

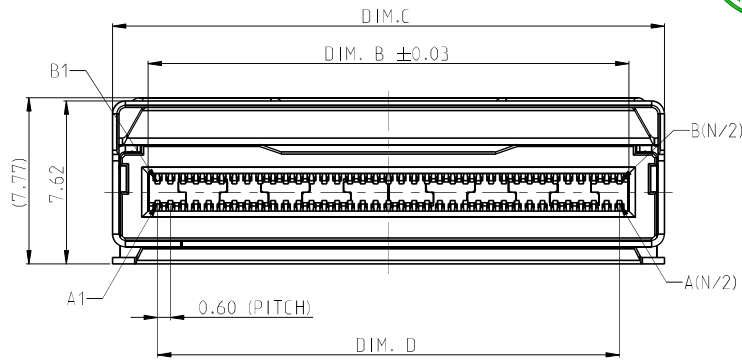
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ORIGINAL

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
C	NE-24244	ADDED SHELL PIN LENGTH CODE 5 INFORMATION IN PCB LAYOUT	10/30/2024	JOAN LU
D	NE-25068	CORRECT PCB KEEPOUT ZONE	03/18/2025	JOAN LU
E	NE-25287	CORRECT PACKAGE DRAWINGS	10/29/2025	JOAN LU



- G97 V 2 X X X X X HR
- MINI COOL EDGE 10 INTEGRATED CONNECTOR
- VERTICAL TYPE
- CONNECTOR SPEED  
2 : PCIE GEN 5
- CHANNEL/PIN QTY  
1: 38P(4X+SIDE BAND OR 6X)  
2: 74P(8X+SIDE BAND OR 12X)  
4: 124P(16X+SIDE BAND OR 20X)  
5: 50P(6X+SIDE BAND OR 8X)  
6: 148P(20X+SIDE BAND OR 24X)  
7: 84P(8X+SIDE BAND OR 13X+SIDE BAND)
- CONTACT FINISH  
2: 15u" GOLD  
3: 30u" GOLD
- 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 G97VX7XXX4HR 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(G97VX7XXX4HR ONLY)



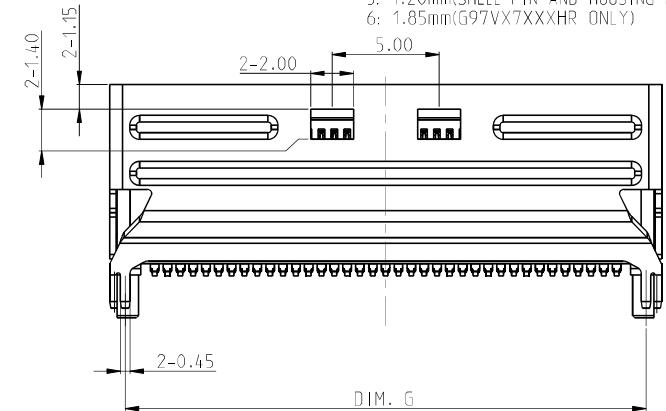
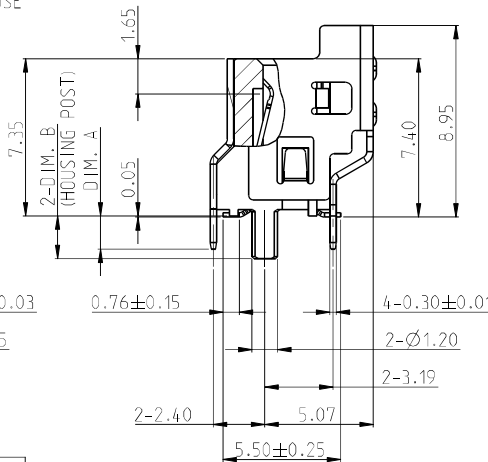
DATE CODE  
YY:YEAR  
W:WORK WEEK  
X:BLANK=STANDARD  
NON-BLANK=INTERNAL USE

