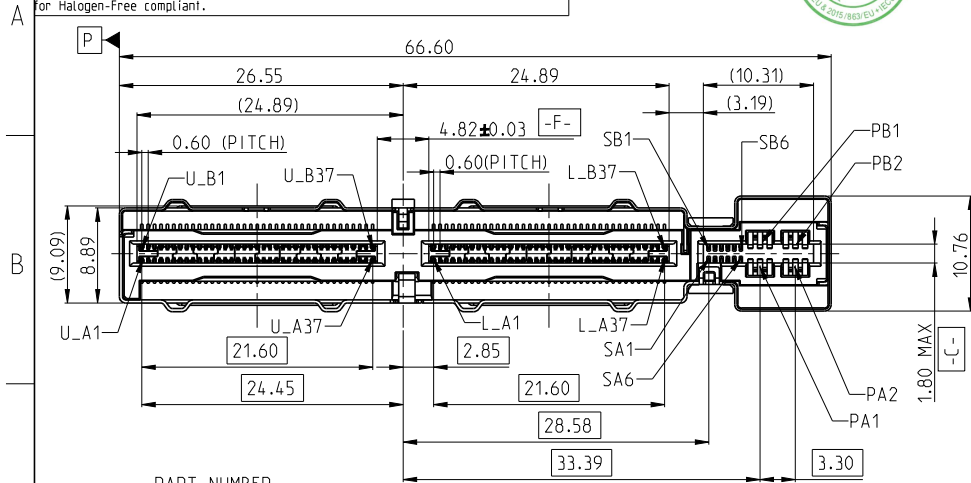


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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE BY
AX1	NA	INITIAL VERSION	2024-08-15 JOAN LU



MULTI-TRAK CONNECTOR
VERTICAL TYPE
CONNECTOR SPEED
4 : PCIE GEN 6
CHANNEL
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.
SEE TABLE 1)
1: 1.50mm
2: 2.20mm
3: 3.00mm
4: 4.20mm

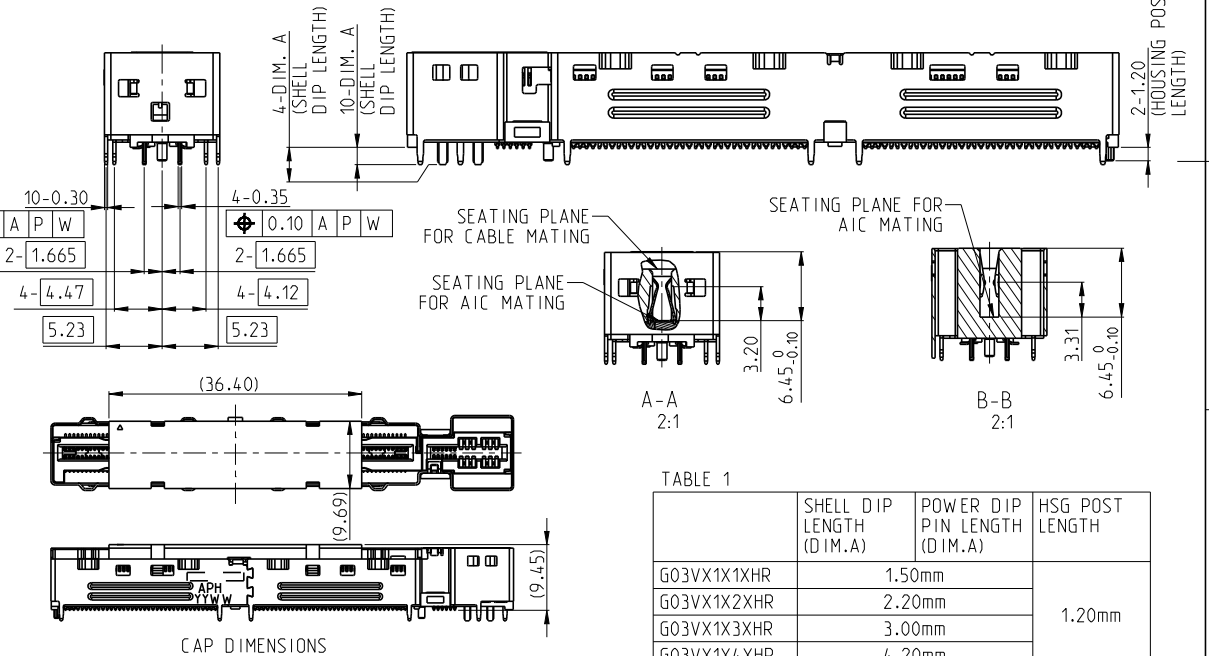
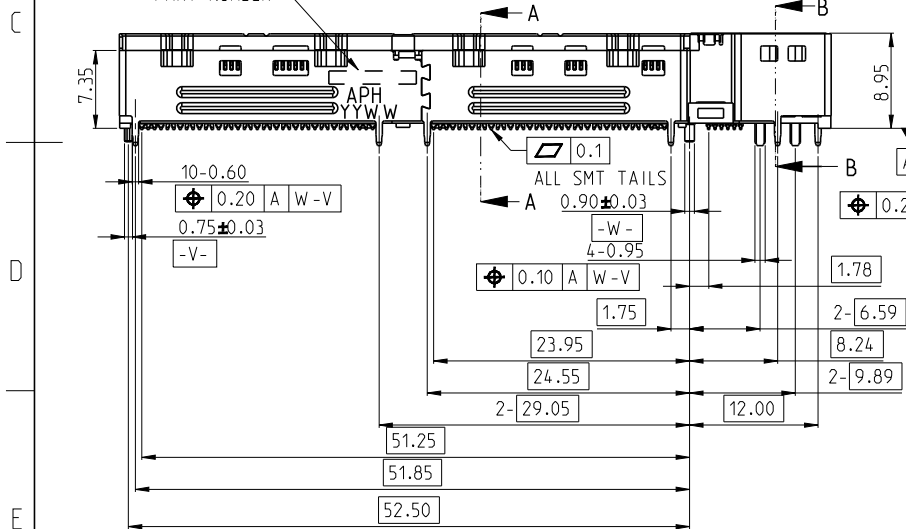


