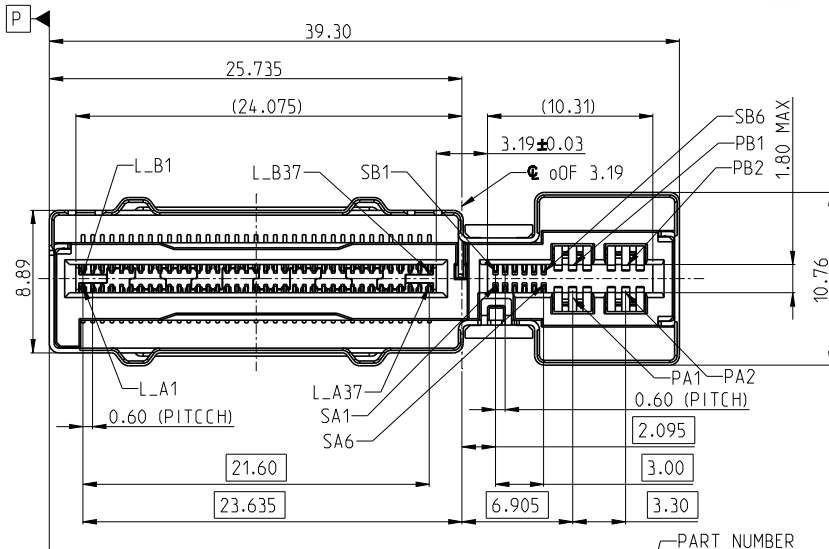


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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.

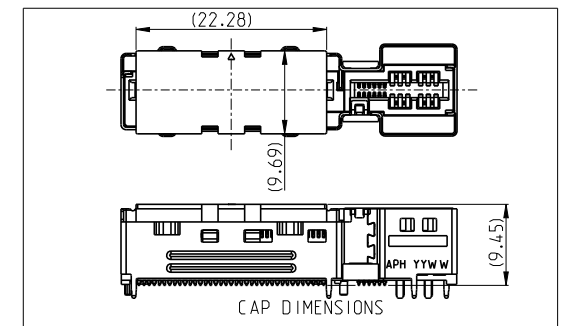
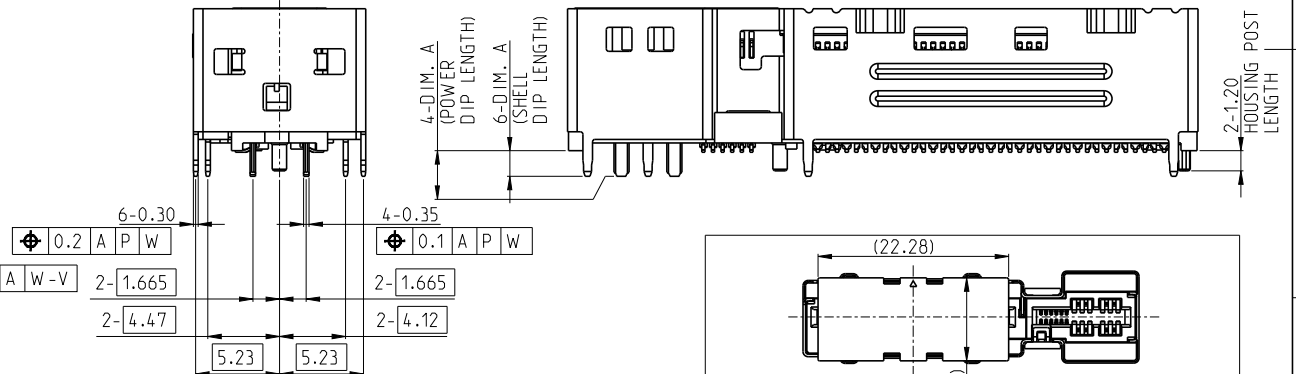
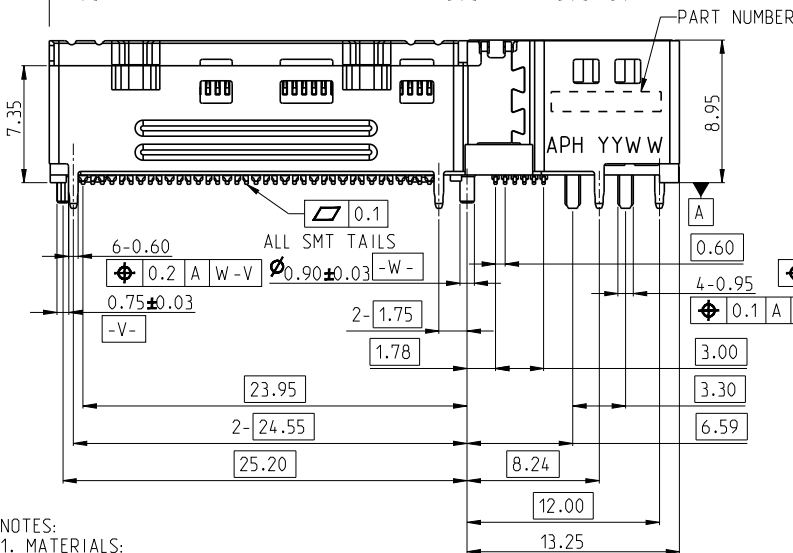