PART NUMBER

YYWWX

Amphenol

0.1  
ALL SMT TAILS



PART NUMBER	DIM. A	DIM. B
G97VXX1XHR	1.50	2.00
G97VXX2XHR	2.20	2.00
G97VXX3XHR	3.00	2.00
G97VXX4XHR	4.20	2.00
G97VXX5XHR	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 ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 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	PART No. G97VXXXXXHR			
X. ±0.30	DESIGNED	JOAN LU	2025-10-29	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH. VERTICAL FOR PCIE. SMT TYPE	UNIT	SIZE	PART No.	
X.X ±0.20	CHECKED	Sondra Sang	2025-10-31		mm	A3	G97VXXXXXHR	
X.XX ±0.10	APPROVED	Hank Hsu	2025-10-31		SCALE	SHEET	DWG No.	
ANGULAR ±2°	DWG TYPE	CUST DWG	PROJECT CODE		NA	1 OF 12	G97VXXXXXHR	
UNLESS OTHERWISE SPECIFIED			T735				REV.	E

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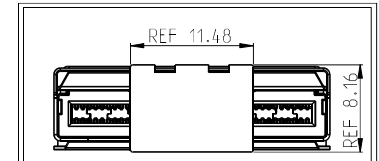
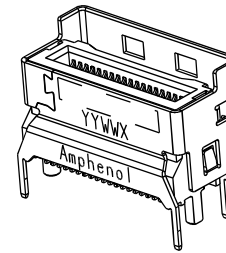
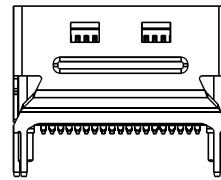
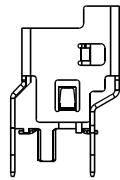
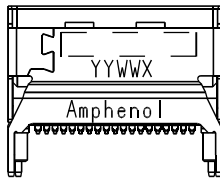


ORIGINAL

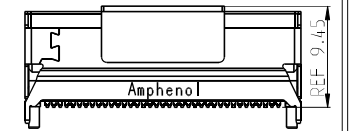
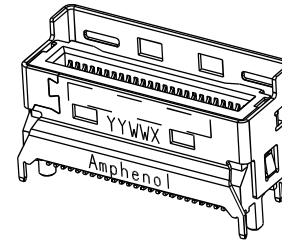
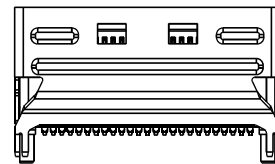
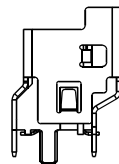
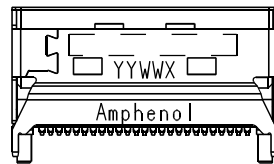


REVISIONS				
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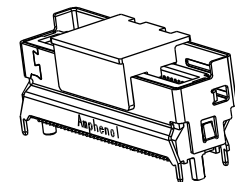
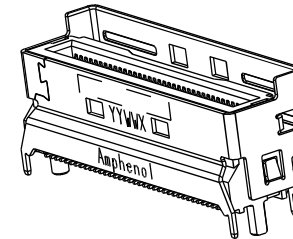
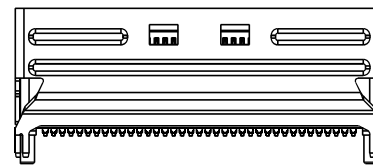
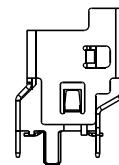
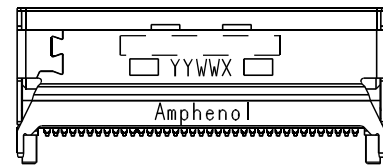
G97VX1XXXHR



G97VX5XXXHR



G97VX2XXXHR



CAP DIMENSION  
APPLICABLE PART NUMBER:  
G97VX1XX2HR  
G97VX2XX2HR  
G97VX5XX2HR

TOLERANCE	DRAWN APPROVALS	DATE	TITLE	UNIT	SIZE	PART No.
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED JOAN LU	2025-10-29	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH. VERTICAL FOR PCIE. SMT TYPE	mm	A3	G97VXXXXXHR
	CHECKED Sondra Sang	2025-10-31		SCALE	SHEET	DWG No.
ANGULAR ±2°	APPROVED Hank Hsu	2025-10-31		NA	2 OF 12	G97VXXXXXHR
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE T735				REV. E

