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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

A

A

B

B

C

C

D

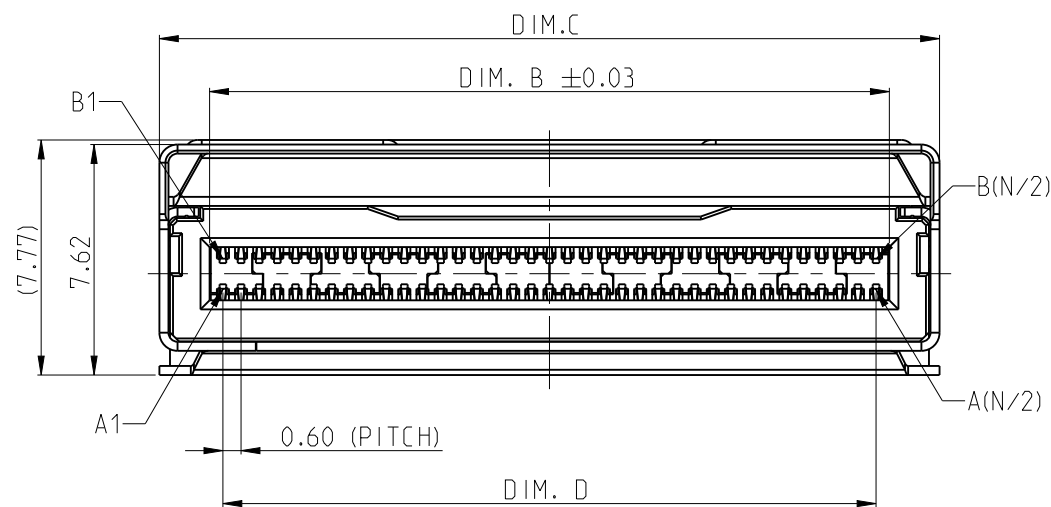
D

E

E

F

F



MINI COOL EDGE IO INTEGRATED CONNECTOR

VERTICAL TYPE

CONNECTOR SPEED  
2 : PCIE GEN 5

CHANNEL/PIN QTY  
1: 38P(4X+SIDEBAND OR 6X)  
2: 74P(8X+SIDEBAND OR 12X)  
4: 124P(16X+SIDEBAND OR 20X)  
5: 50P(6X+SIDEBAND OR 8X)  
6: 148P(20X+SIDEBAND OR 24X)  
7: 84P(8X+SIDEBAND OR 13X+SIDEBAND)

CONTACT FINISH  
2: 15u" GOLD  
3: 30u" GOLD

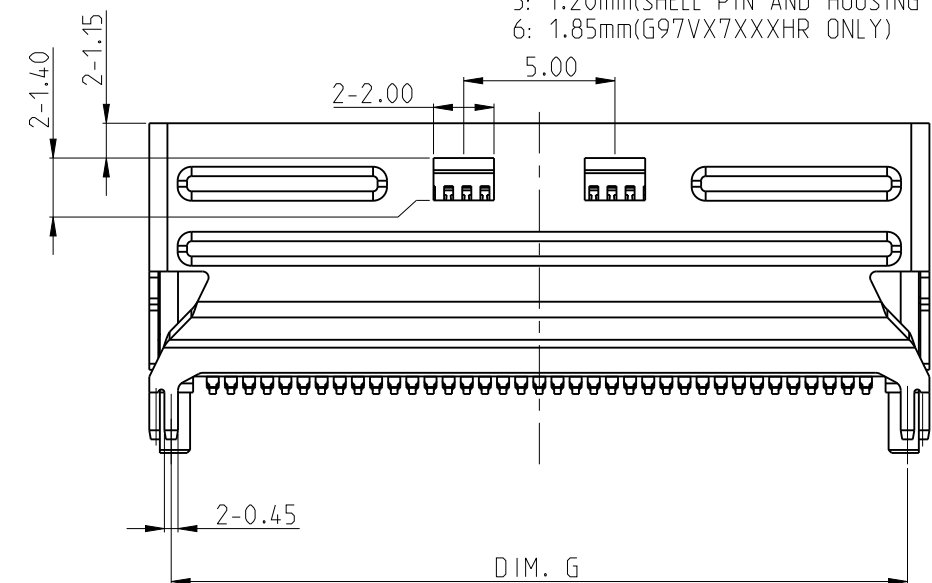
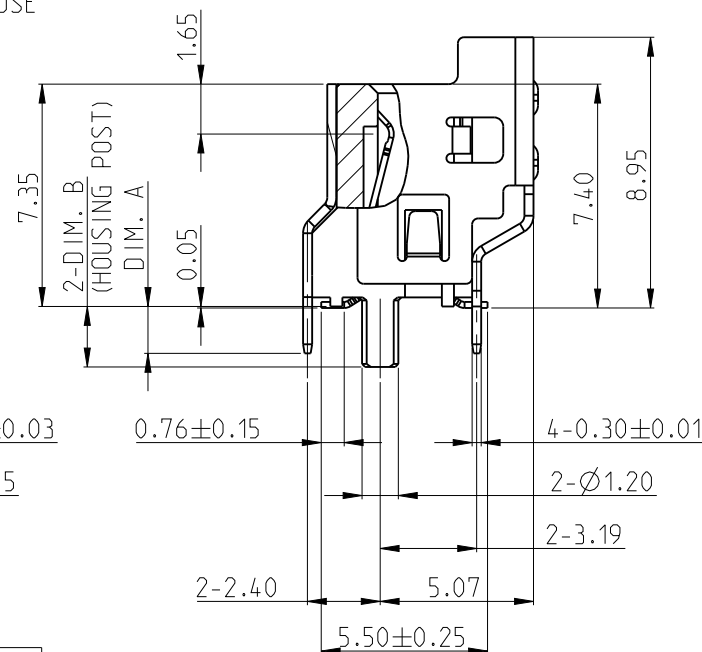
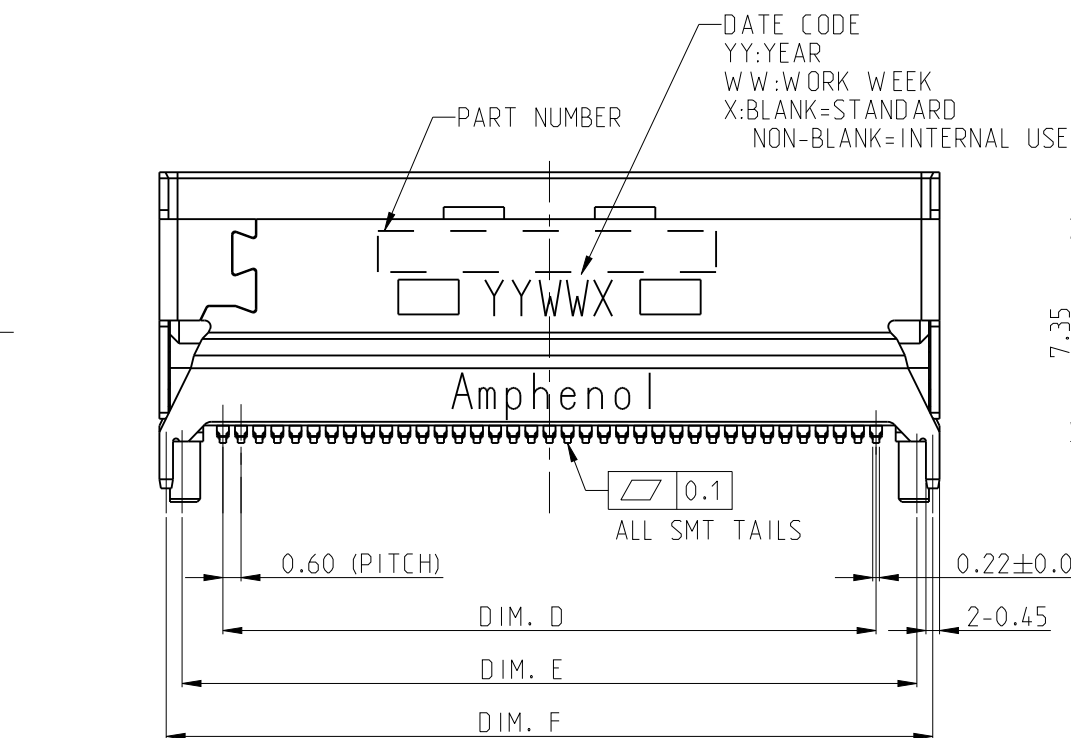
G97 V 2 X X X X X X HR

COMPLIANT CODE  
HR: HALOGEN-FREE & RoHS

VARIATION CODE  
BLANK: STANDARD

PACKING CODE  
2: TAPE AND REEL(WITH CAP)  
3: TAPE AND REEL(W/O PICK UP)  
4: TAPE AND REEL  
(WITH MYLAR, FOR G97VX7XX4HR ONLY)  
5. TAPE AND REEL WITH CUSTOMIZED

SHELL PIN LENGTH OPTION(DIM.A)  
1: 1.50mm  
2: 2.20mm  
3: 3.00mm  
4: 4.20mm  
5: 1.20mm(SHELL PIN AND HOUSING POST)  
6: 1.85mm(G97VX7XXXHR ONLY)



| PART NUMBER | DIM. A | DIM. B |
|-------------|--------|--------|
| G97VXXX1XHR | 1.50   | 2.00   |
| G97VXXX2XHR | 2.20   | 2.00   |
| G97VXXX3XHR | 3.00   | 2.00   |
| G97VXXX4XHR | 4.20   | 2.00   |
| G97VXXX5XHR | 1.20   | 1.20   |

| PART NUMBER | POS. (N) | DIM. B | DIM. C | DIM. D | DIM. E | DIM. F | DIM.G |
|-------------|----------|--------|--------|--------|--------|--------|-------|
| G97VX1XXXHR | 38       | 11.68  | 15.00  | 10.80  | 13.50  | 14.55  | 13.55 |
| G97VX5XXXHR | 50       | 15.28  | 18.60  | 14.40  | 17.10  | 18.15  | 17.15 |
| G97VX2XXXHR | 74       | 22.48  | 25.80  | 21.60  | 24.30  | 25.35  | 24.35 |

NOTES:

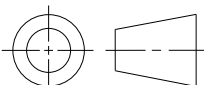
1. MATERIALS:  
PLASTICS : HIGH TEMPERATURE THERMOPLASTIC  
UL94V-0,COLOR:BLACK  
PLASTIC MATERIAL: E83005  
SHELL : STAINLESS  
CONTACT: COPPER ALLOY

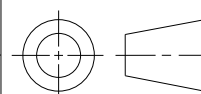
2: FINISH  
TERMINAL : CONTACT AREA : SELECTED GOLD PLATING.  
SOLDER AREA : MATTE TIN PLATING 100u"  
UNDER PLATING: NICKEL PLATING 50u"MIN OVER ALL

SHELL : UNDER PLATING: ELECTROLESS NICKEL PLATING 50u"MIN OVER ALL

3.THIS PRODUCT DOESN'T CONTAIN ENVIROMENTAL HAZARDOUS MATERIALS PER DERCTIVE 2011/65/EU & 2015/863/EU FOR RoHS AND PER IEC 61249-2-21 FOR HALOGEN FREE.

