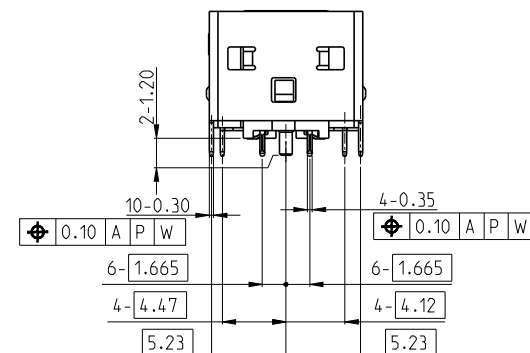
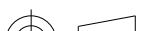
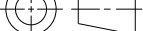


Diagram illustrating the pin configuration and options for a 30-pin connector. The pins are numbered 1 through 30, with specific options assigned to certain pins:

- MULTI-TRAK CONNECTOR:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- VERTICAL TYPE:** Pin 1.
- CONNECTOR SPEED:** Pin 2.
- 4: PCIE GEN 6:** Pin 3.
- CHANNEL:** Pins 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 6:** Pin 1.
- U_B1-U_B37:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- L_B1-L_B37:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- S_B1-S_B6, PB1-PB2:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- SA1-SA6, PA1-PA2:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 8X*20 SB:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 12 SB-POWER:** Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- CONTACT FINISH:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 3: 30u" GOLD:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- COMPLIANT CODE:** Pin 1.
- HR: HALOGEN-FREE & RoHS:** Pin 2.
- VARIATION CODE:** Pin 3.
- BLANK: STANDARD:** Pin 4.
- PACKING CODE:** Pin 5.
- 4: HARD TRAY:** Pin 6.
- DIP PIN LENGTH OPTION (DIM.A):** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 2: 2.20mm:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 3: 3.00mm:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 4: 4.20mm:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- 6: SHELL PIN LENGTH:3.0mm:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
- PWR PIN LENGTH:3.7mm:** Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.



- 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" MIN.
UNDER PLATING: NICKEL PLATING 50u"MIN OVER ALL
SHELL : UNDER PLATING: ELECTROLESS NICKEL PLATING 50u"MIN OVER ALL
- 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.
4. GND PINS ARE CONNECTED.

TOLERANCE	DRAWN APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED JOAN LU	2025-02-13	MULTI-TRAK™ CONNECTOR VERTICAL, SMT TYPE					
	CHECKED Sondra Sang	2025-02-13						
ANGULAR ±2°	APPROVED Hank Hsu	2025-02-13		UNIT mm	SIZE A3	PART No. G03V46XXXXHR		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE T765		SCALE NA	SHEET 1 OF 5	DWG No. G03V46XXXXHR		REV. AX1



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL REVISION	2025-02-13	JOAN LU

The technical drawing illustrates a mechanical component with two primary views: a front view (top) and a side view (bottom).

Front View (Top):

- Overall Dimensions:** Total width is 21.60 mm (0.85 inch), total height is 2.30 mm (0.09 inch).
- Features:** Includes features labeled U_B1, U_B37, L_B1, L_B74, SA1, SA6, PB1, SB6, PB2, PA1, and PA2.
- Holes:** Specified holes include 160-0.35, 0.10 E-H, 0.10 NPTH -E-, 10-Ø1.00 PTH 0.10 E-H, and Ø1.25 PTH 0.05 E-H.
- Dimensions:** Key dimensions include 0.60, 160-0.35, 0.10, 0.10, 2.30, 21.60, 0.85, 1.78, 3.00, 2-2.65, 2-5.30, 2-14.14, 2-16.09, 51.25, 51.85, 52.50, 23.95, 2-24.55, 2-29.05, 6-1.665, 4-4.12, 5.23, and 5.23.