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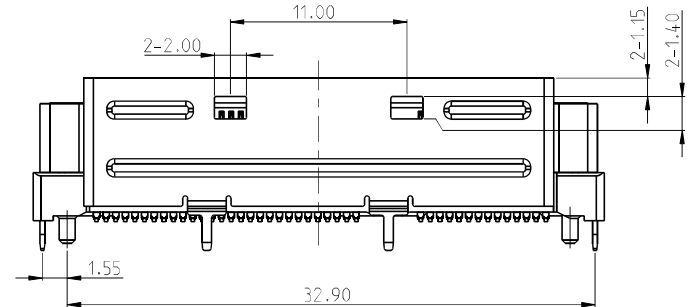
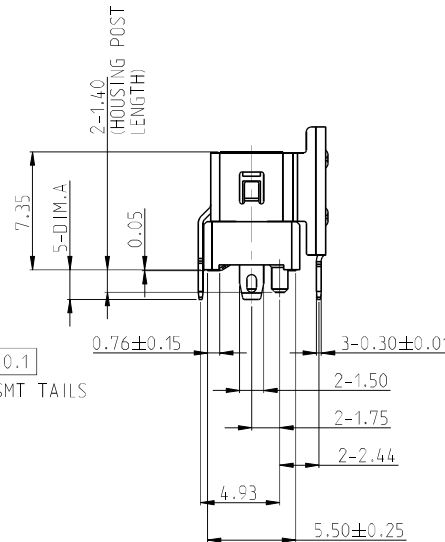
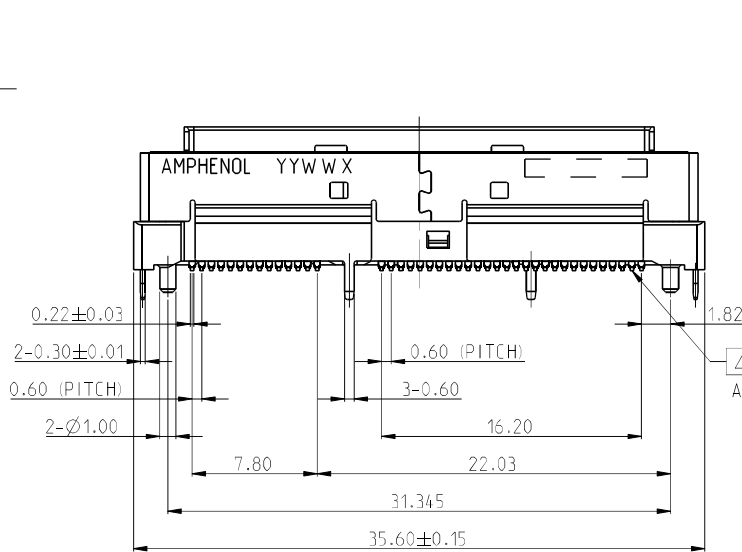
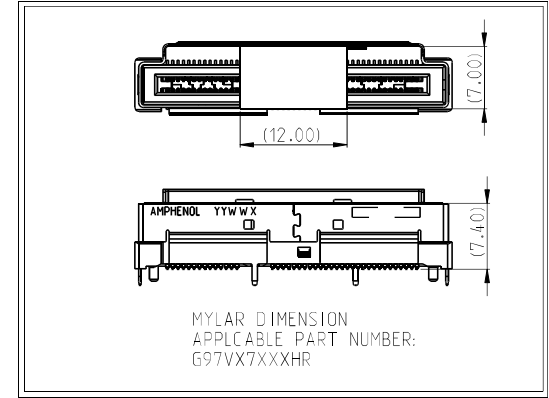
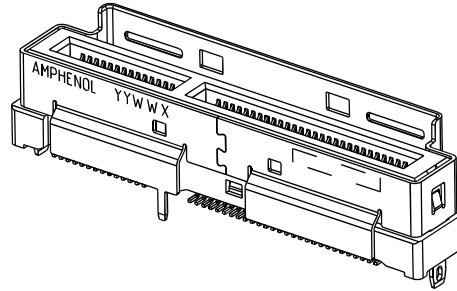
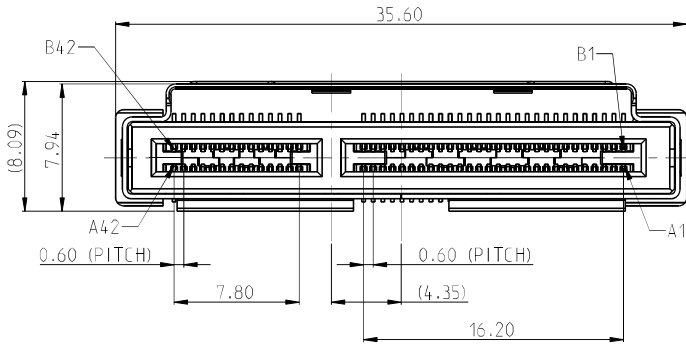