TABLE 1

	SHELL DIP LENGTH (DIM.A)	POWER DIP PIN LENGTH (DIM.A)	HSG POST LENGTH
G03VX1X1XHR	1.50mm		1.20mm
G03VX1X2XHR	2.20mm		
G03VX1X3XHR	3.00mm		
G03VX1X4XHR	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" 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.PRODUCT SPEC REFER TO PS-07846.
5.GND PINS ARE CONNECTED.

TOLERANCE	DRAWN	APPROVALS	DATE	TITLE		UNIT		SIZE	PART No.	
X. ±0.30	DESIGNED	JOAN LU	2024-08-05	MULTI-TRAK™ CONNECTOR		mm		A3	G03V41XXXHR	
X.X ±0.20	CHECKED	Sondra Sang	2024-08-16	VERTICAL, SMT TYPE		SCALE		SHEET	DWG No.	
X.XX ±0.10	APPROVED	Hank Hsu	2024-08-16			NA		1 OF 6	G03V41XXXHR	
ANGULAR ±2°	DWG TYPE	CUST DWG	PROJECT CODE						REV.	
UNLESS OTHERWISE SPECIFIED			1765						AX1	



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL VERSION	2024-08-15	JOAN LU

[illegible]

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		2024-08-05		MULTI-TRAK™ CONNECTOR							
		CHECKED Sondra Sang		2024-08-16		VERTICAL, SMT TYPE							
ANGULAR ±2°		APPROVED Hank Hsu		2024-08-16				UNIT mm	SIZE A3	PART No. G03V41XXXHR			
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE T765				SCALE NA	SHEET 2 OF 6	DWG No. G03V41XXXHR		REV. AX1	



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL VERSION	2024-08-15	JOAN LU

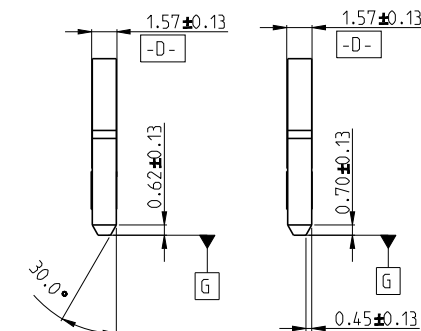
Technical drawing showing a side view of a mechanical assembly. The drawing includes various components and dimensions:

- Dimensions:**
 - Overall length: 21.60
 - Distance from left end to center of U_B1: 0.60
 - Distance from left end to center of U_A1: 2.30
 - Distance from left end to center of U_B37: 160-1.20
 - Distance from left end to center of U_A37: 2.30
 - Distance from left end to center of L_B1: 21.60
 - Distance from left end to center of L_A1: 23.95
 - Distance from left end to center of L_B37: 0.60
 - Distance from left end to center of L_A37: 2-24.55
 - Distance from left end to center of SA1: 2-29.05
 - Distance from left end to center of SA6: 51.25
 - Distance from left end to center of PA1: 2-51.85
 - Distance from left end to center of PA2: 52.50
 - Distance from left end to center of PB1: 2-6.59
 - Distance from left end to center of PB2: 8.24
 - Distance from left end to center of M: 12.00
 - Distance from left end to center of 4-1.75 PTH: 2-9.89
 - Distance from left end to center of 4-0.70 PTH: 2-1.665
 - Distance from left end to center of 10-1.35 PTH: 4-4.47
 - Distance from left end to center of 10-0.65 PTH: 4-4.12
 - Distance from left end to center of 4-0.10 E-H: 2-1.665
 - Distance from left end to center of 10-0.10 E-H: 4-4.12
- Components:**
 - U_B1, U_A1, U_B37, U_A37 (Upper and Lower Bushes)
 - L_B1, L_A1, L_B37, L_A37 (Lower Bushes)
 - SA1, SA6 (Shaft Alignment)
 - PA1, PA2 (Pin Alignment)
 - PB1, PB2 (Pin Bushes)
 - M (Main Shaft)
 - 4-1.75 PTH, 4-0.70 PTH, 10-1.35 PTH, 10-0.65 PTH (Pin Holes)
 - 4-0.10 E-H, 10-0.10 E-H (Pin Holes)
- Notes:**
 - Ø1.00 NPTH -E- (Pin Hole)
 - Ø1.00 NPTH -H- (Pin Hole)

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		2024-08-05		MULTI-TRAK™ CONNECTOR									
		CHECKED Sondra Sang		2024-08-16		VERTICAL, SMT TYPE									
		APPROVED Hank Hsu		2024-08-16											
ANGULAR ±2°						UNIT mm		SIZE A3							
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE TXXX		SCALE NA		SHEET 3 OF 6		PART No. G03V41XXXHR		DWG No. G03V41XXXHR		REV. AX1	

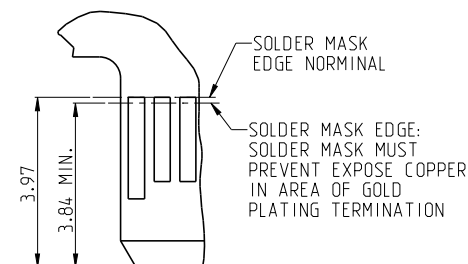


The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



OPTION 1
(PREFERENCE)

OPTION 2



DETAIL Q

NOTE: POSITION A1 ON OPPOSITE SIDE OF CARD OF B1

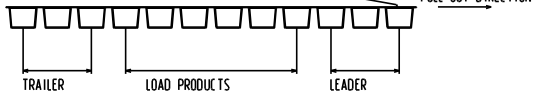
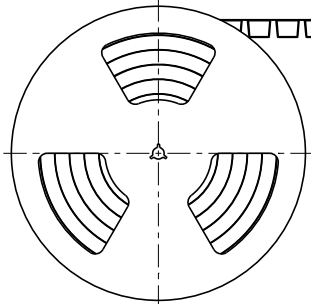
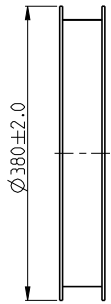
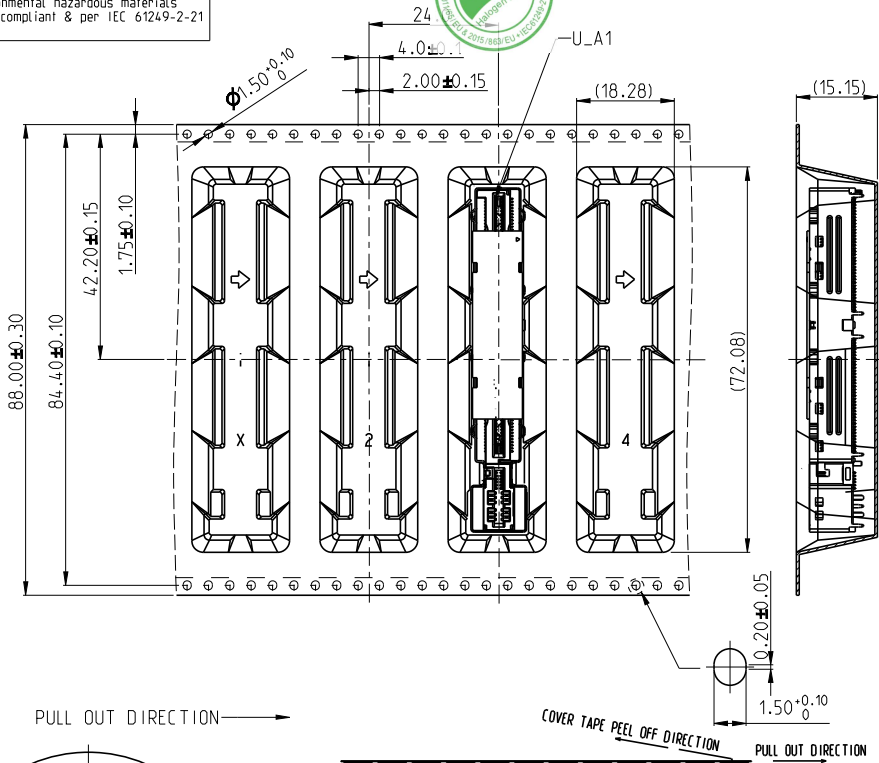
TOLERANCE		DRAWN APPROVALS		DATE		MULTI-TRAK™ CONNECTOR				Amphenol® Amphenol Corporation Amphenol Taiwan Corporation							
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED JOAN LU		2024-08-05										VERTICAL, SMT TYPE			
		CHECKED Sondra Sang		2024-08-16													
		APPROVED Hank Hsu		2024-08-16				UNIT mm						SIZE A3		PART No. G03V41XXXHR	
ANGULAR ±2°								SCALE NA						SHEET 4 OF 6		DWG No. G03V41XXXHR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE T765													