Side View (Bottom):

- Overall Dimensions:** Total width is 21.60 mm (0.85 inch), total height is 2.30 mm (0.09 inch).
- Features:** Includes features labeled L_A1, L_A74, SA1, SA6, PB1, SB6, PB2, PA1, and PA2.
- Holes:** Specified holes include 160-0.35, 0.10 E-H, 0.10 NPTH -E-, 10-Ø1.00 PTH 0.10 E-H, and Ø1.25 PTH 0.05 E-H.
- Dimensions:** Key dimensions include 0.60, 160-0.35, 0.10, 0.10, 2.30, 21.60, 0.85, 1.78, 3.00, 2-2.65, 2-5.30, 2-14.14, 2-16.09, 51.25, 51.85, 52.50, 23.95, 2-24.55, 2-29.05, 6-1.665, 4-4.12, 5.23, and 5.23.

TOLERANCE	DRAWN APPROVALS		DATE	MULTI-TRAK™ CONNECTOR VERTICAL, SMT TYPE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED JOAN LU	2025-02-13							
	CHECKED Sondra Sang	2025-02-13							
	APPROVED Hank Hsu	2025-02-13							
ANGULAR ±2°	DWG TYPE CUST DWG	PROJECT CODE T765		UNIT mm	SIZE A3	PART No. G03V46XXXXHR			
UNLESS OTHERWISE SPECIFIED				SCALE NA	SHEET 2 OF 5	DWG No. G03V46XXXXHR	REV. AX1		

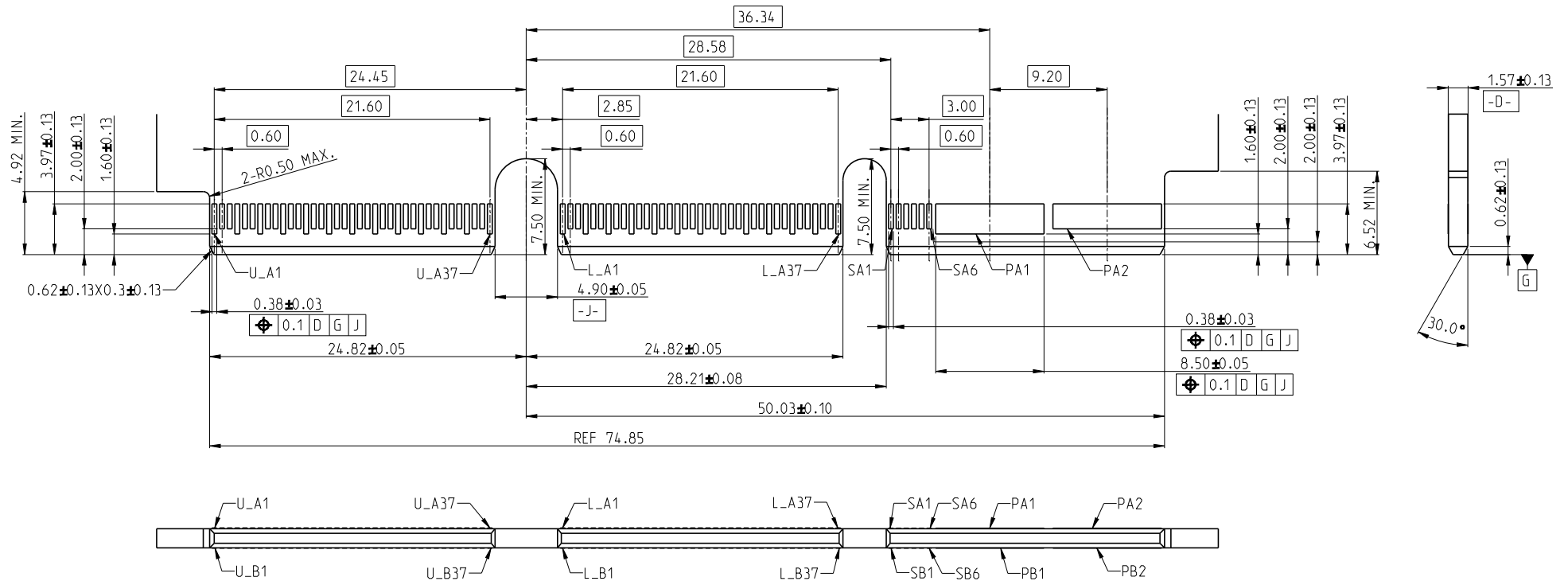
This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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	2025-02-13	JOAN LU