ORIGINAL



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E	NE-25287	CORRECT PACKAGE DRAWINGS	10/29/2025	JOAN LU

G97VX7XXXHR



0.1 ALL SMT TAILS

TOLERANCE	DRAWN	APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X.X ±0.30	DESIGNED	JOAN LU	2025-10-29	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH, VERTICAL FOR PCIE, SMT TYPE	UNIT mm	SIZE A3	PART No. G97VXXXXXHR	DWG No. G97VXXXXXHR
X.XX ±0.20	CHECKED	Sondra Sang	2025-10-31					
X.XXX ±0.10	APPROVED	Hank Hsu	2025-10-31					
ANGULAR ±2°	DWG TYPE	CUST DWG	PROJECT CODE T735					
UNLESS OTHERWISE SPECIFIED					SCALE NA	SHEET 4 OF 12	REV. E	



ORIGINAL

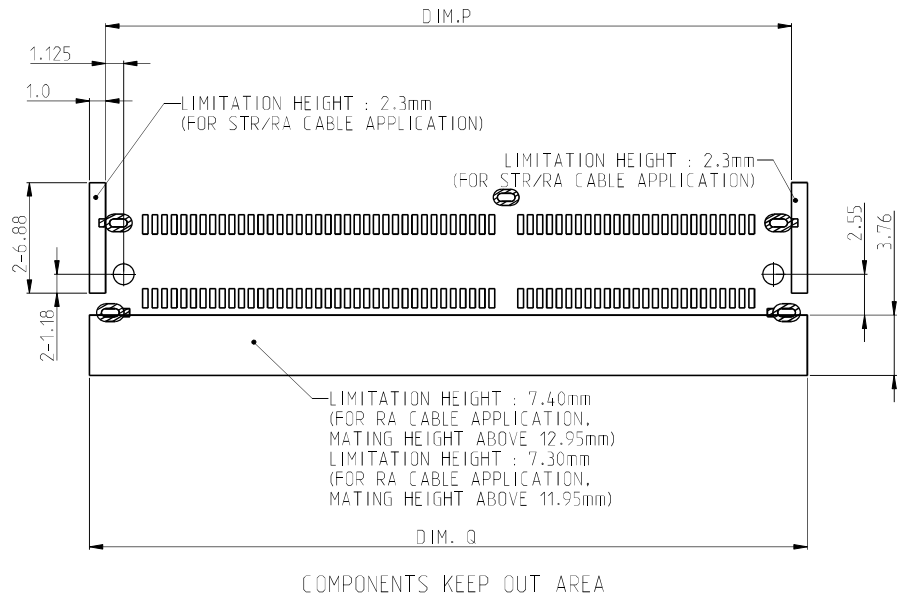
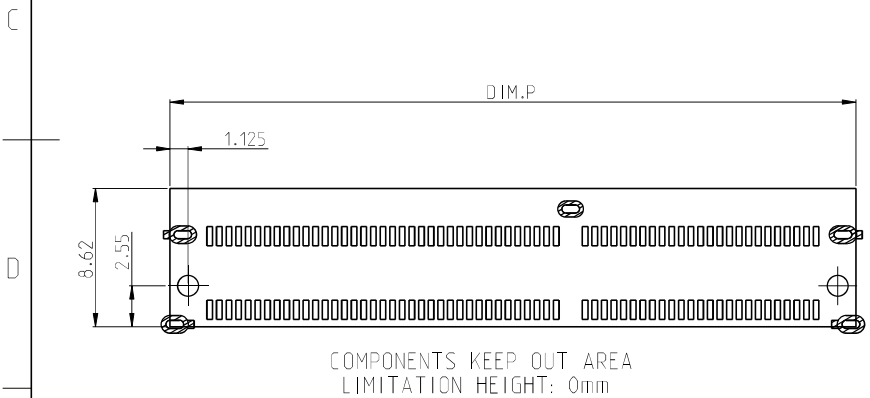
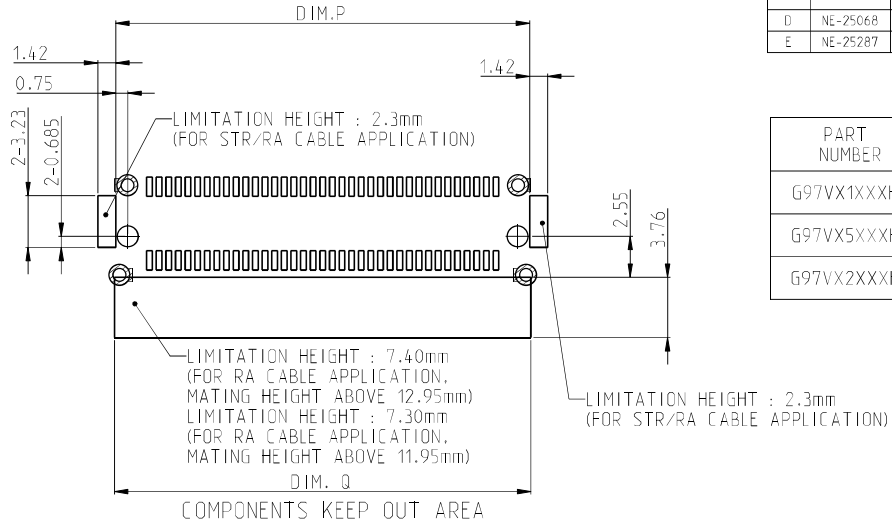