| REVISIONS |         |                  |                    |
|-----------|---------|------------------|--------------------|
| SYM       | ECN No. | DESCRIPTION      | DATE BY            |
| AX1       | NA      | INITIAL REVISION | 2024-08-07 JOAN LU |



MULTI-TRAK CONNECTOR  
VERTICAL TYPE  
CONNECTOR SPEED  
4: PCIE GEN 6  
CHANNEL  
3  
L-B1-L-B37  
L-A1-L-A37  
8X+20 SB  
SB1-SB6, PB1-PB2  
SA1-SA6, PA1-PA2  
12 SB+POWER  
CONTACT FINISH  
3: 30u" GOLD

COMPLIANT CODE  
HR: HALOGEN-FREE & RoHS  
VARIATION CODE  
BLANK: STANDARD  
PACKING CODE  
2: TAPE AND REEL(WITH CAP)  
DIP PIN LENGTH OPTION(DIM.A)  
1: 1.50mm  
2: 2.20mm  
3: 3.00mm  
4: 4.20mm



NOTES:  
1. MATERIALS:  
PLASTICS : HIGH TEMPERATURE THERMOPLASTIC UL94V-0,COLOR: BLACK  
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-07846.  
5.GROUND PINS ARE CONNECTED.

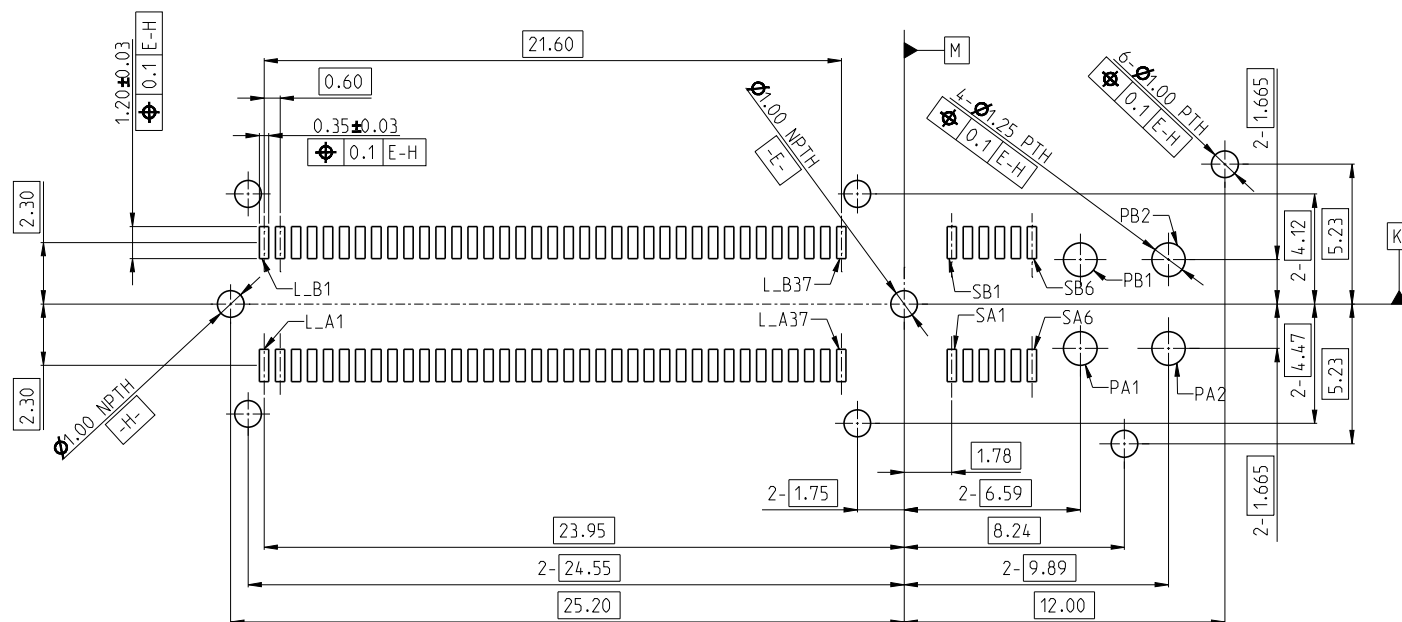
| TOLERANCE                   | DRAWN    | APPROVALS   | DATE         | TITLE                 |  | UNIT  |  | SIZE   |  | PART No.    |  |
|-----------------------------|----------|-------------|--------------|-----------------------|--|-------|--|--------|--|-------------|--|
| X.X                         | DESIGNED | JOAN LU     | 2024-08-07   | MULTI-TRAK™ CONNECTOR |  | mm    |  | A3     |  | G03V43XXXHR |  |
| X.X                         | CHECKED  | Sondra Sang | 2024-08-09   | VERTICAL, SMT TYPE    |  | SCALE |  | SHEET  |  | DWG No.     |  |
| X.XX                        | APPROVED | Hank Hsu    | 2024-08-09   |                       |  | NA    |  | 1 OF 5 |  | G03V43XXXHR |  |
| X.XXX                       | DWG TYPE | CUST DWG    | PROJECT CODE | T765                  |  |       |  |        |  | REV.        |  |
| ANGULAR                     |          |             |              |                       |  |       |  |        |  | AX1         |  |
| UNLESS OTHERW ISE SPECIFIED |          |             |              |                       |  |       |  |        |  |             |  |

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| REVISIONS |         |                  |            |         |
|-----------|---------|------------------|------------|---------|
| SYM       | ECN No. | DESCRIPTION      | DATE       | BY      |
| AX1       | NA      | INITIAL REVISION | 2024-08-07 | JOAN LU |

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



|                                              |                        |                      |                                                                                       |                                                      |                     |                      |                                                                  |  |  |
|----------------------------------------------|------------------------|----------------------|---------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|----------------------|------------------------------------------------------------------|--|--|
| TOLERANCE                                    | DRAWN APPROVALS        |                      | DATE                                                                                  | TITLE<br>MULTI-TRAK™ CONNECTOR<br>VERTICAL, 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<br>JOAN LU    | 2024-08-07           |                                                                                       |                                                      |                     |                      |                                                                  |  |  |
|                                              | CHECKED<br>Sondra Sang | 2024-08-09           |  |                                                      |                     | PART No. G03V43XXXHR |                                                                  |  |  |
| ANGULAR ±2°                                  | APPROVED<br>Hank Hsu   | 2024-08-09           |                                                                                       |                                                      |                     |                      |                                                                  |  |  |
| UNLESS OTHERWISE SPECIFIED                   | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>T765 | UNIT<br>mm                                                                            | SIZE<br>A3                                           | DWG No. G03V43XXXHR |                      |                                                                  |  |  |
|                                              |                        |                      | SCALE<br>NA                                                                           | SHEET<br>2 OF 5                                      | REV. AX1            |                      |                                                                  |  |  |

