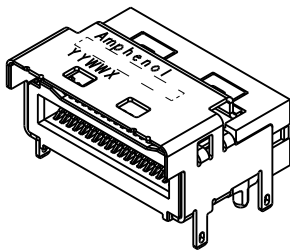
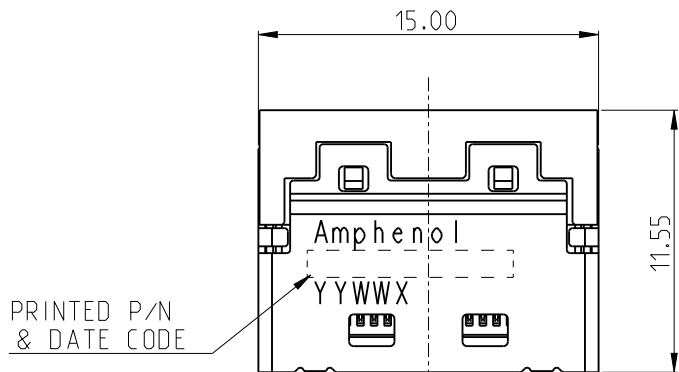


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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-22202	RELEASE TO PRODCUTION	2022-10-13	Sondra Sang
B	NE-23037	CHANGED 3.05 TOL. FROM +/-0.20 TO BE +0.20/-0.05	2023-02-13	Sondra Sang
C	NE-23084	CORRECT POST OD TOLERANCE TO BE 1.00+/-0.05 MODIFIED SHELL ON BOTTOM VIEW	2023-05-11	Sondra Sang
D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYWWX	2025-05-26	Sondra Sang



PART NUMBER
G97 R X X X X X H R

MINI COOL EDGE IO
INTEGRATED CONNECTOR

RIGHT ANGLE TYPE

CONNECTOR SPEED
2: PCIE GEN5

PIN QTY/ CHANNEL
1: 38 PIN (4X+SB OR 6X)
2: 74 PIN (8X+SB OR 12X)
4: 124 PIN (16X+SB OR 20X)
6: 148 PIN (20X+SB OR 24X)

*SB: SIDEBAND

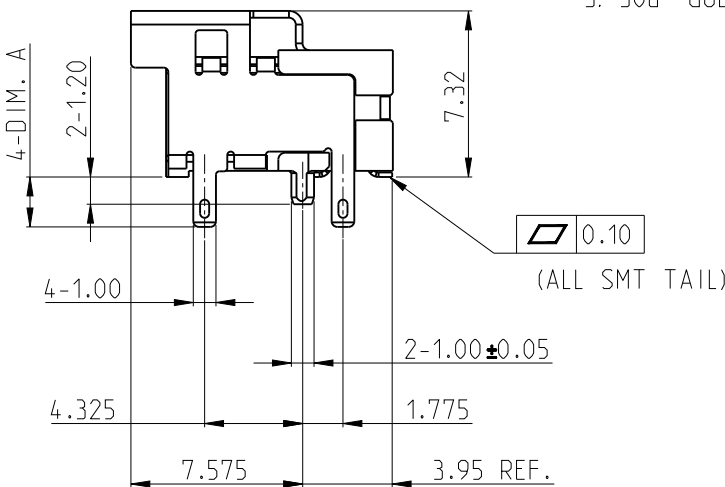
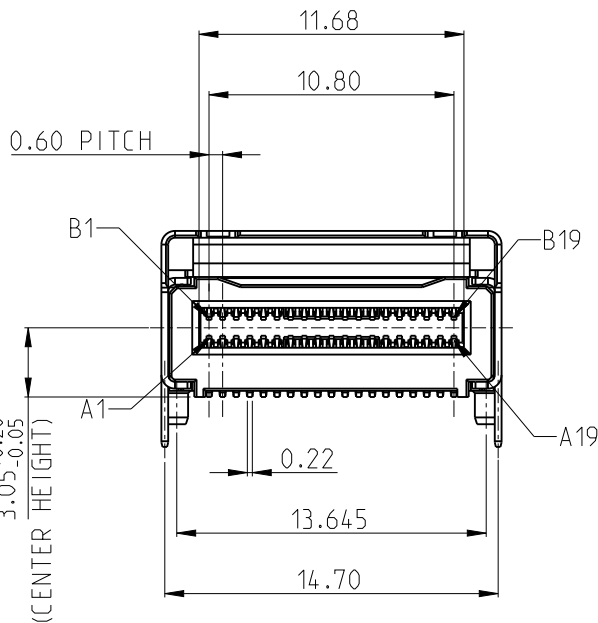
CONTACT FINISH
2: 15u" GOLD
3: 30u" GOLD