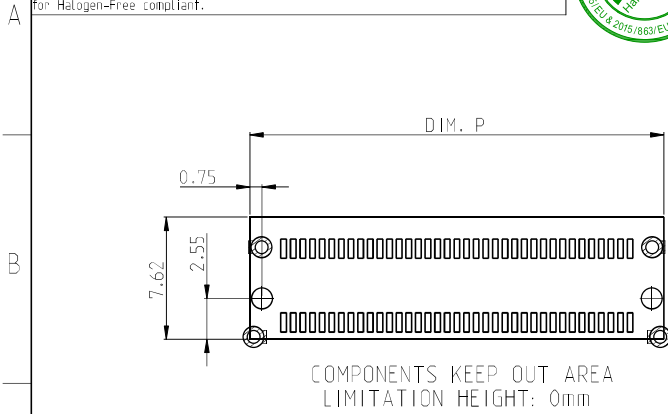
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PART NUMBER	POS. (N)	DIM. P	DIM. Q
G97VX1XXXHR	38	15.00	15.15
G97VX5XXXHR	50	18.60	18.75
G97VX2XXXHR	74	25.80	25.95



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	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation				
X. X.X X.XX X.XXX	±0.30 ±0.20 ±0.10	DESIGNED JOAN LU CHECKED Sondra Sang APPROVED Hank Hsu	2025-10-29 2025-10-31 2025-10-31	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH. VERTICAL FOR PCIE. SMT TYPE	PART No.	UNIT	SIZE	G97VXXXXXHR	
ANGULAR	±2°	DWG TYPE CUST DWG	PROJECT CODE T735		SCALE	SHEET	6 OF 12		
UNLESS OTHERWISE SPECIFIED					UNIT	SIZE	mm A3		
					SCALE	SHEET	NA 6 OF 12		
					DWG No.	G97VXXXXXHR		REV. E	



