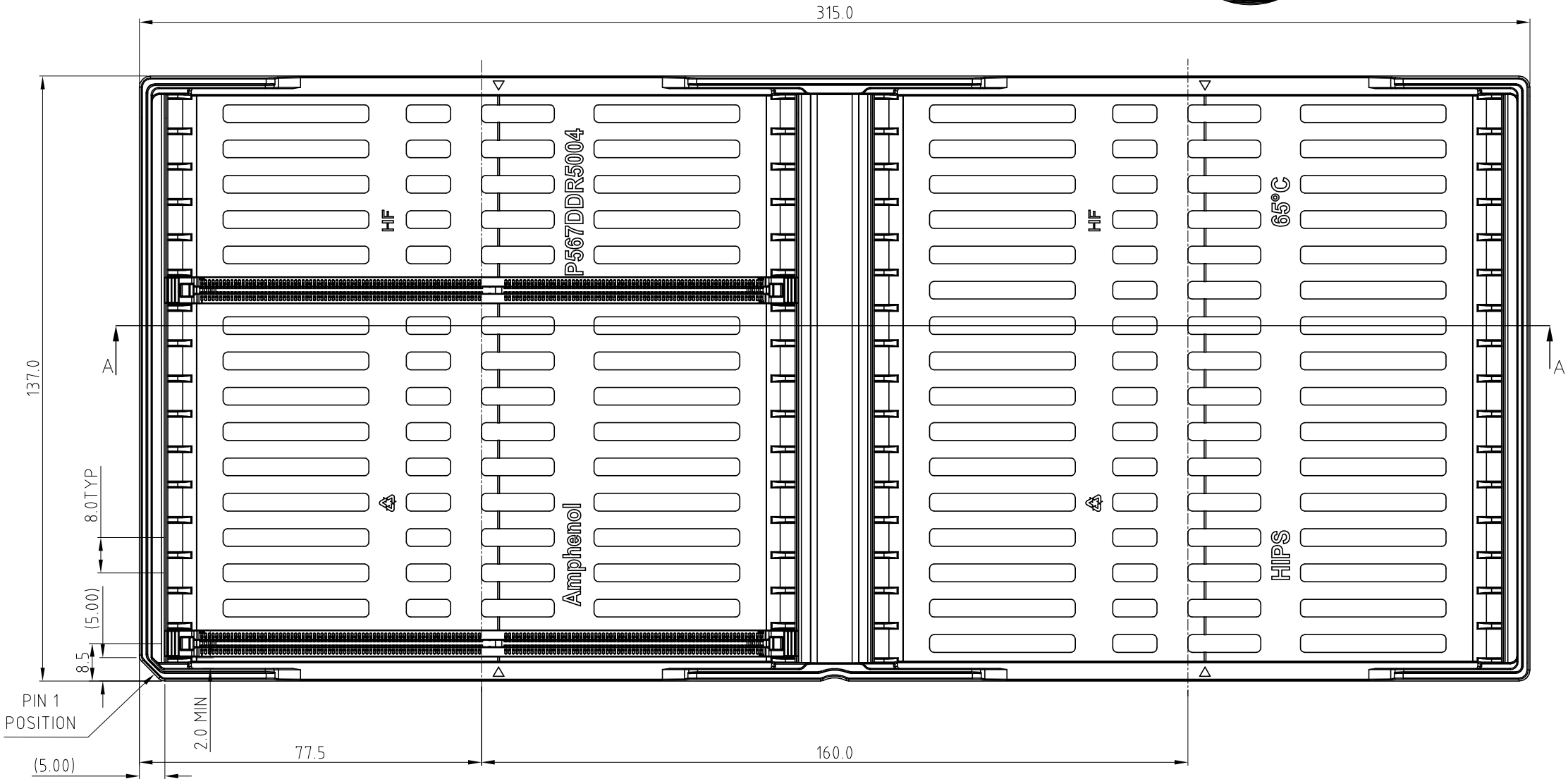
RECOMMENDED PCB LAYOUT  
MORE INFORMATION REFER TO JEDEC S0-023

| UNLESS OTHERWISE SPECIFIED TOLERANCES |        | APPROVAL                                 |             | DATE        | Amphenol                      |                         |              |
|---------------------------------------|--------|------------------------------------------|-------------|-------------|-------------------------------|-------------------------|--------------|
|                                       |        | DRAWN                                    | Kellen.Yang | May.05,2022 |                               |                         |              |
| .X                                    | +/-    | CHECKED                                  |             |             | TITLE                         |                         |              |
| .XX                                   | +/-    | CHECKED                                  |             |             |                               |                         |              |
| .XXX                                  | +/-    |                                          |             |             | DDR5 288P R/LR DIMM CONNECTOR |                         |              |
| FRACTIONS                             | +/-    |                                          |             |             | SIZE                          | DRAWING NO.             | REV.         |
| ANGLES                                | +/-    |                                          |             |             | A3                            | C DDR5-04-X-X-X-XXX-X-X | 18           |
| FOR MATERIALS AND FINISHES SEE NOTES  |        | DRAWING FILE : DRAWING\DDR\DDR504XXXXXXX |             |             | SCALE                         | NONE                    | SHEET 4 OF 6 |
| REMOVE SHARP EDGES                    |        | ANGLE OF PROJECTION                      |             |             |                               |                         |              |
| DIMENSIONS                            |        |                                          |             |             |                               |                         |              |
| U.S.                                  | INCHES |                                          |             |             |                               |                         |              |
| (METRIC)                              | (MM)   |                                          |             |             |                               |                         |              |