4.PRODUCT SPEC REFER TO PS-7755

|                                                                                                   |          |             |              |                                                                                        |                                                                                       |      |                                                                      |         |                     |        |  |
|---------------------------------------------------------------------------------------------------|----------|-------------|--------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|----------------------------------------------------------------------|---------|---------------------|--------|--|
| TOLERANCE                                                                                         | DRAWN    | APPROVALS   | DATE         | TITLE                                                                                  |                                                                                       |      | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |         |                     |        |  |
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10<br><br>ANGULAR ±2°<br><br>UNLESS OTHERWISE SPECIFIED | DESIGNED | JOAN LU     | 2024-10-30   | MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |                                                                                       |      | PART No. G97VXXXXXHR                                                 |         |                     |        |  |
|                                                                                                   | CHECKED  | Sondra Sang | 2024-11-04   |                                                                                        |                                                                                       |      |                                                                      |         |                     |        |  |
|                                                                                                   | APPROVED | Hank Hsu    | 2024-11-04   |                                                                                        |                                                                                       |      |                                                                      |         |                     |        |  |
|                                                                                                   | DWG TYPE | CUST DWG    | PROJECT CODE | T735                                                                                   |  | UNIT | mm                                                                   | SIZE    | A3                  | REV. C |  |
|                                                                                                   |          |             |              |                                                                                        | SCALE                                                                                 | NA   | SHEET                                                                | 1 OF 12 | DWG No. G97VXXXXXHR |        |  |



Amphenol®

Amphenol Corporation  
Amphenol Taiwan Corporation

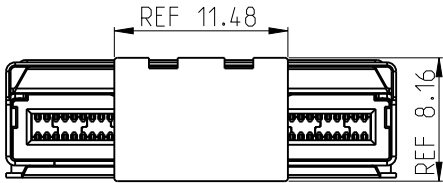
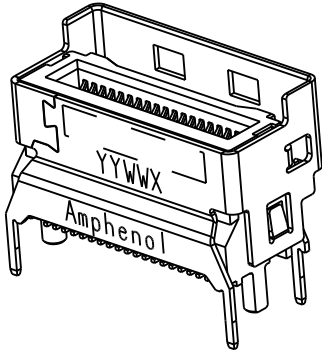
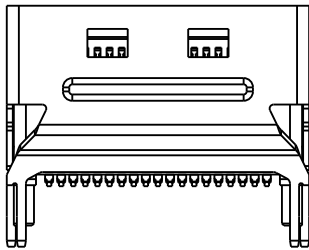
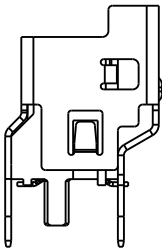
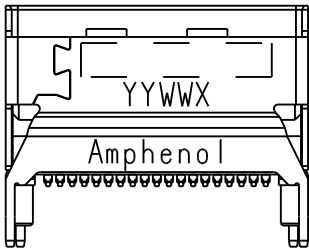
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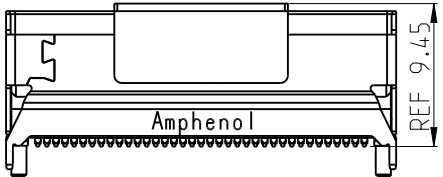
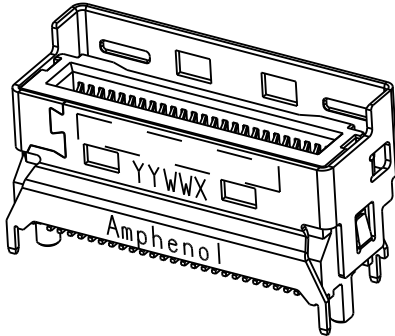
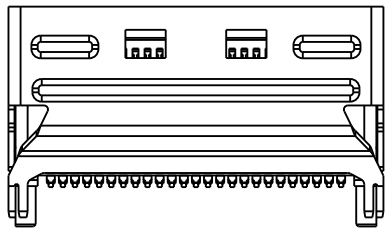
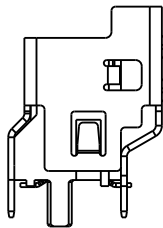
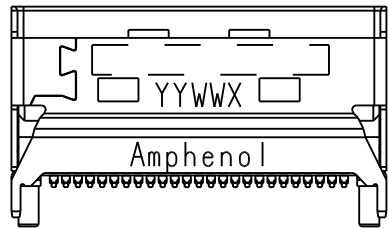


| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

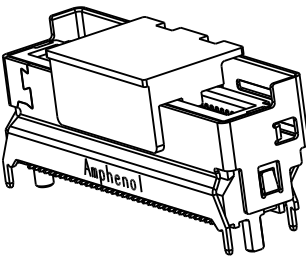
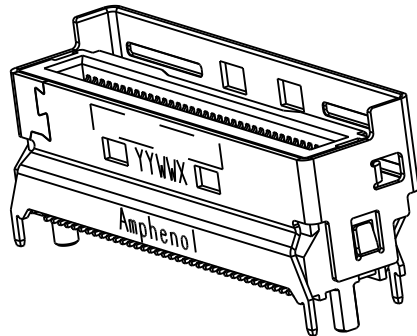
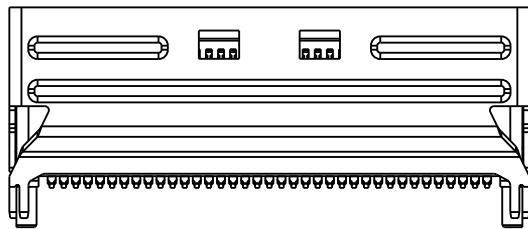
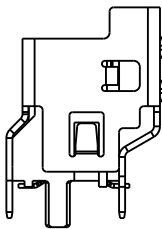
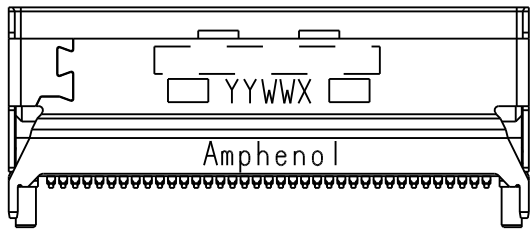
G97VX1XXXHR



G97VX5XXXHR



G97VX2XXXHR



CAP DIMENSION  
APPLCABLE PART NUMBER:  
G97VX1XX2HR  
G97VX2XX2HR  
G97VX5XX2HR

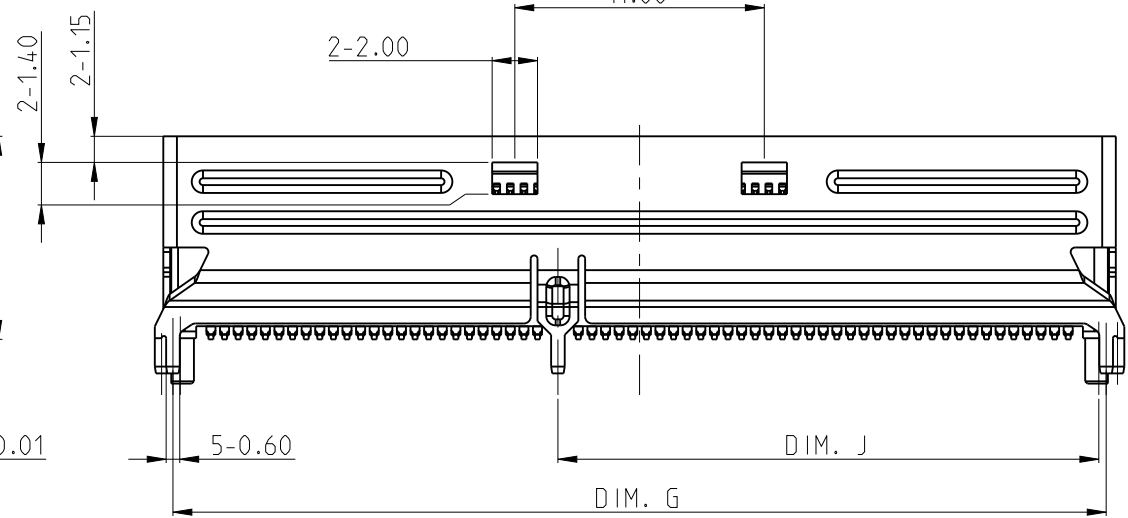
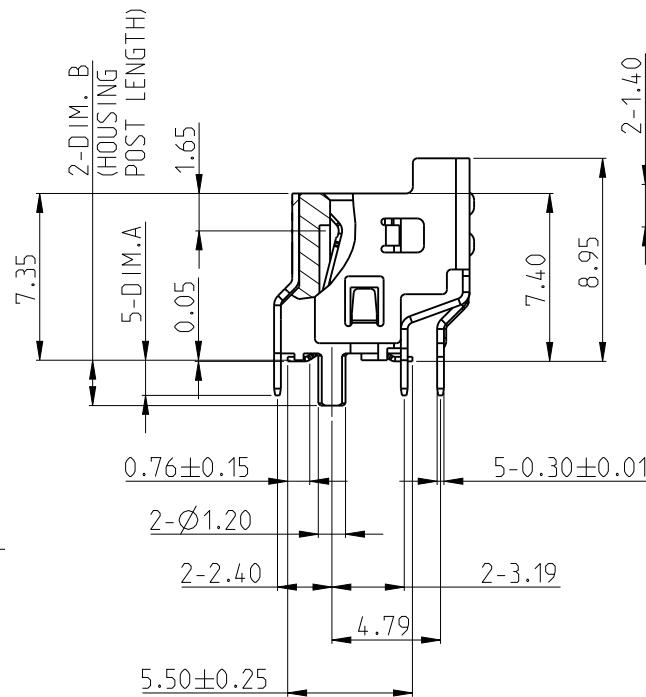
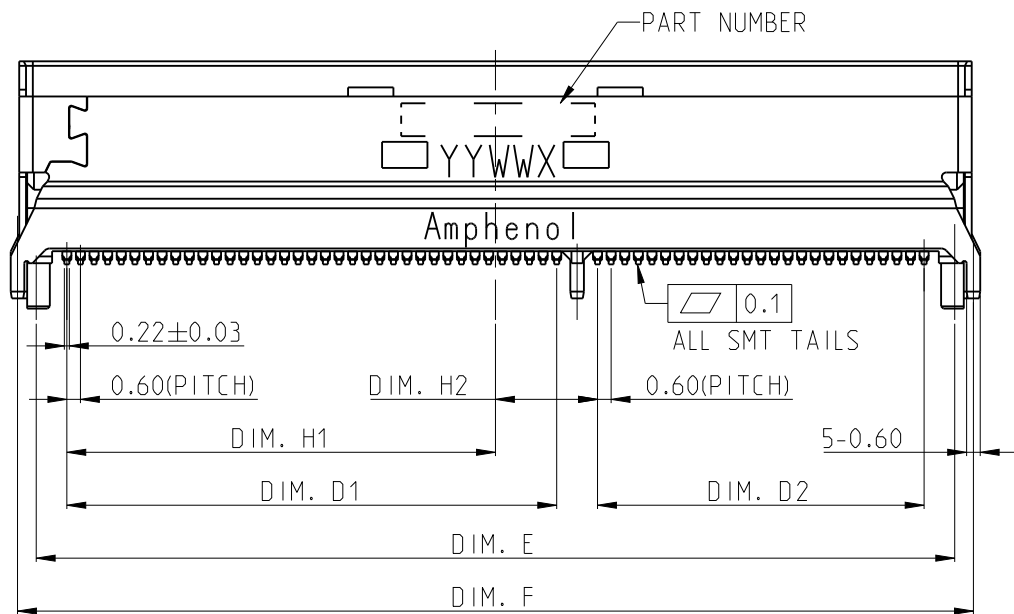
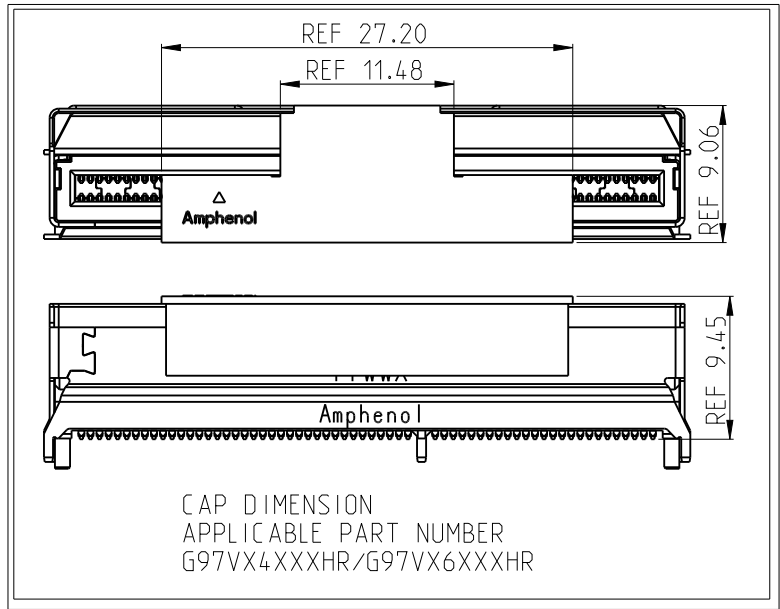
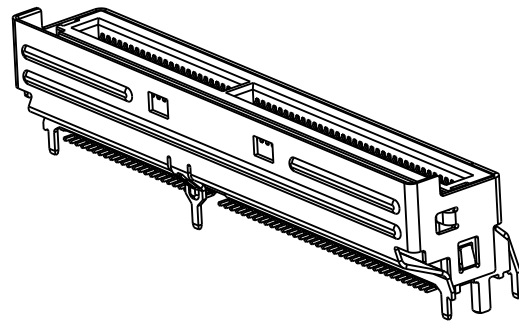
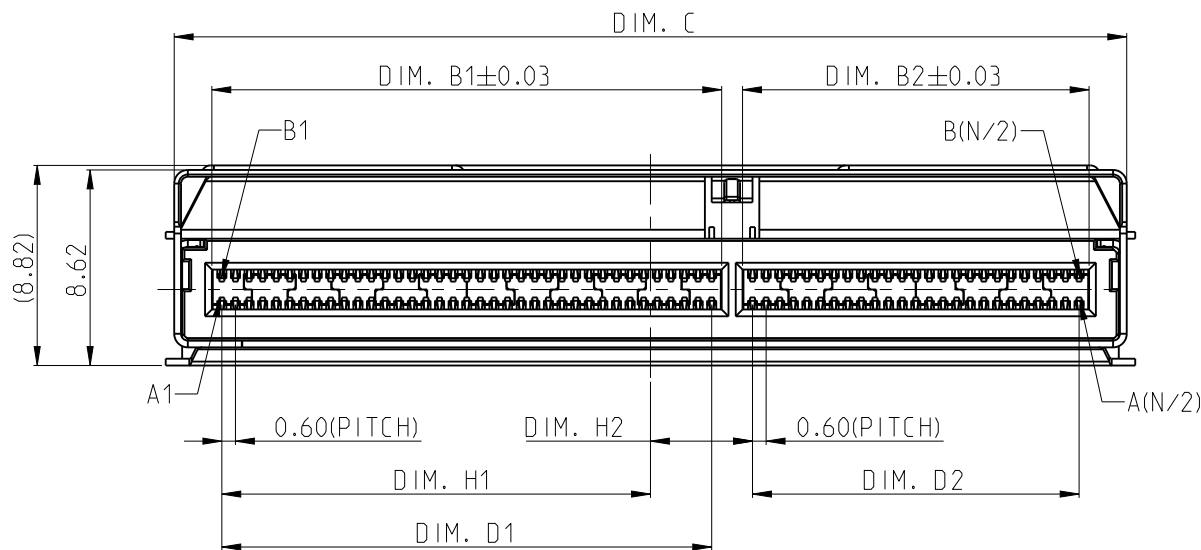
| TOLERANCE                                                                                         | DRAWN    | APPROVALS   | DATE                 | TITLE                                                                                  |                  | Amphenol®                                           |            |                         |           |
|---------------------------------------------------------------------------------------------------|----------|-------------|----------------------|----------------------------------------------------------------------------------------|------------------|-----------------------------------------------------|------------|-------------------------|-----------|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10<br><br>ANGULAR ±2°<br><br>UNLESS OTHERWISE SPECIFIED | DESIGNED | JOAN LU     | 2024-10-30           | MINI COOL EDGE 10<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |                  | Amphenol Corporation<br>Amphenol Taiwan Corporation |            |                         |           |
|                                                                                                   | CHECKED  | Sondra Sang | 2024-11-04           |                                                                                        |                  |                                                     |            |                         |           |
|                                                                                                   | APPROVED | Hank Hsu    | 2024-11-04           |                                                                                        |                  |                                                     |            |                         |           |
|                                                                                                   | DWG TYPE | CUST DWG    | PROJECT CODE<br>T735 |                                                                                        |                  | UNIT<br>mm                                          | SIZE<br>A3 | PART No.<br>G97VXXXXXHR | REV.<br>C |
|                                                                                                   |          |             |                      | SCALE<br>NA                                                                            | SHEET<br>2 OF 12 | DWG No.<br>G97VXXXXXHR                              |            |                         |           |