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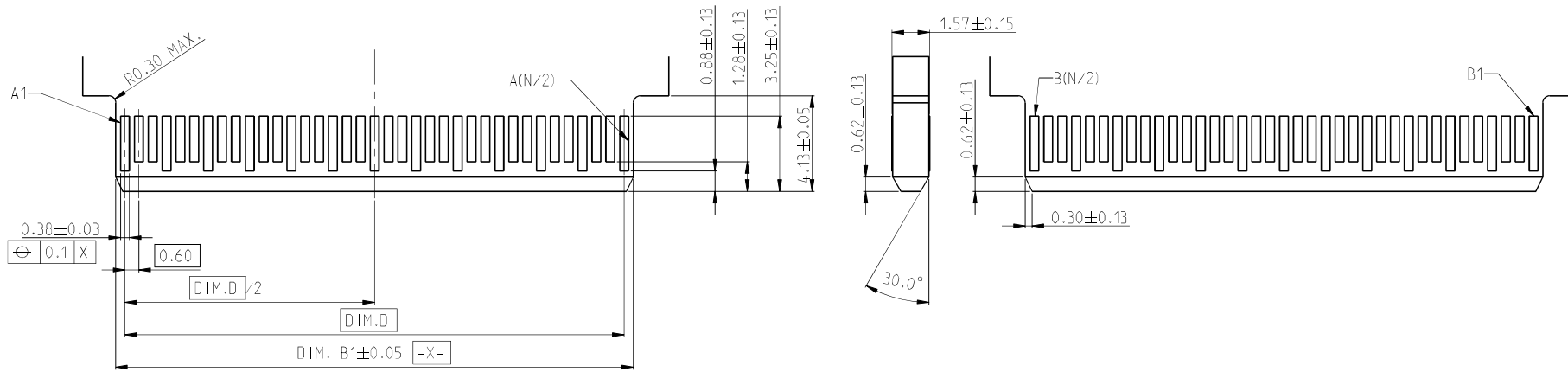


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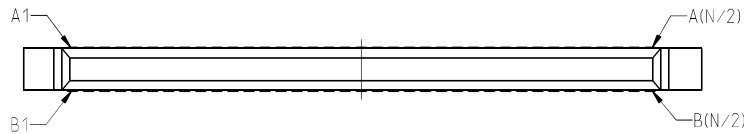


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RECOMMENDED AIC MATING CARD DIMENSIONS



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			Amphenol®		
X. ±0.30	DESIGNED JOAN LU	2025-10-29	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH. VERTICAL FOR PCIE. SMT TYPE			Amphenol Corporation Amphenol Taiwan Corporation		
X.XX ±0.20	CHECKED Sondra Sang	2025-10-31						
X.XXX ±0.10	APPROVED Hank Hsu	2025-10-31						
ANGULAR ±2°	DWG TYPE CUST DWG	PROJECT CODE T735	UNIT mm	SIZE A3	PART No. G97VXXXXXHR	DWG No. G97VXXXXXHR REV. E		
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 8 OF 12				