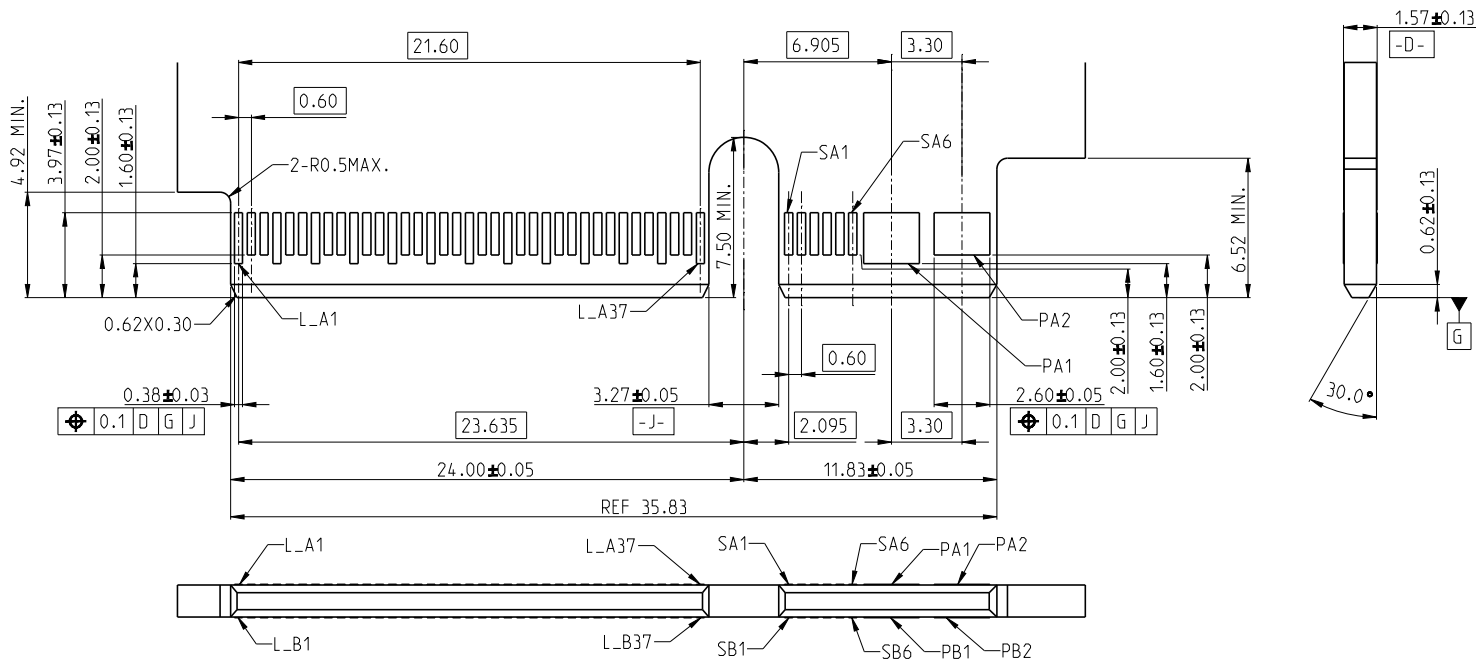
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| REVISIONS |         |                  |               |
|-----------|---------|------------------|---------------|
| SYM       | ECN No. | DESCRIPTION      | DATE          |
| AX1       | NA      | INITIAL REVISION | 2024-08-07    |
|           |         |                  | BY<br>JOAN LU |