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| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |



| PART NUMBER | POS. (N) | DIM. B1 | DIM. B2 | DIM. C | DIM. D1 | DIM. D2 | DIM. E | DIM. F | DIM. G | DIM. H1 | DIM. H2 | DIM. J |
|-------------|----------|---------|---------|--------|---------|---------|--------|--------|--------|---------|---------|--------|
| G97VX4XXXHR | 124      | 22.48   | 15.28   | 42.00  | 21.60   | 14.40   | 40.50  | 42.15  | 41.15  | 18.90   | 4.50    | 23.85  |
| G97VX6XXXHR | 148      | 22.48   | 22.48   | 49.20  | 21.60   | 21.60   | 47.70  | 49.35  | 48.35  | 22.50   | 0.90    | 23.85  |

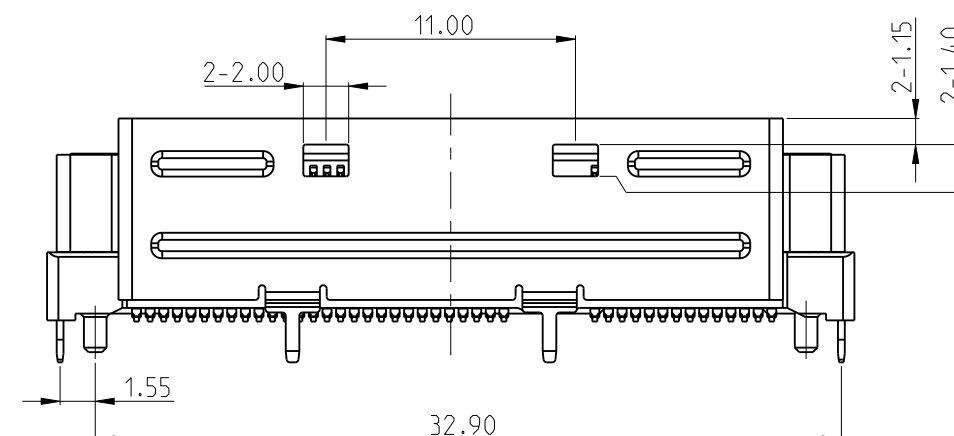
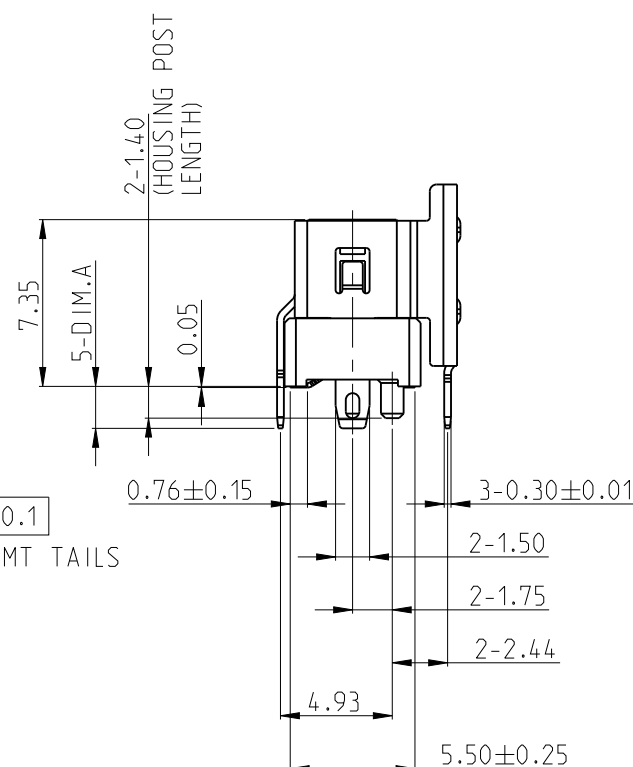
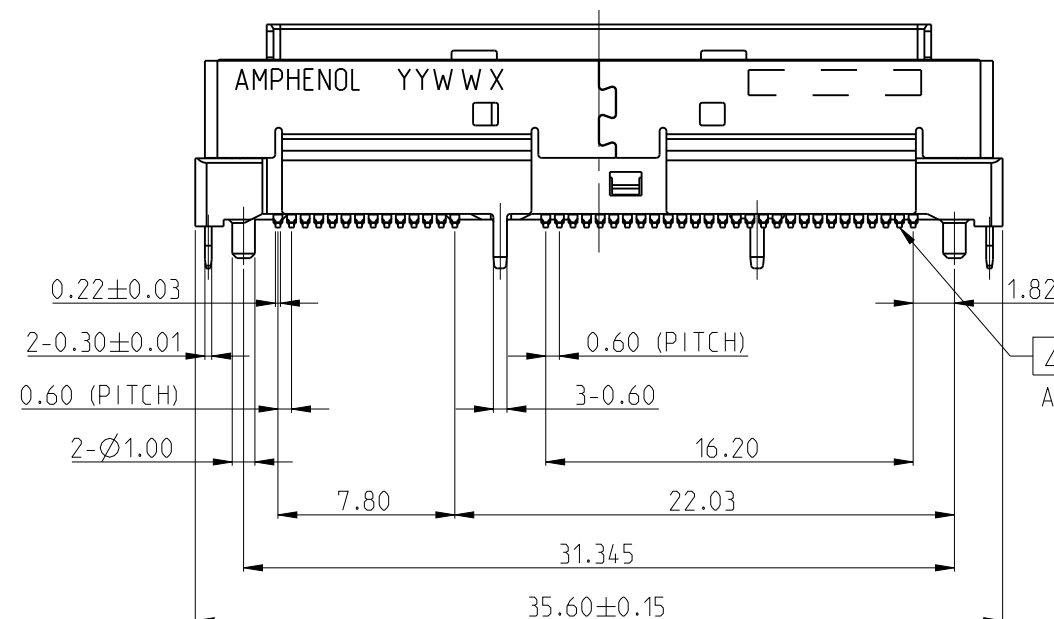
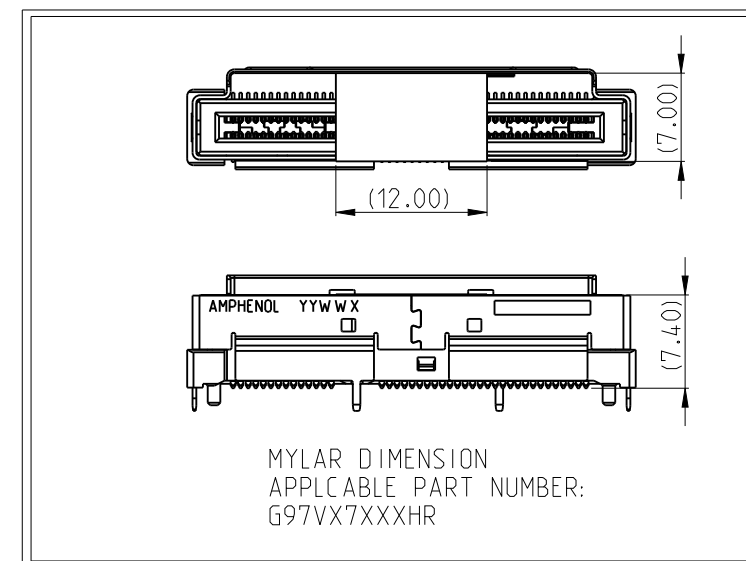
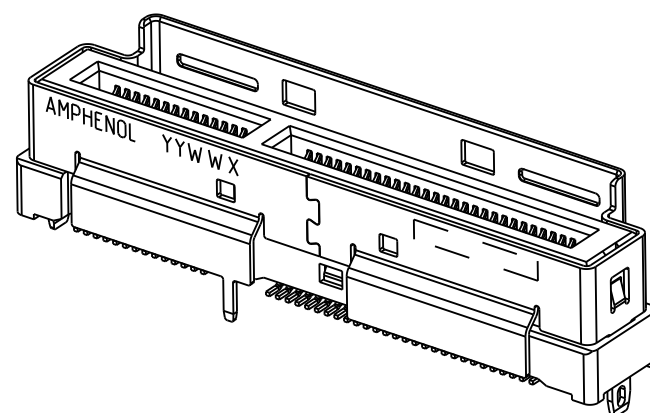
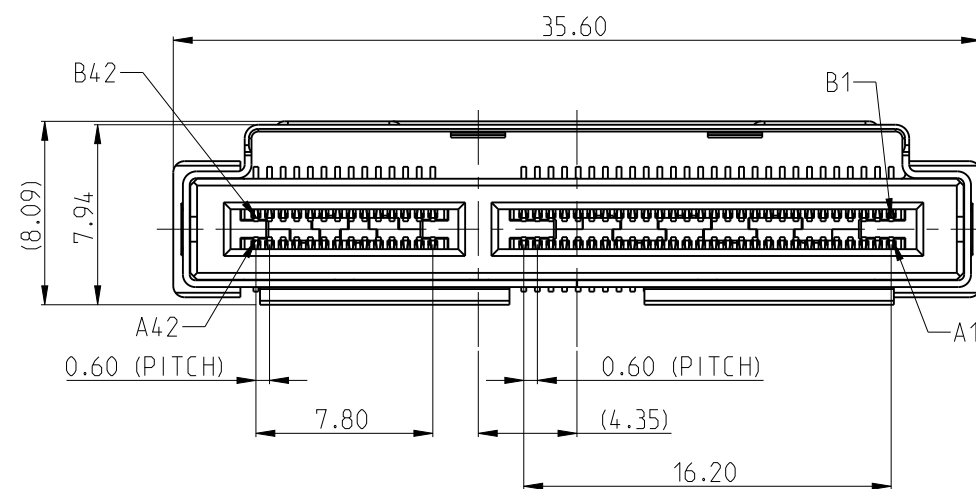
| TOLERANCE                                    | DRAWN    | APPROVALS   | DATE              | TITLE<br>MINI COOL EDGE 10<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |  |  | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |  |  |
|----------------------------------------------|----------|-------------|-------------------|-------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------|--|--|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DESIGNED | JOAN LU     | 2024-10-30        |                                                                                                 |  |  |                                                                  |  |  |
| ANGULAR ±2°                                  | CHECKED  | Sondra Sang | 2024-11-04        |                                                                                                 |  |  | PART No. G97VXXXXXHR                                             |  |  |
| UNLESS OTHERWISE SPECIFIED                   | APPROVED | Hank Hsu    | 2024-11-04        |                                                                                                 |  |  |                                                                  |  |  |
|                                              | DWG TYPE | CUST DWG    | PROJECT CODE T735 |                                                                                                 |  |  | UNIT mm SIZE A3                                                  |  |  |
|                                              |          |             |                   | SCALE NA SHEET 3 OF 12                                                                          |  |  | DWG No. G97VXXXXXHR REV. C                                       |  |  |