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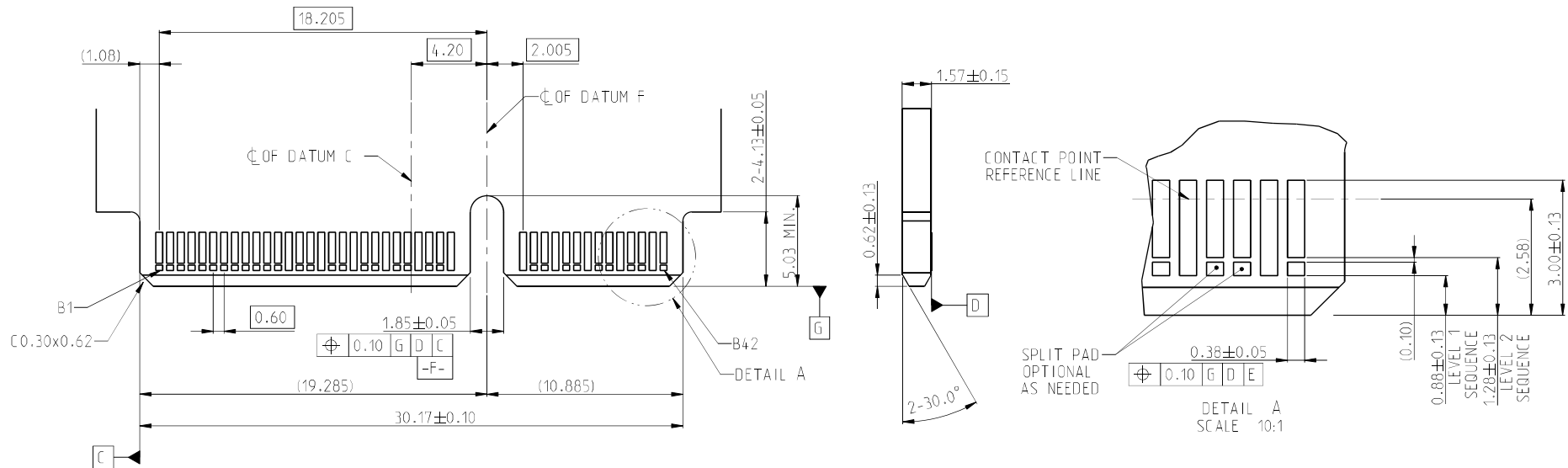
ORIGINAL



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RECOMMENDED AIC MATING CARD DIMENSIONS

G97VX7XXXHR



NOTE: POSITION A1 ON OPPOSITE SIDE OF CARD OF B1

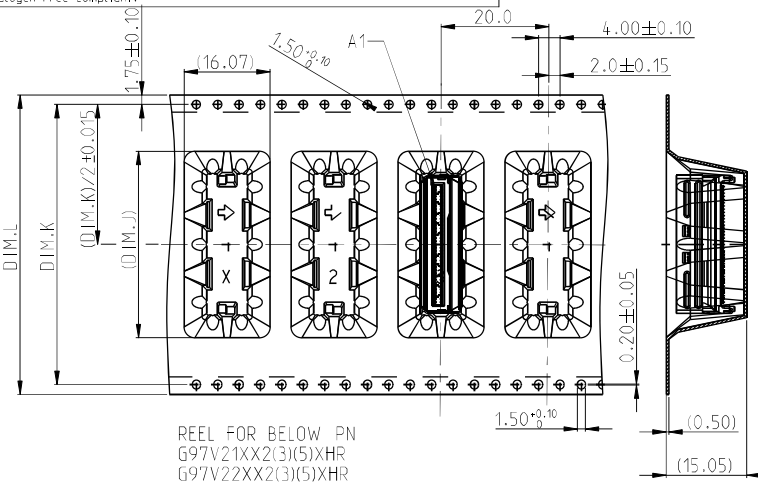
TOLERANCE	DRAWN APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X.X	DESIGNED JOAN LU	2025-10-29	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH, VERTICAL FOR PCIE, SMT TYPE	UNIT	SIZE	PART No.	G97VXXXXXHR
X.XX ±0.30	CHECKED Sondra Sang	2025-10-31		mm	A3	DWG No. G97VXXXXXHR	
X.XXX ±0.20	APPROVED Hank Hsu	2025-10-31		SCALE	SHEET		
ANGULAR ±2°	UNLESS OTHERWISE SPECIFIED	PROJECT CODE T735	NA	10 OF 12	E		