RECOMMENDED AIC DIMENSIONS
(GENERAL TOLERANCES :+/-0.05)



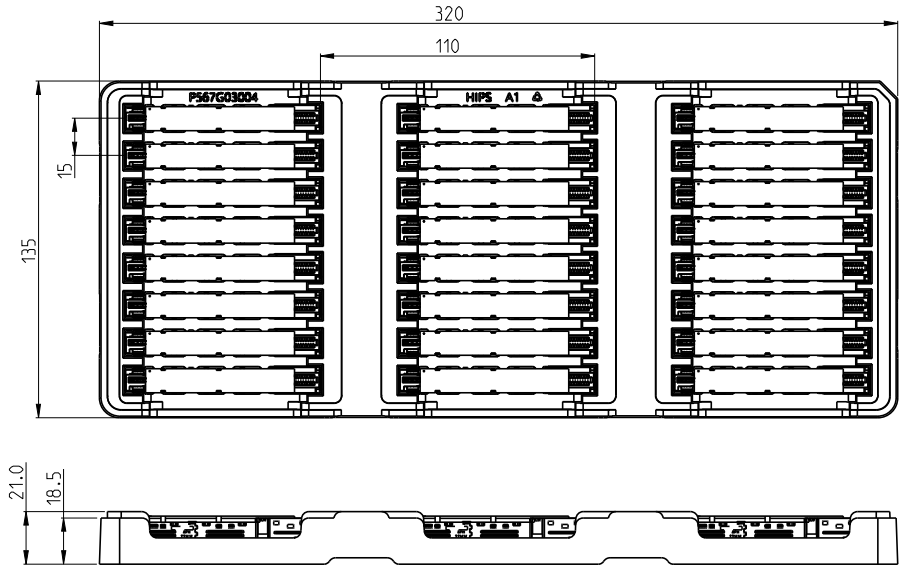
TOLERANCE	DRAWN APPROVALS		DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED	JOAN LU	2025-02-13	MULTI-TRAK™ CONNECTOR					
	CHECKED	Sondra Sang	2025-02-13	VERTICAL, SMT TYPE					
	APPROVED	Hank Hsu	2025-02-13						
ANGULAR ±2°					UNIT mm	SIZE A3	PART No.	G03V46XXXXHR	
UNLESS OTHERWISE SPECIFIED	DWG TYPE	CUST DWG	PROJECT CODE	T765	SCALE NA	SHEET 3 OF 5	DWG No.	G03V46XXXXHR	REV. AX1

This document is the property of Amphenol Corporation and is delivered on the express condition that is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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.