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| REVISIONS |          |                                                            |            |         |
|-----------|----------|------------------------------------------------------------|------------|---------|
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| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION<br>IN PCB LAYOUT | 10/30/2024 | JOAN LU |

G97VX7XXXHR



|                                              |                        |                      |                                                                                                 |                  |        |                                                                      |  |  |
|----------------------------------------------|------------------------|----------------------|-------------------------------------------------------------------------------------------------|------------------|--------|----------------------------------------------------------------------|--|--|
| TOLERANCE                                    | DRAWN<br>APPROVALS     | DATE                 | TITLE<br>MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |                  |        | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |  |  |
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DESIGNED<br>JOAN LU    | 2024-10-30           |            |                  |        | PART No. G97VXXXXXXHR                                                |  |  |
|                                              | CHECKED<br>Sondra Sang | 2024-11-04           |                                                                                                 |                  |        |                                                                      |  |  |
|                                              | APPROVED<br>Hank Hsu   | 2024-11-04           |                                                                                                 |                  |        |                                                                      |  |  |
| ANGULAR ±2°                                  | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>T735 | UNIT<br>mm                                                                                      | SHEET<br>4 OF 12 | REV. C |                                                                      |  |  |
| UNLESS OTHERWISE SPECIFIED                   |                        |                      |                                                                                                 |                  |        |                                                                      |  |  |

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RECOMMENDED PCB LAYOUT  
(GENERAL TOLERANCES :+/-0.05)

| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
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| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

A

B

C

D

E

F

A

B

C

D

E

F

| PART NUMBER | POS. (N) | DIM. D | DIM. E | DIM. F | DIM. G |
|-------------|----------|--------|--------|--------|--------|
| G97VX1XXXHR | 38       | 10.80  | 13.50  | 14.55  | 13.55  |
| G97VX5XXXHR | 50       | 14.40  | 17.10  | 18.15  | 17.15  |
| G97VX2XXXHR | 74       | 21.60  | 24.30  | 25.35  | 24.35  |

| PART NUMBER<br>(APPLY TO 38P/74P/50P) | DIM. U |
|---------------------------------------|--------|
| G97VXXX1XHR                           | 0.8    |
| G97VXXX2XHR                           |        |
| G97VXXX3XHR                           |        |
| G97VXXX5XHR                           |        |
| G97VXXX4XHR                           | 0.95   |

| PART NUMBER | POS. (N) | DIM. D1 | DIM. D2 | DIM. E | DIM. F | DIM. G | DIM. H1 | DIM. H2 |
|-------------|----------|---------|---------|--------|--------|--------|---------|---------|
| G97VX4XXXHR | 124      | 21.60   | 14.40   | 40.50  | 42.15  | 41.15  | 18.90   | 4.50    |
| G97VX6XXXHR | 148      | 21.60   | 21.60   | 47.70  | 49.35  | 48.35  | 22.50   | 0.90    |

| PART NUMBER | POS. (N) | DIM. S | DIM. T |
|-------------|----------|--------|--------|
| G97VX4X1XHR | 124      | 0.5    | 1.1    |
| G97VX4X2XHR |          |        |        |
| G97VX4X3XHR |          |        |        |
| G97VX4X5XHR |          |        |        |
| G97VX4X4XHR | 148      | 0.65   | 1.3    |
| G97VX6XXXHR |          |        |        |

| TOLERANCE                                                                                         | DRAWN                                                                                                     | APPROVALS | DATE                                           | TITLE<br>MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |  | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |  |                          |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------|-------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|--------------------------|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10<br><br>ANGULAR ±2°<br><br>UNLESS OTHERWISE SPECIFIED | DESIGNED<br>JOAN LU<br><br>CHECKED<br>Sondra Sang<br><br>APPROVED<br>Hank Hsu<br><br>DWG TYPE<br>CUST DWG |           | 2024-10-30<br><br>2024-11-04<br><br>2024-11-04 |                                                                                                 |  |                                                                  |  |                          |
|                                                                                                   |                                                                                                           |           |                                                | UNIT mm<br>SCALE NA                                                                             |  | SIZE A3<br>SHEET 5 OF 12                                         |  | PART No.<br>G97VXXXXXXHR |
|                                                                                                   |                                                                                                           |           | PROJECT CODE<br>T735                           |                                                                                                 |  | DWG No.<br>G97VXXXXXXHR                                          |  | REV.<br>C                |