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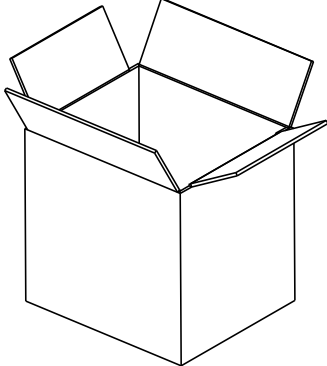
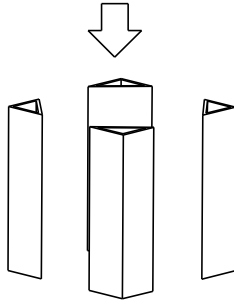
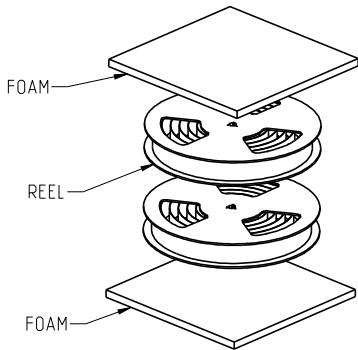


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL VERSION	2024-08-15	JOAN LU



- NOTE 2:
1. CARTON SIZE
390L X 390W X205H
 2. REFER TO AMTA LABELING STANDARD.
 3. CARTON CLOSURES MUST BE SEALED WITH TAPE.

PART NUMBER	PCS/REEL	REEL/CARTON	CARTON (PCS)
G03VX1XX2HR	230	2	460



- 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		UNIT		SIZE	PART No.	
X. X.X X.XX X.XXX	±0.30 ±0.20 ±0.10	DESIGNED JOAN LU	2024-08-05	MULTI-TRAK™ CONNECTOR		mm		A3	G03V41XXXHR	
ANGULAR	±2°	CHECKED Sondra Sang	2024-08-16	VERTICAL, SMT TYPE		SCALE		NA	G03V41XXXHR	
UNLESS OTHERWISE SPECIFIED		APPROVED Hank Hsu	2024-08-16	DWG TYPE CUST DWG		PROJECT CODE 1765		SHEET 5 OF 6	REV. AX1	

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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	NA	INITIAL VERSION	2024-08-15	JOAN LU

G03V41XXXHR 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. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED JOAN LU	2024-08-05						
	CHECKED Sondra Sang	2024-08-16	MULTI-TRAK™ CONNECTOR		VERTICAL, SMT TYPE			
	APPROVED Hank Hsu	2024-08-16						
ANGULAR ±2°	DWG TYPE CUST DWG	PROJECT CODE TXXX			UNIT mm	SIZE A3	PART No. G03V41XXXHR	
UNLESS OTHERWISE SPECIFIED					SCALE NA	SHEET 6 OF 6	DWG No. G03V41XXXHR	REV. AX1