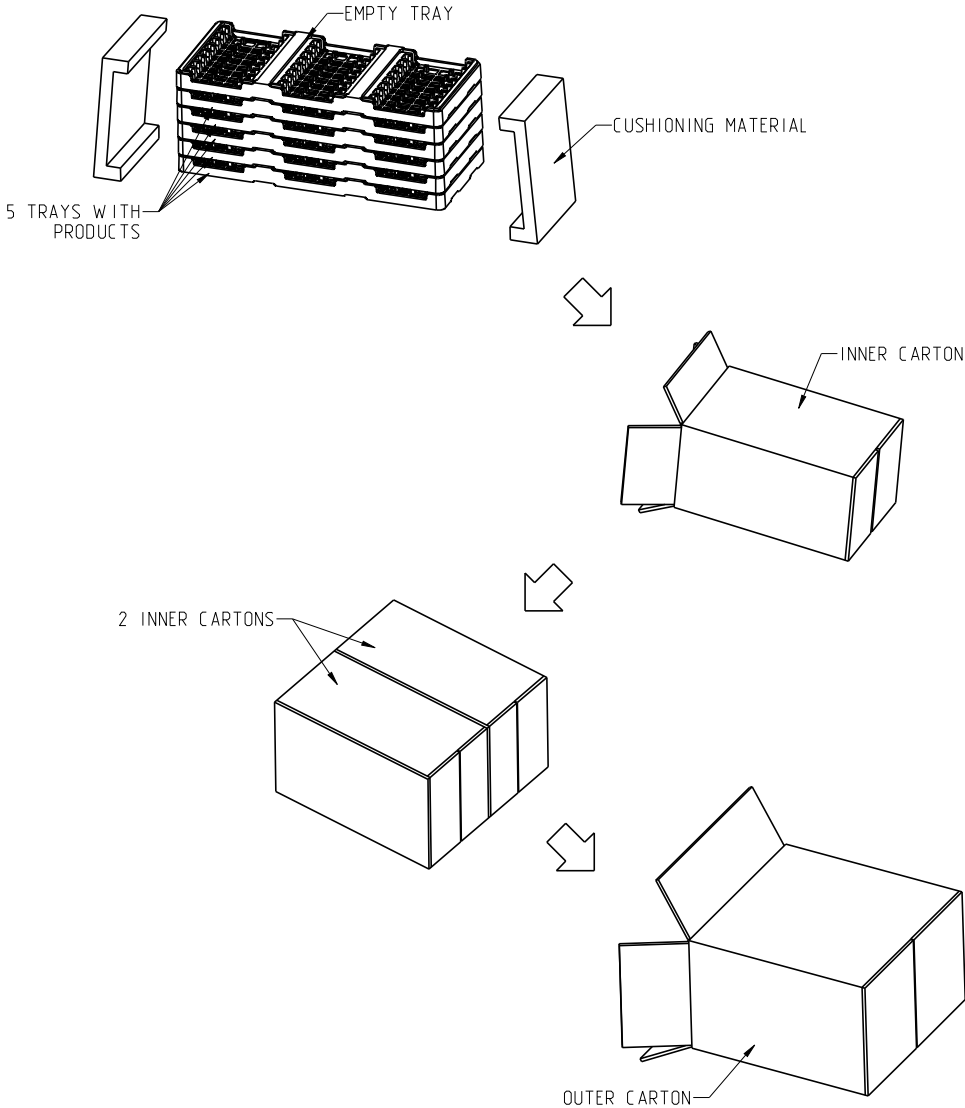


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL REVISION	2025-02-13	JOAN LU



PART NUMBER	PRODUCT / TRAY	TRAY / INNER CARTON	INNER CARTON / OUTER CARTO	PRODUCT / OUTER CARTON
G03V46XX4XHR	24 PCS	5	2	240 PCS

1. MATERIAL: HARD TRAY: HIPS
CUSHIONING MATERIAL: PET
2. 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.
3. INNER CARTON SIZE: 210L X 350W X 175H
OUTER CARTON SIZE: 225L X 365W X 370H
4. REFER TO AMTA LABELING STANDARD
5. CARTON CLOSURES MUST BE SEALED WITH TAPE.



TOLERANCE		DRAWN	APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation							
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGULAR ±2° UNLESS OTHERWISE SPECIFIED		DESIGNED	JOAN LU	2024-02-13	MULTI-TRAK™ CONNECTOR										
		CHECKED	Sondra Sang	2025-02-13	VERTICAL, SMT TYPE										
		APPROVED	Hank Hsu	2025-02-13		UNIT	mm				SIZE	A3			
DWG TYPE		CUST DWG		PROJECT CODE	TXXX	SCALE	NA	SHEET	4 OF 5	PART No.	G03V46XXXXHR	DWG No.	G03V46XXXXHR	REV.	AX1

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.