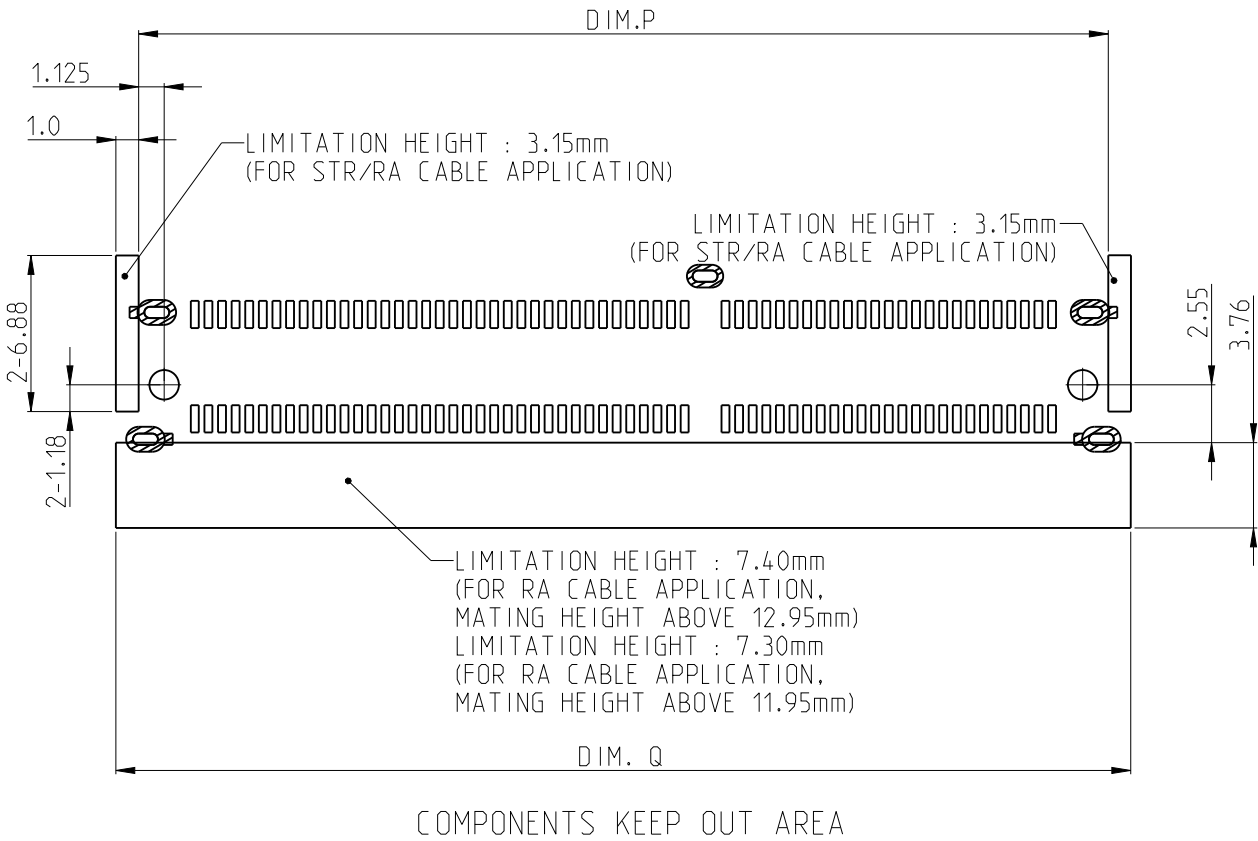
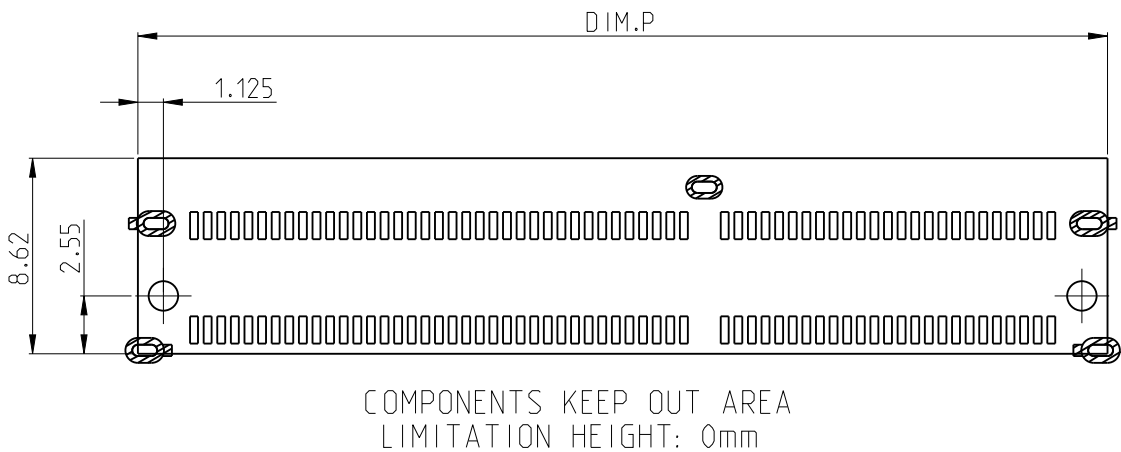
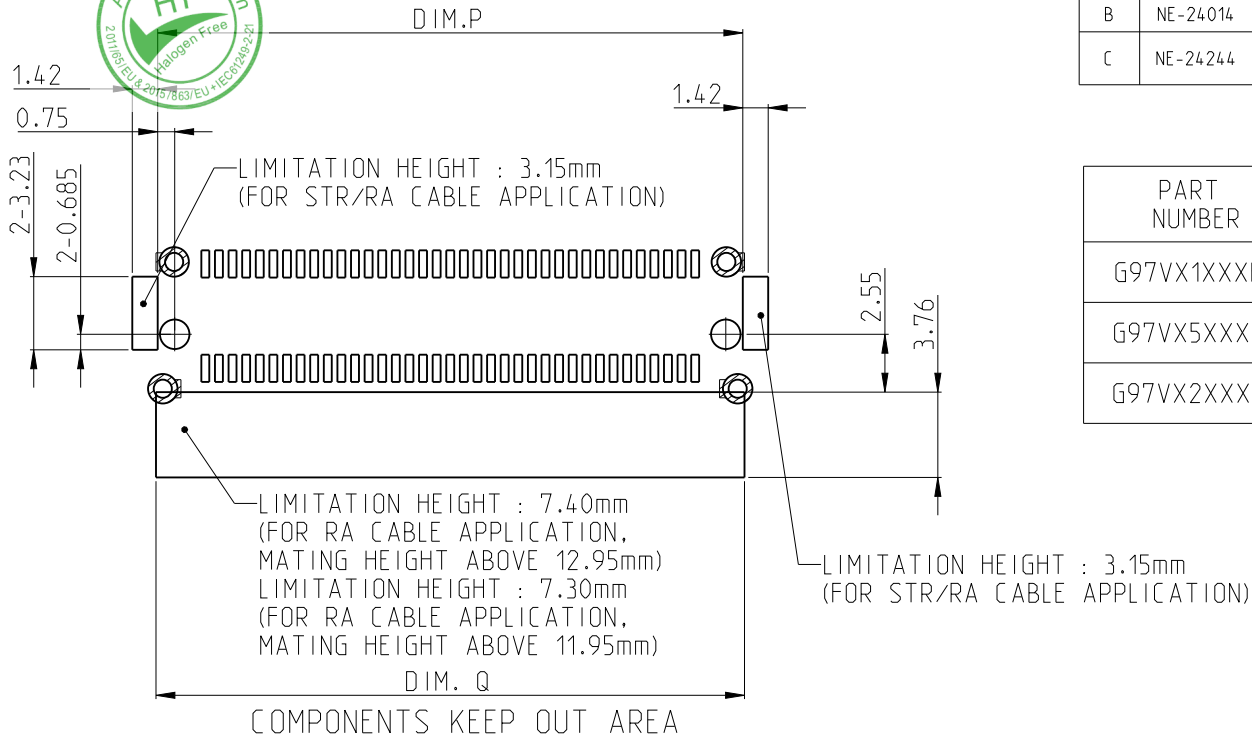
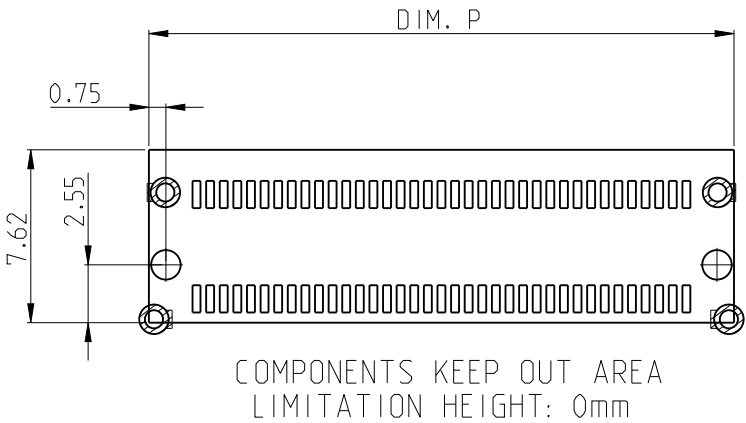
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| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

| PART NUMBER | POS. (N) | DIM. P | DIM. Q |
|-------------|----------|--------|--------|
| G97VX1XXXHR | 38       | 15.00  | 15.15  |
| G97VX5XXXHR | 50       | 18.60  | 18.75  |
| G97VX2XXXHR | 74       | 25.80  | 25.95  |



| PART NUMBER | POS. (N) | DIM. P | DIM.Q |
|-------------|----------|--------|-------|
| G97VX4XXXHR | 124      | 42.75  | 44.75 |
| G97VX6XXXHR | 148      | 49.95  | 51.95 |

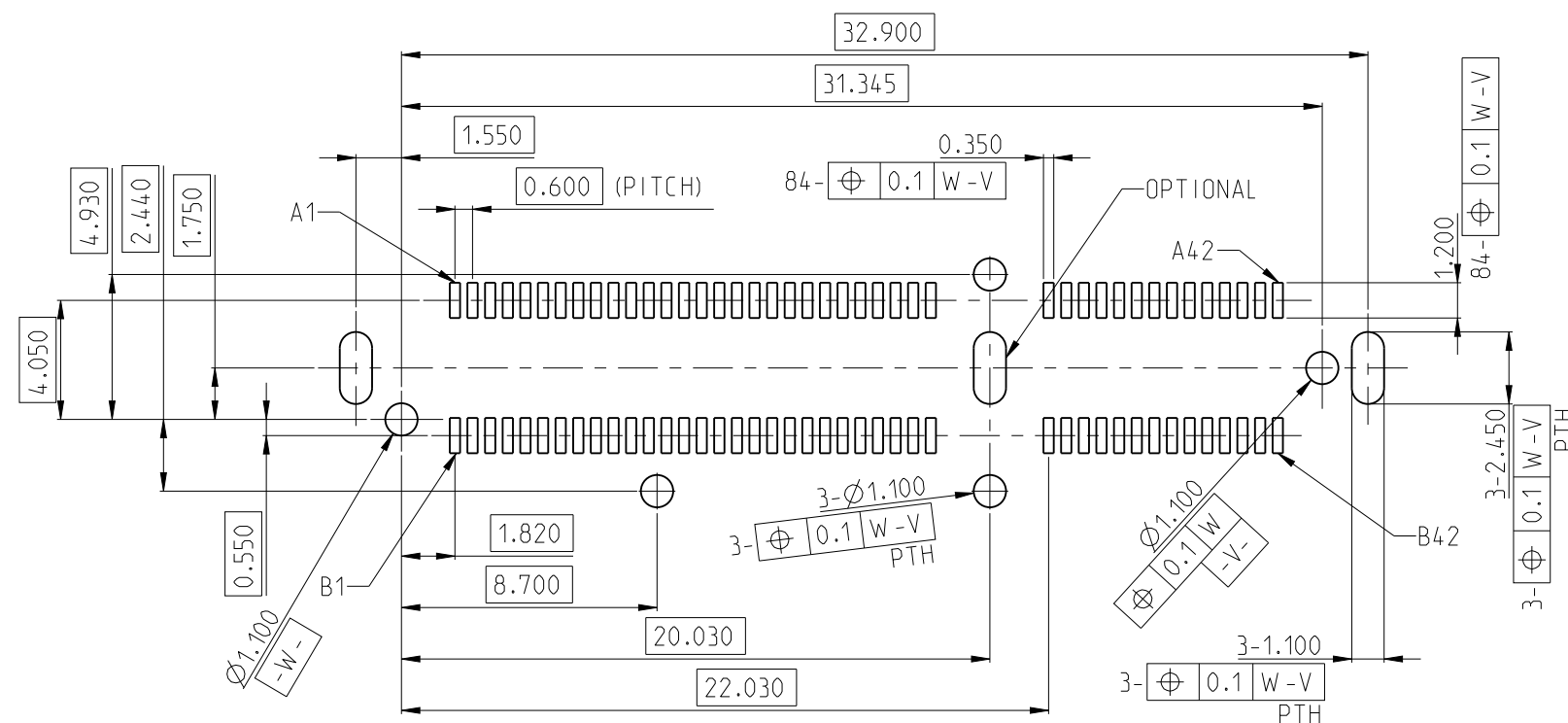
| TOLERANCE                                    | DRAWN    | APPROVALS   | DATE                 | TITLE<br>MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |             | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |                          |  |
|----------------------------------------------|----------|-------------|----------------------|-------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------|--------------------------|--|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DESIGNED | JOAN LU     | 2024-10-30           |                                                                                                 |             |                                                                  |                          |  |
| ANGULAR ±2°                                  | CHECKED  | Sondra Sang | 2024-11-04           |                                                                                                 | UNIT<br>mm  | SIZE<br>A3                                                       | PART No.<br>G97VXXXXXXHR |  |
| UNLESS OTHERWISE SPECIFIED                   | APPROVED | Hank Hsu    | 2024-11-04           |                                                                                                 |             |                                                                  | DWG No.<br>G97VXXXXXXHR  |  |
|                                              | DWG TYPE | CUST DWG    | PROJECT CODE<br>T735 |                                                                                                 | SCALE<br>NA | SHEET<br>6 OF 12                                                 | REV.<br>C                |  |