RECOMMENDED AIC MATING CARD DIMENSIONS



NOTE: POSITION L\_A1 ON OPPOSITE SIDE OF CARD OF L\_B1

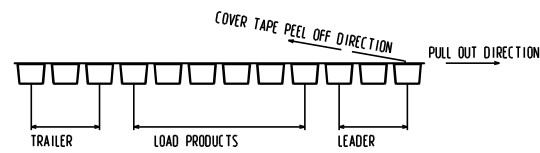
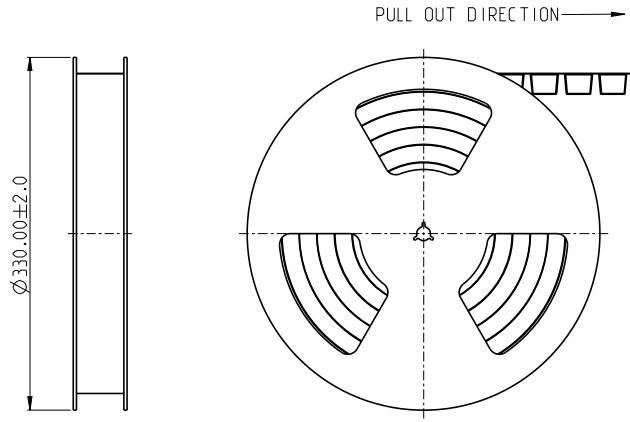
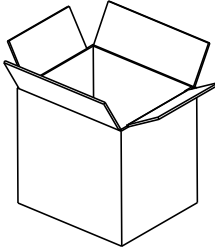
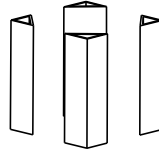
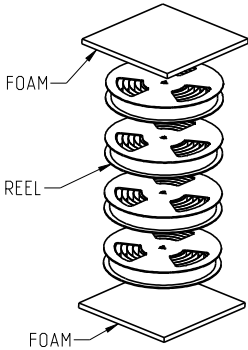
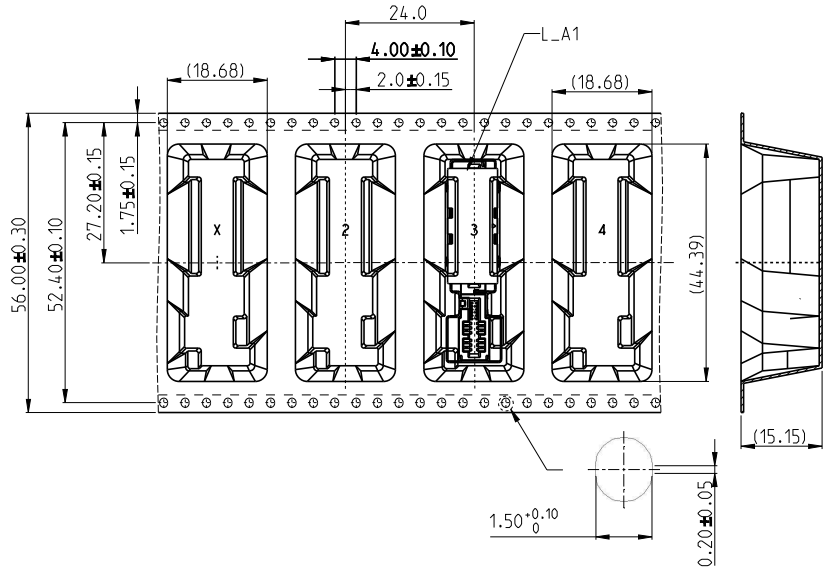
| TOLERANCE                                    |  | DRAWN APPROVALS        |  | DATE                 | TITLE                                                                                 |             |                 | <div>Amphenol®</div> <div>Amphenol Corporation<br/>Amphenol Taiwan Corporation</div> |             |  |
|----------------------------------------------|--|------------------------|--|----------------------|---------------------------------------------------------------------------------------|-------------|-----------------|--------------------------------------------------------------------------------------|-------------|--|
| X.<br>X.X ±0.30<br>X.XX ±0.20<br>X.XXX ±0.10 |  | DESIGNED<br>JOAN LU    |  | 2024-08-07           | MULTI-TRAK™ CONNECTOR                                                                 |             |                 |                                                                                      |             |  |
|                                              |  | CHECKED<br>Sondra Sang |  | 2024-08-09           | VERTICAL, SMT TYPE                                                                    |             |                 |                                                                                      |             |  |
| ANGULAR ±2°                                  |  | APPROVED<br>Hank Hsu   |  | 2024-08-09           |  | UNIT<br>mm  | SIZE<br>A3      | PART No.<br>G03V43XXXHR                                                              |             |  |
| UNLESS OTHERWISE SPECIFIED                   |  | DWG TYPE<br>CUST DWG   |  | PROJECT CODE<br>T765 |  | SCALE<br>NA | SHEET<br>3 OF 5 | DWG No.<br>G03V43XXXHR                                                               | REV.<br>AX1 |  |