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	2021-01-27	Sondra Sang

G03V46XXXXHR PIN ASSIGNMENT											
PIN NUMBER	PIN DEFINITION	PIN NUMBER	PIN DEFINITION	PIN NUMBER	PIN DEFINITION	PIN NUMBER	PIN DEFINITION	PIN NUMBER	PIN DEFINITION	PIN NUMBER	PIN DEFINITION
U_B1	GND	U_A1	GND	L_B1	GND	L_A1	GND	SB1	SIDEBAND	SA1	SIDEBAND
U_B2	TX	U_A2	RX	L_B2	TX	L_A2	RX	SB2	SIDEBAND	SA2	SIDEBAND
U_B3	TX	U_A3	RX	L_B3	TX	L_A3	RX	SB3	SIDEBAND	SA3	SIDEBAND
U_B4	GND	U_A4	GND	L_B4	GND	L_A4	GND	SB4	SIDEBAND	SA4	SIDEBAND
U_B5	TX	U_A5	RX	L_B5	TX	L_A5	RX	SB5	SIDEBAND	SA5	SIDEBAND
U_B6	TX	U_A6	RX	L_B6	TX	L_A6	RX	SB6	SIDEBAND	SA6	SIDEBAND
U_B7	GND	U_A7	GND	L_B7	GND	L_A7	GND	PA1	GND	PB1	GND
U_B8	SIDEBAND	U_A8	SIDEBAND	L_B8	SIDEBAND	L_A8	SIDEBAND	PA2	12V	PB2	12V
U_B9	SIDEBAND	U_A9	SIDEBAND	L_B9	SIDEBAND	L_A9	SIDEBAND				
U_B10	SIDEBAND	U_A10	SIDEBAND	L_B10	SIDEBAND	L_A10	SIDEBAND				
U_B11	SIDEBAND	U_A11	SIDEBAND	L_B11	SIDEBAND	L_A11	SIDEBAND				
U_B12	SIDEBAND	U_A12	SIDEBAND	L_B12	SIDEBAND	L_A12	SIDEBAND				
U_B13	GND	U_A13	GND	L_B13	GND	L_A13	GND				
U_B14	TX	U_A14	RX	L_B14	TX	L_A14	RX				
U_B15	TX	U_A15	RX	L_B15	TX	L_A15	RX				
U_B16	GND	U_A16	GND	L_B16	GND	L_A16	GND				
U_B17	TX	U_A17	RX	L_B17	TX	L_A17	RX				
U_B18	TX	U_A18	RX	L_B18	TX	L_A18	RX				
U_B19	GND	U_A19	GND	L_B19	GND	L_A19	GND				
U_B20	TX	U_A20	RX	L_B20	TX	L_A20	RX				
U_B21	TX	U_A21	RX	L_B21	TX	L_A21	RX				
U_B22	GND	U_A22	GND	L_B22	GND	L_A22	GND				
U_B23	TX	U_A23	RX	L_B23	TX	L_A23	RX				
U_B24	TX	U_A24	RX	L_B24	TX	L_A24	RX				
U_B25	GND	U_A25	GND	L_B25	GND	L_A25	GND				
U_B26	SIDEBAND	U_A26	SIDEBAND	L_B26	SIDEBAND	L_A26	SIDEBAND				
U_B27	SIDEBAND	U_A27	SIDEBAND	L_B27	SIDEBAND	L_A27	SIDEBAND				
U_B28	SIDEBAND	U_A28	SIDEBAND	L_B28	SIDEBAND	L_A28	SIDEBAND				
U_B29	SIDEBAND	U_A29	SIDEBAND	L_B29	SIDEBAND	L_A29	SIDEBAND				
U_B30	SIDEBAND	U_A30	SIDEBAND	L_B30	SIDEBAND	L_A30	SIDEBAND				
U_B31	GND	U_A31	GND	L_B31	GND	L_A31	GND				
U_B32	TX	U_A32	RX	L_B32	TX	L_A32	RX				
U_B33	TX	U_A33	RX	L_B33	TX	L_A33	RX				
U_B34	GND	U_A34	GND	L_B34	GND	L_A34	GND				
U_B35	TX	U_A35	RX	L_B35	TX	L_A35	RX				
U_B36	TX	U_A36	RX	L_B36	TX	L_A36	RX				
U_B37	GND	U_A37	GND	L_B37	GND	L_A37	GND				

TOLERANCE	DRAWN APPROVALS	DATE	TITLE		Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. ±0.30 X.X ±0.20 X.XXX ±0.10	DESIGNED JOAN LU	2025-02-13						
	CHECKED Sondra Sang	2025-02-13	MULTI-TRAK™ CONNECTOR VERTICAL, SMT TYPE		PART No. G03V46XXXXHR			
ANGULAR ±2°	APPROVED Hank Hsu	2025-02-13		UNIT mm	SIZE A3			
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE TXXX		SCALE NA	SHEET 5 OF 5	DWG No. G03V46XXXXHR	REV. AX1	