The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



| REVISIONS |          |                                                            |            |         |
|-----------|----------|------------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                                | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                      | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                              | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION<br>IN PCB LAYOUT | 10/30/2024 | JOAN LU |

G97VX7XXXHR



RECOMMENDED PCB LAYOUT  
(GENERAL TOLERANCES :+/-0.05)

|                                                              |                        |                      |                                                                                                 |                  |                                        |                                                                      |  |  |
|--------------------------------------------------------------|------------------------|----------------------|-------------------------------------------------------------------------------------------------|------------------|----------------------------------------|----------------------------------------------------------------------|--|--|
| TOLERANCE                                                    | DRAWN<br>APPROVALS     | DATE                 | TITLE<br>MINI COOL EDGE 10<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |                  |                                        | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |  |  |
| X.<br>X.X        ±0.30<br>X.XX      ±0.20<br>X.XXX     ±0.10 | DESIGNED<br>JOAN LU    | 2024-10-30           |            |                  |                                        | PART No.                    G97VXXXXXHR                              |  |  |
|                                                              | CHECKED<br>Sondra Sang | 2024-11-04           |                                                                                                 |                  |                                        |                                                                      |  |  |
|                                                              | APPROVED<br>Hank Hsu   | 2024-11-04           |                                                                                                 |                  |                                        |                                                                      |  |  |
| ANGULAR    ±2°                                               | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>T735 | UNIT<br>mm                                                                                      | SIZE<br>A3       | DWG No.                    G97VXXXXXHR |                                                                      |  |  |
| UNLESS OTHERWISE SPECIFIED                                   |                        |                      | SCALE<br>NA                                                                                     | SHEET<br>7 OF 12 | REV.<br>C                              |                                                                      |  |  |

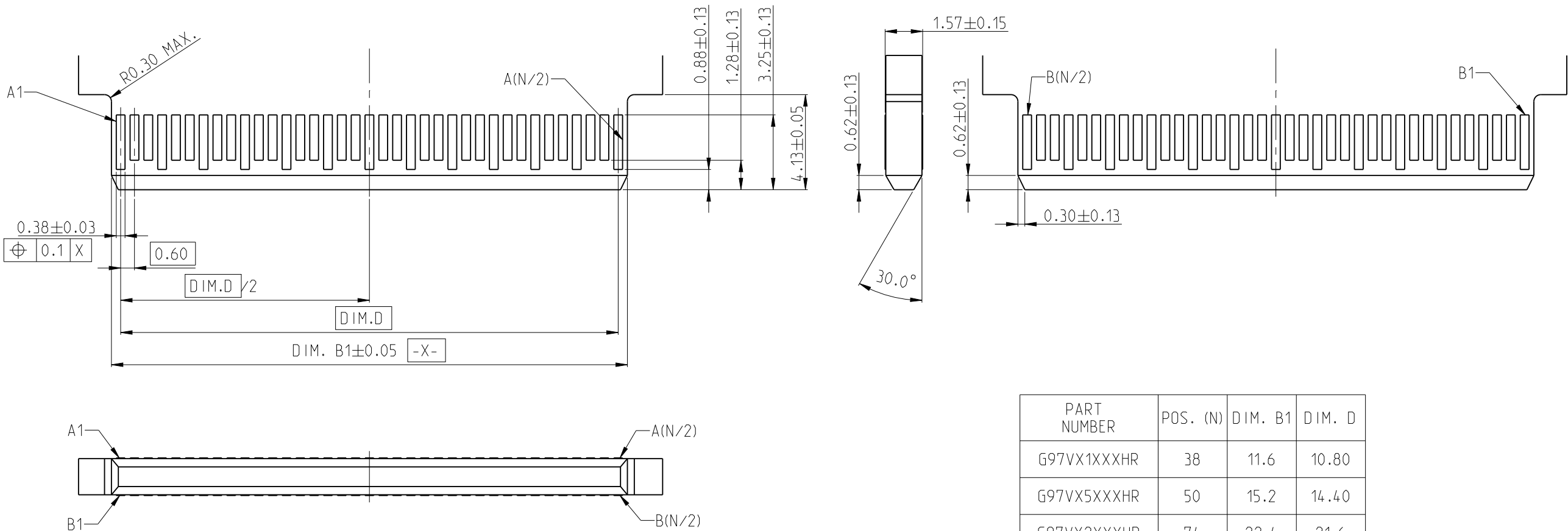
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| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

RECOMMENDED AIC MATING CARD DIMENSIONS



| PART NUMBER | POS. (N) | DIM. B1 | DIM. D |
|-------------|----------|---------|--------|
| G97VX1XXXHR | 38       | 11.6    | 10.80  |
| G97VX5XXXHR | 50       | 15.2    | 14.40  |
| G97VX2XXXHR | 74       | 22.4    | 21.6   |

| TOLERANCE                                          | DRAWN    | APPROVALS   | DATE                 | TITLE<br>MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |                  | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |            |                         |
|----------------------------------------------------|----------|-------------|----------------------|-------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------|------------|-------------------------|
| X.<br>X.X     ±0.30<br>X.XX   ±0.20<br>X.XXX ±0.10 | DESIGNED | JOAN LU     | 2024-10-30           |                                                                                                 |                  |                                                                  |            |                         |
| ANGULAR   ±2°                                      | CHECKED  | Sondra Sang | 2024-11-04           |                                                                                                 |                  |                                                                  |            |                         |
| UNLESS OTHERWISE SPECIFIED                         | APPROVED | Hank Hsu    | 2024-11-04           |                                                                                                 |                  |                                                                  |            |                         |
|                                                    | DWG TYPE | CUST DWG    | PROJECT CODE<br>T735 |                                                                                                 |                  | UNIT<br>mm                                                       | SIZE<br>A3 | PART No.<br>G97VXXXXXHR |
|                                                    |          |             |                      | SCALE<br>NA                                                                                     | SHEET<br>8 OF 12 |                                                                  |            | REV.<br>C               |

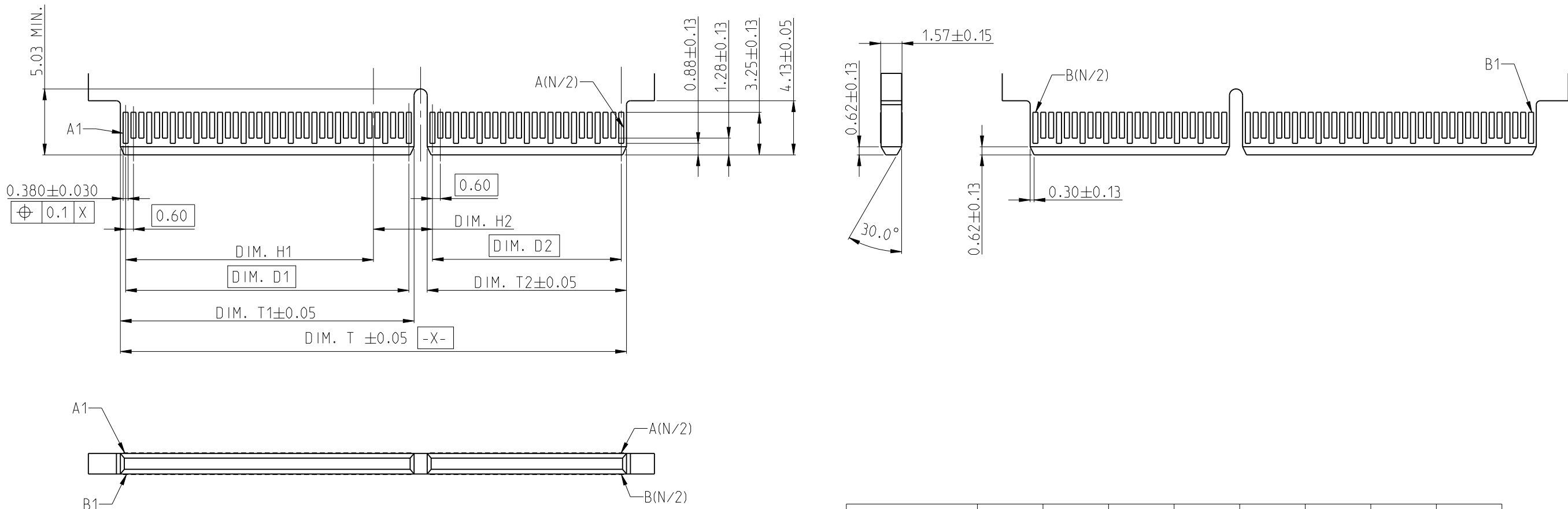
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| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

RECOMMENDED AIC MATING CARD DIMENSIONS



| PART NUMBER | POS. (N) | DIM. D1 | DIM. D2 | DIM. H1 | DIM. H2 | DIM. T | DIM. T1 | DIM. T2 |
|-------------|----------|---------|---------|---------|---------|--------|---------|---------|
| G97VX4XXXHR | 124      | 21.60   | 14.40   | 18.90   | 4.50    | 38.6   | 22.4    | 15.2    |
| G97VX6XXXHR | 148      | 21.60   | 21.60   | 22.50   | 0.90    | 45.8   | 22.4    | 22.4    |

| TOLERANCE                                    | DRAWN    | APPROVALS   | DATE              | TITLE<br>MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |    | Amphenol®<br>Amphenol Corporation<br>Amphenol Taiwan Corporation |         |        |
|----------------------------------------------|----------|-------------|-------------------|-------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------|---------|--------|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 | DESIGNED | JOAN LU     | 2024-10-30        |                                                                                                 |    |                                                                  |         |        |
| ANGULAR ±2°                                  | CHECKED  | Sondra Sang | 2024-11-04        |                                                                                                 |    | PART No. G97VXXXXXHR                                             |         |        |
| UNLESS OTHERWISE SPECIFIED                   | APPROVED | Hank Hsu    | 2024-11-04        |                                                                                                 |    | DWG No. G97VXXXXXHR                                              |         |        |
|                                              | DWG TYPE | CUST DWG    | PROJECT CODE T735 | UNIT                                                                                            | mm | SIZE                                                             | A3      | REV. C |
|                                              |          |             |                   | SCALE                                                                                           | NA | SHEET                                                            | 9 OF 12 |        |

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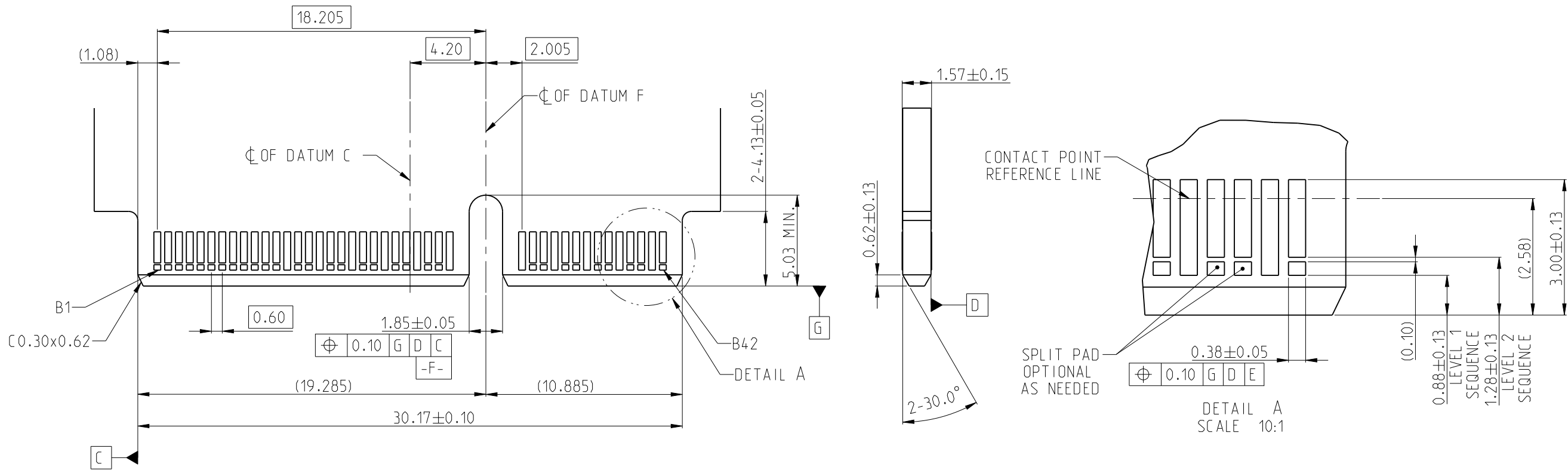
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