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| REVISIONS |         |                  |            |
|-----------|---------|------------------|------------|
| SYM       | ECN No. | DESCRIPTION      | DATE       |
| AX1       | NA      | INITIAL REVISION | 2024-08-07 |
|           |         | BY               | JOAN LU    |



NOTE 2:

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

| PART NUMBER | PCS/REEL | REEL (Q'TY) | CARTON (PCS) |
|-------------|----------|-------------|--------------|
| G03VX3XX2HR | 160      | 4           | 640          |

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 ENVIRONMENTAL 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<br>X.XX<br>X.XXX | ±0.30<br>±0.20<br>±0.10 | DESIGNED<br>JOAN LU    | 2024-08-07 | MULTI-TRAK™ CONNECTOR |                 | Amphenol Corporation        |             |
| ANGULAR                    | ±2°                     | CHECKED<br>Sondra Sang | 2024-08-09 | VERTICAL, SMT TYPE    |                 | Amphenol Taiwan Corporation |             |
| UNLESS OTHERWISE SPECIFIED | DWG TYPE<br>CUST DWG    | APPROVED<br>Hank Hsu   | 2024-08-09 | UNIT<br>mm            | SIZE<br>A3      | PART No.                    | G03V43XXXHR |
|                            | PROJECT CODE<br>1765    |                        |            | SCALE<br>NA           | SHEET<br>4 OF 5 | DWG No.                     | G03V43XXXHR |
|                            |                         |                        |            |                       |                 | REV.                        | AX1         |

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| REVISIONS |         |                  |            |         |
|-----------|---------|------------------|------------|---------|
| SYM       | ECN No. | DESCRIPTION      | DATE       | BY      |
| AX1       | NA      | INITIAL REVISION | 2024-08-07 | JOAN LU |