| 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                                    | Kellen.Yang | May.05,2022 |                               |             |
| .X +/-                                | 0.35   | CHECKED                                  |             |             |                               |             |
| .XX +/-                               | 0.25   | CHECKED                                  |             |             | TITLE                         |             |
| .XXX +/-                              | 0.15   | DRAWING FILE : DRAWING\DDR\DDR504XXXXXXX |             |             | DDR5 288P R/LR DIMM CONNECTOR |             |
| FRACTIONS +/-                         | 3°     | ANGLE OF PROJECTION                      |             |             | SIZE                          | DRAWING NO. |
| ANGLES +/-                            |        |                                          |             |             | A3                            | C           |
| FOR MATERIALS AND FINISHES SEE NOTES  |        |                                          |             |             | SCALE                         | NONE        |
| REMOVE SHARP EDGES                    |        |                                          |             |             | SHEET                         | 5 OF 6      |
| DIMENSIONS                            |        |                                          |             |             | REV.                          | 18          |
| U.S.                                  | INCHES |                                          |             |             |                               |             |
| (METRIC)                              | (MM)   |                                          |             |             |                               |             |

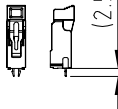
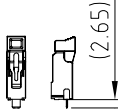
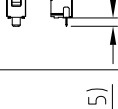
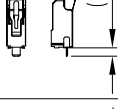
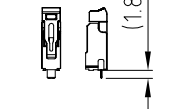
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## CUSTOMER DRAWING

## REVISIONS

| SYM | ECN | DESCRIPTION | DATE | APPROVED |
|-----|-----|-------------|------|----------|
|     |     | SEE SHEET1  |      |          |

## SEQUENCE NUMBER

| CODE  | OPTION DESCRIPTION                                                                                | FIGURE DIM "H"                                                                        |
|-------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 001   | 1. STANDARD HOUSING<br>2. STANDARD LATCH<br>3. FORK LOCK                                          |    |
| 002   | 1. STANDARD HOUSING<br>2. STANDARD LATCH<br>3. METAL TAB                                          |    |
| 005   | 1. STANDARD HOUSING<br>2. SHORT LATCH<br>3. FORK LOCK                                             |    |
| 006   | 1. STANDARD HOUSING<br>2. SHORT LATCH<br>3. METAL TAB                                             |    |
| 007   | 1. STANDARD HOUSING<br>2. STANDARD LATCH<br>3. METAL TAB                                          |    |
| 008   | 1. STANDARD HOUSING<br>2. SHORT LATCH<br>3. METAL TAB                                             |   |
| 009   | 1. STANDARD HOUSING<br>2. STANDARD LATCH<br>3. ONE FORK LOCK IN MIDDLE,<br>TWO TABS ON BOTH SIDES |  |
| ..... |                                                                                                   |                                                                                       |



## 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 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 g<sup>2</sup>/HZ TO 20HZ @ 0.02g<sup>2</sup>/HZ (SLOPE UP), 20 HZ TO 500HZ @ 0.02g<sup>2</sup>/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

04: 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: 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

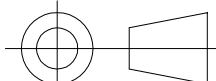
K: HARD TRAY PACKAGE, WITHOUT MYLAR

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

SEE SEQUENCE NUMBER TABLE

|                                                                   |  |                                                                                       |             |                            |  |                               |  |
|-------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-------------|----------------------------|--|-------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES                          |  | APPROVAL                                                                              |             | DATE                       |  | <h1>Amphenol</h1>             |  |
| U.S.      METRIC                                                  |  | DRAWN                                                                                 | Kellen.Yang | May.05,2022                |  |                               |  |
|                                                                   |  | CHECKED                                                                               |             |                            |  |                               |  |
|                                                                   |  | CHECKED                                                                               |             |                            |  |                               |  |
| .X    +/-<br>.XX   +/-<br>.XXX +/-<br>FRACTIONS +/-<br>ANGLES +/- |  |                                                                                       |             |                            |  | TITLE                         |  |
| FOR MATERIALS AND FINISHES<br>SEE NOTES                           |  | DRAWING FILE :<br>DRAWING\DDR\DDR504XXXXXXX                                           |             |                            |  | DDR5 288P R/LR DIMM CONNECTOR |  |
| REMOVE SHARP EDGES                                                |  | ANGLE OF PROJECTION                                                                   |             |                            |  |                               |  |
| DIMENSIONS                                                        |  |  |             | SIZE                       |  | DRAWING NO.                   |  |
| — U.S. —      — INCHES —<br>(METRIC)      (MM)                    |  |                                                                                       |             | A3 C DDR5-04-X-X-X-XXX-X-X |  | REV.<br>18                    |  |
|                                                                   |  |                                                                                       |             | SCALE                      |  | NONE                          |  |
|                                                                   |  |                                                                                       |             | SHEET 6 OF 6               |  |                               |  |