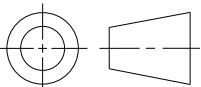
| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |

RECOMMENDED AIC MATING CARD DIMENSIONS

G97VX7XXXHR



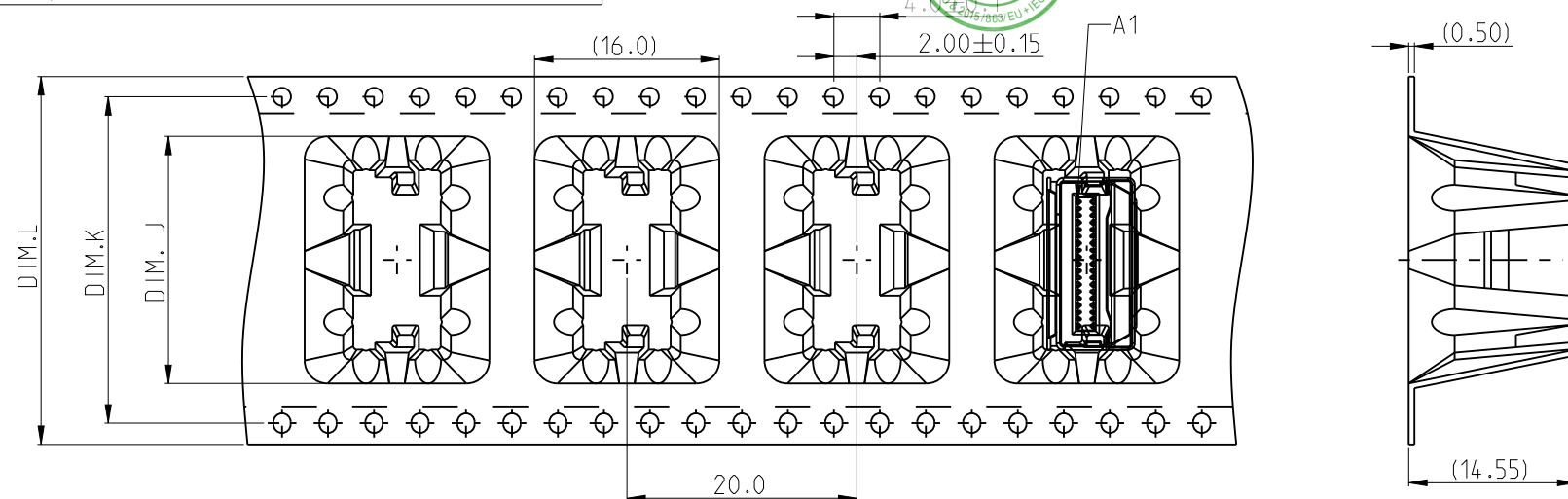
NOTE: POSITION A1 ON OPPOSITE SIDE OF CARD OF B1

|                                                             |  |                        |                      |                                                                                                 |             |                   |                                                                      |           |  |
|-------------------------------------------------------------|--|------------------------|----------------------|-------------------------------------------------------------------------------------------------|-------------|-------------------|----------------------------------------------------------------------|-----------|--|
| TOLERANCE                                                   |  | DRAWN<br>APPROVALS     | DATE                 | TITLE<br>MINI COOL EDGE 10<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |             |                   | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |           |  |
| X.<br>X.X        ±0.30<br>X.XX      ±0.20<br>X.XXX    ±0.10 |  | DESIGNED<br>JOAN LU    | 2024-10-30           |                                                                                                 |             |                   |                                                                      |           |  |
|                                                             |  | CHECKED<br>Sondra Sang | 2024-11-04           |                                                                                                 |             |                   |                                                                      |           |  |
| ANGULAR   ±2°                                               |  | APPROVED<br>Hank Hsu   | 2024-11-04           |                                                                                                 |             |                   |                                                                      |           |  |
| UNLESS OTHERWISE SPECIFIED                                  |  | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>T735 |            | UNIT<br>mm  | SIZE<br>A3        | PART No.<br>G97VXXXXXHR                                              |           |  |
|                                                             |  |                        |                      |                                                                                                 | SCALE<br>NA | SHEET<br>10 OF 12 | DWG No.<br>G97VXXXXXHR                                               | REV.<br>C |  |

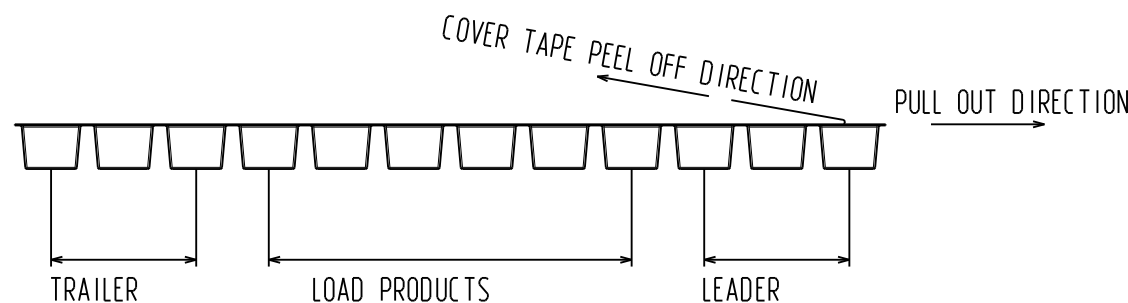
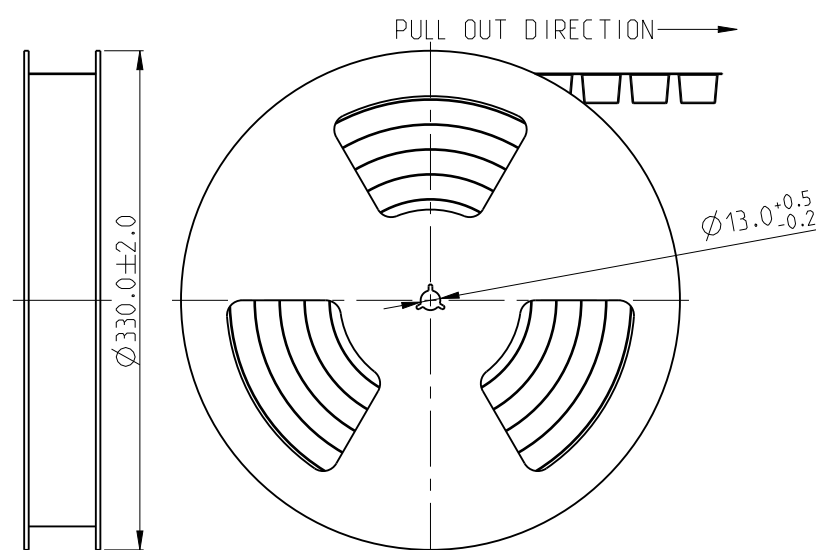
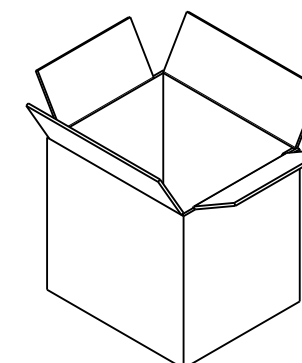
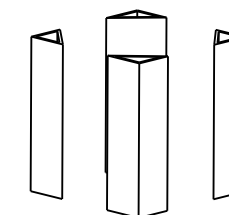
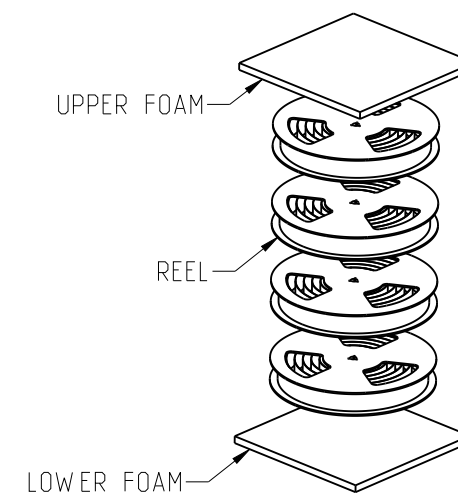
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



| REVISIONS |          |                                                            |            |         |
|-----------|----------|------------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                                | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                      | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                              | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION<br>IN PCB LAYOUT | 10/30/2024 | JOAN LU |



| PART NUMBER | POS. (N) | DIM. J | DIM. K    | DIM. L   | REEL (Q'TY) | CARTON (PCS) | UPPER FOAM | LOWER FOAM |
|-------------|----------|--------|-----------|----------|-------------|--------------|------------|------------|
| G97VX1XXXHR | 38       | (21.5) | 28.4±0.1  | 32.0±0.3 | 7           | 1400         | NO         | YES        |
| G97VX5XXXHR | 50       | (27.7) | 40.4±0.1  | 44.0±0.3 | 5           | 1000         | YES        | YES        |
| G97VX2XXXHR | 74       | (34.0) | 52.4±0.1  | 56.0±0.3 | 4           | 800          | YES        | YES        |
| G97VX4XXXHR | 124      | (39.5) | 68.40±0.1 | 72.0±0.3 | 3           | 600          | YES        | YES        |
| G97VX6XXXHR | 148      | (57.9) | 68.40±0.1 | 72.0±0.3 | 3           | 600          | YES        | YES        |



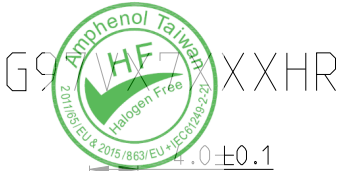
1. CARTON SIZE  
340L X 340W X265H
2. PREFER TO AMTA LABELING STANDARD.
3. CARTON CLOSURES MUST BE SEALS WITH TAPE.