| G03V43XXXHR PIN ASSIGNMENT |                |            |                |            |                |            |                |
|----------------------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| PIN NUMBER                 | PIN DEFINITION | PIN NUMBER | PIN DEFINITION | PIN NUMBER | PIN DEFINITION | PIN NUMBER | PIN DEFINITION |
| L_B1                       | GND            | L_A1       | GND            | SB1        | SIDEBAND       | SA1        | SIDEBAND       |
| L_B2                       | TX             | L_A2       | RX             | SB2        | SIDEBAND       | SA2        | SIDEBAND       |
| L_B3                       | TX             | L_A3       | RX             | SB3        | SIDEBAND       | SA3        | SIDEBAND       |
| L_B4                       | GND            | L_A4       | GND            | SB4        | SIDEBAND       | SA4        | SIDEBAND       |
| L_B5                       | TX             | L_A5       | RX             | SB5        | SIDEBAND       | SA5        | SIDEBAND       |
| L_B6                       | TX             | L_A6       | RX             | SB6        | SIDEBAND       | SA6        | SIDEBAND       |
| L_B7                       | GND            | L_A7       | GND            | PA1        | GND            | PB1        | GND            |
| L_B8                       | SIDEBAND       | L_A8       | SIDEBAND       | PA2        | 12V            | PB2        | 12V            |
| L_B9                       | SIDEBAND       | L_A9       | SIDEBAND       |            |                |            |                |
| L_B10                      | SIDEBAND       | L_A10      | SIDEBAND       |            |                |            |                |
| L_B11                      | SIDEBAND       | L_A11      | SIDEBAND       |            |                |            |                |
| L_B12                      | SIDEBAND       | L_A12      | SIDEBAND       |            |                |            |                |
| L_B13                      | GND            | L_A13      | GND            |            |                |            |                |
| L_B14                      | TX             | L_A14      | RX             |            |                |            |                |
| L_B15                      | TX             | L_A15      | RX             |            |                |            |                |
| L_B16                      | GND            | L_A16      | GND            |            |                |            |                |
| L_B17                      | TX             | L_A17      | RX             |            |                |            |                |
| L_B18                      | TX             | L_A18      | RX             |            |                |            |                |
| L_B19                      | GND            | L_A19      | GND            |            |                |            |                |
| L_B20                      | TX             | L_A20      | RX             |            |                |            |                |
| L_B21                      | TX             | L_A21      | RX             |            |                |            |                |
| L_B22                      | GND            | L_A22      | GND            |            |                |            |                |
| L_B23                      | TX             | L_A23      | RX             |            |                |            |                |
| L_B24                      | TX             | L_A24      | RX             |            |                |            |                |
| L_B25                      | GND            | L_A25      | GND            |            |                |            |                |
| L_B26                      | SIDEBAND       | L_A26      | SIDEBAND       |            |                |            |                |
| L_B27                      | SIDEBAND       | L_A27      | SIDEBAND       |            |                |            |                |
| L_B28                      | SIDEBAND       | L_A28      | SIDEBAND       |            |                |            |                |
| L_B29                      | SIDEBAND       | L_A29      | SIDEBAND       |            |                |            |                |
| L_B30                      | SIDEBAND       | L_A30      | SIDEBAND       |            |                |            |                |
| L_B31                      | GND            | L_A31      | GND            |            |                |            |                |
| L_B32                      | TX             | L_A32      | RX             |            |                |            |                |
| L_B33                      | TX             | L_A33      | RX             |            |                |            |                |
| L_B34                      | GND            | L_A34      | GND            |            |                |            |                |
| L_B35                      | TX             | L_A35      | RX             |            |                |            |                |
| L_B36                      | TX             | L_A36      | RX             |            |                |            |                |
| L_B37                      | GND            | L_A37      | GND            |            |                |            |                |

| TOLERANCE                  |       | DRAWN APPROVALS |             | DATE         | TITLE                                                                                 |      |       | Amphenol®<br><br>Amphenol Corporation<br>Amphenol Taiwan Corporation |       |          |             |             |      |
|----------------------------|-------|-----------------|-------------|--------------|---------------------------------------------------------------------------------------|------|-------|----------------------------------------------------------------------|-------|----------|-------------|-------------|------|
| X.                         |       | DESIGNED        | JOAN LU     | 2024-08-07   |                                                                                       |      |       |                                                                      |       |          |             |             |      |
| X.X                        | ±0.30 | CHECKED         | Sondra Sang | 2024-08-09   | MULTI-TRAK™ CONNECTOR<br><br>VERTICAL, SMT TYPE                                       |      |       |                                                                      |       |          |             |             |      |
| X.XX                       | ±0.20 |                 |             |              |                                                                                       |      |       |                                                                      |       |          |             |             |      |
| X.XXX                      | ±0.10 | APPROVED        | Hank Hsu    | 2024-08-09   |  | UNIT | mm    | SIZE                                                                 | A3    | PART No. | G03V43XXXHR |             |      |
| ANGULAR                    | ±2°   | DWG TYPE        | CUST DWG    | PROJECT CODE |                                                                                       | T765 | SCALE | NA                                                                   | SHEET | 5 OF 5   | DWG No.     | G03V43XXXHR | REV. |
| UNLESS OTHERWISE SPECIFIED |       |                 |             |              |                                                                                       |      |       |                                                                      |       |          |             |             |      |