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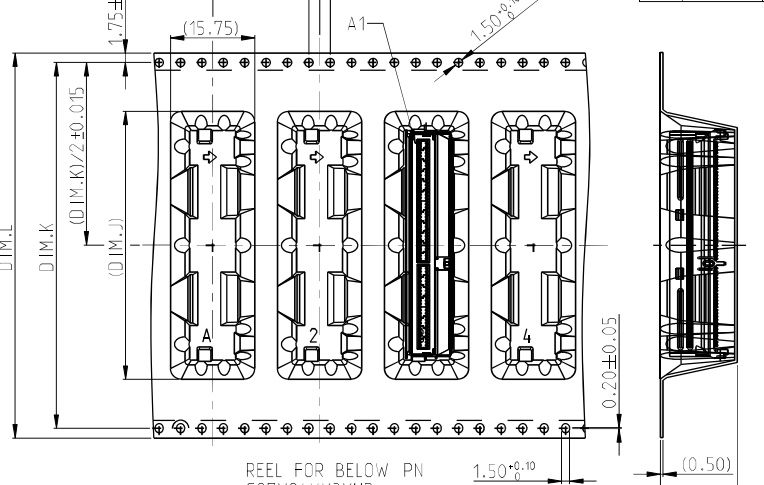
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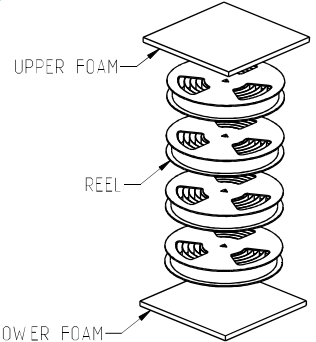
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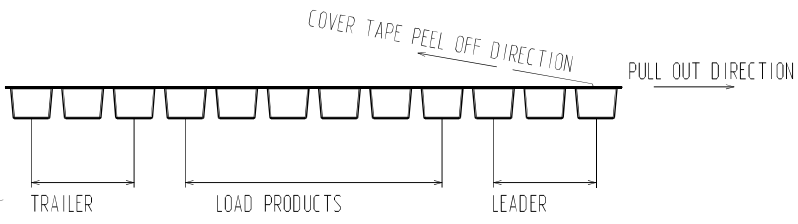
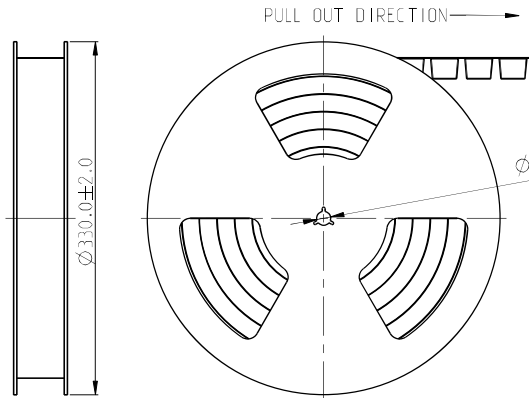
REEL FOR BELOW PN  
G97V21XX2(3)(5)XHR  
G97V22XX2(3)(5)XHR  
G97V24XX2(5)XHR  
G97V26XX2(3)(5)XHR



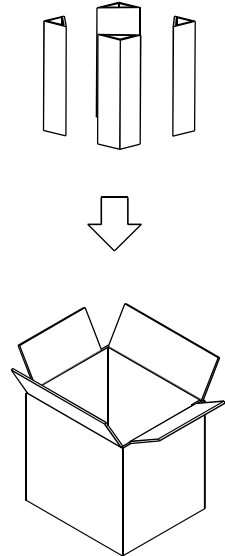
REEL FOR BELOW PN  
G97V24XX3XHR



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



NOTE 2:  
1. CARTON SIZE 340L X 340W X265H  
2. REFER TO AMTA LABELING STANDARD.  
3. 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 ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 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. ±0.30	DESIGNED	JOAN LU	2025-10-29	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH. VERTICAL FOR PCIE. SMT TYPE	mm	A3	G97VXXXXXHR
X.X ±0.20	CHECKED	Sondra Sang	2025-10-31				
X.XX ±0.10	APPROVED	Hank Hsu	2025-10-31				
X.XXX ±0.10	DWG TYPE	CUST DWG	PROJECT CODE T735				
ANGULAR ±2°	UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 11 OF 12	DWG No. G97VXXXXXHR	REV. E

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