NOTE 1 :  
1.MATERIAL:  
CARRIER TAPE: POLYSTYRENE, BLACK  
COVER TAPE: TRANSPARENT POLYSTYRENE  
REEL: POLYSTYRENE, BLACK  
2.ALL TAPE AND REEL SPECIFICATION FOLLOW EIA-481 STANDARD.  
3.THIS PRODUCT DOESN'T CONTAIN ENVIROMENTAL HAZARDOUS MATERIALS PER  
DERCTIVE 2011/65/EU & 2015/863/EU FOR RoHS AND PER IEC 61249-2-21 FOR  
HALOGEN FREE

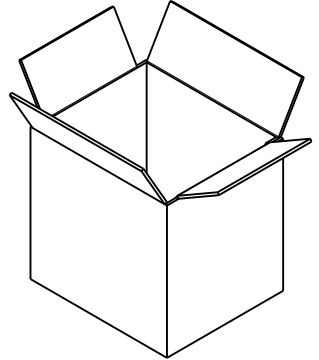
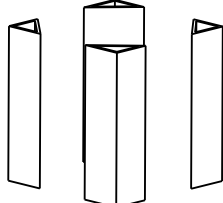
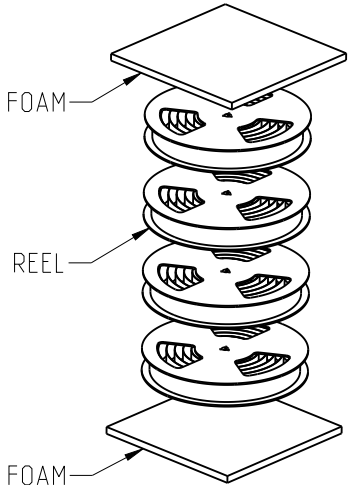
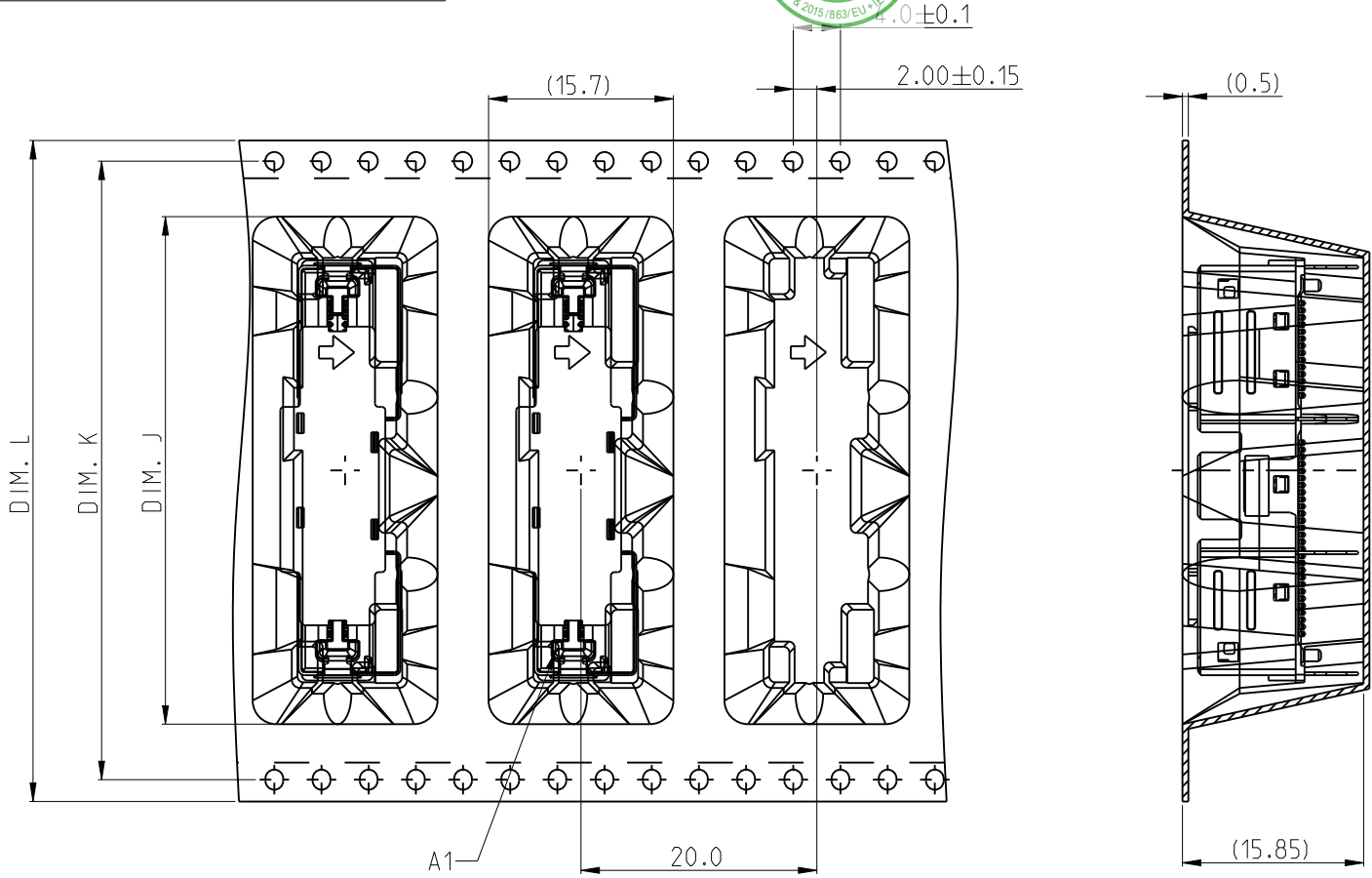
|                                                                 |  |                        |                      |                                                                                        |             |                   |                                                     |           |  |
|-----------------------------------------------------------------|--|------------------------|----------------------|----------------------------------------------------------------------------------------|-------------|-------------------|-----------------------------------------------------|-----------|--|
| TOLERANCE                                                       |  | DRAWN APPROVALS        | DATE                 | TITLE                                                                                  |             |                   | Amphenol®                                           |           |  |
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10<br><br>ANGULAR ±2° |  | DESIGNED<br>JOAN LU    | 2024-10-30           | MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |             |                   | Amphenol Corporation<br>Amphenol Taiwan Corporation |           |  |
|                                                                 |  | CHECKED<br>Sondra Sang | 2024-11-04           |                                                                                        |             |                   |                                                     |           |  |
|                                                                 |  | APPROVED<br>Hank Hsu   | 2024-11-04           |                                                                                        |             |                   |                                                     |           |  |
| UNLESS OTHERWISE SPECIFIED                                      |  | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>T735 |   | UNIT<br>mm  | SIZE<br>A3        | PART No.<br>G97VXXXXXXHR                            |           |  |
|                                                                 |  |                        |                      |                                                                                        | SCALE<br>NA | SHEET<br>11 OF 12 | DWG No.<br>G97VXXXXXXHR                             | REV.<br>C |  |

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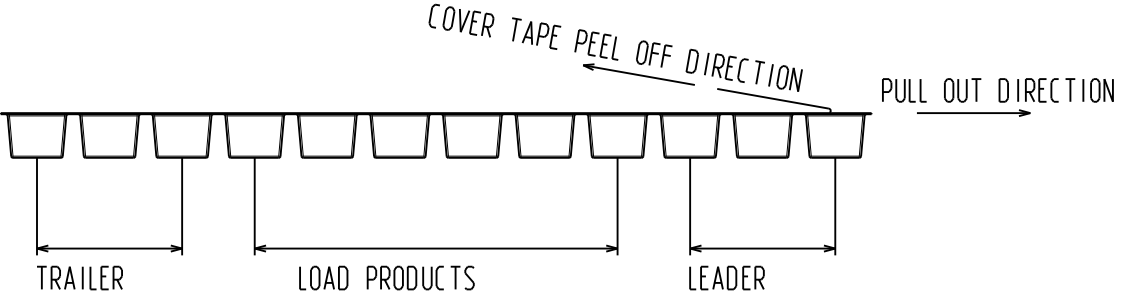
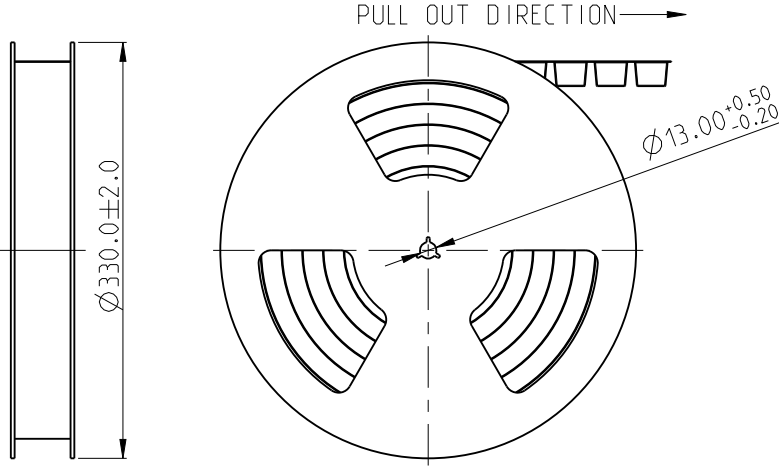
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



| REVISIONS |          |                                                         |            |         |
|-----------|----------|---------------------------------------------------------|------------|---------|
| SYM       | ECN No.  | DESCRIPTION                                             | DATE       | BY      |
| A         | NE-22083 | RELEASE TO PRODUCTION                                   | 11/01/2022 | JOAN LU |
| B         | NE-24014 | DATE CODE ADDED ONE MORE CODE                           | 01/18/2024 | JOAN LU |
| C         | NE-24244 | ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT | 10/30/2024 | JOAN LU |



| PART NUMBER | POS. (N) | DIM. J | DIM. K   | DIM. L   | REEL (Q'TY) | CARTON (PCS) |
|-------------|----------|--------|----------|----------|-------------|--------------|
| G97VX7XXXHR | 84       | (43)   | 52.4±0.1 | 56.0±0.3 | 4           | 800          |



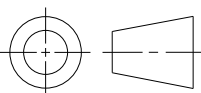
- NOTE 2:
- CARTON SIZE 340L X 340W X 240H
  - PREFER TO AMTA LABELING STANDARD.
  - CARTON CLOSURES MUST BE SEALED WITH TAPE.

NOTE 1 :

1.MATERIAL:  
CARRIER TAPE: POLYSTYRENE, BLACK  
COVER TAPE: TRANSPARENT POLYSTYRENE  
REEL: POLYSTYRENE, BLACK

2.ALL TAPE AND REEL SPECIFICATION FOLLOW EIA-481 STANDARD.

3.THIS PRODUCT DOESN'T CONTAIN ENVIROMENTAL HAZARDOUS MATERIALS PER DERCTIVE 2011/65/EU & 2015/863/EU FOR RoHS AND PER IEC 61249-2-21 FOR HALOGEN FREE.

|                                                             |  |          |             |              |                                                                                       |  |                                                                      |       |      |       |                                                                                        |              |              |
|-------------------------------------------------------------|--|----------|-------------|--------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|-------|------|-------|----------------------------------------------------------------------------------------|--------------|--------------|
| TOLERANCE                                                   |  | DRAWN    | APPROVALS   | DATE         | TITLE                                                                                 |  | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |       |      |       |                                                                                        |              |              |
| X.<br>X.X        ±0.30<br>X.XX      ±0.20<br>X.XXX    ±0.10 |  | DESIGNED | JOAN LU     | 2024-10-30   |                                                                                       |  |                                                                      |       |      |       | MINI COOL EDGE IO<br>INTEGRATED CONNECTOR<br>0.6 PITCH. VERTICAL<br>FOR PCIE. SMT TYPE |              |              |
|                                                             |  | CHECKED  | Sondra Sang | 2024-11-04   |                                                                                       |  |                                                                      |       |      |       |                                                                                        |              |              |
| ANGULAR    ±2°                                              |  | APPROVED | Hank Hsu    | 2024-11-04   |  |  | UNIT                                                                 | mm    | SIZE | A3    | PART No.                                                                               | G97VXXXXXXHR |              |
| UNLESS OTHERWISE SPECIFIED                                  |  | DWG TYPE | CUST DWG    | PROJECT CODE |                                                                                       |  | T735                                                                 | SCALE | NA   | SHEET | 12 OF 12                                                                               | DWG No.      | G97VXXXXXXHR |