COMPLIANT CODE
HR: HALOGEN FREE & RoHS

VARIATION CODE
BLANK: STANDARD

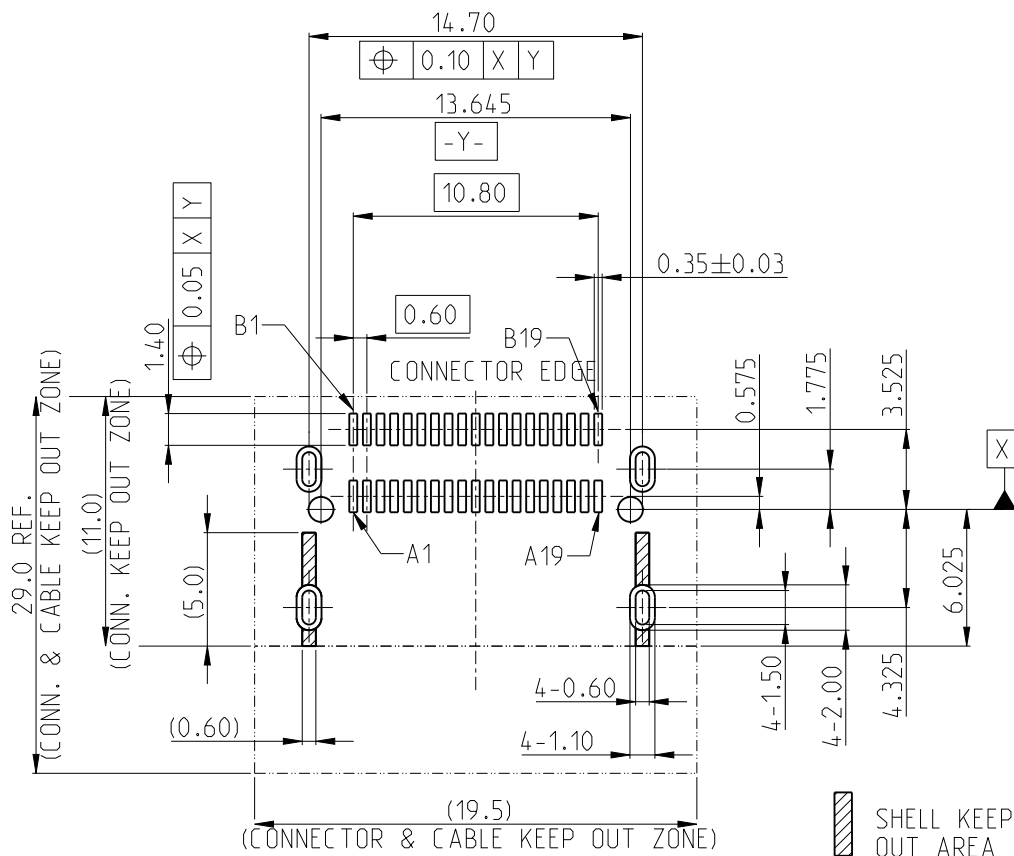
PACKING CODE
2: TAPE & REEL
5: TAPE & REEL FOR CUSTOMIZED

SHELL TAIL LENGTH OPTIONS (DIM. A)
1: 1.50 mm
2: 2.20 mm
3: 3.00 mm
4: 4.20 mm
5: 1.20 mm
7: 2.60 mm



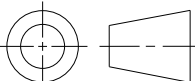
DATE CODE
YY WW X
X: INTERNAL USE
WEEK: 25 (25th WEEK)
YEAR: 25 (2025)

38 PIN



RECOMMENDED PCB LAYOUT (TOP VIEW)
(GENERAL TOLERANCES: ±0.05)

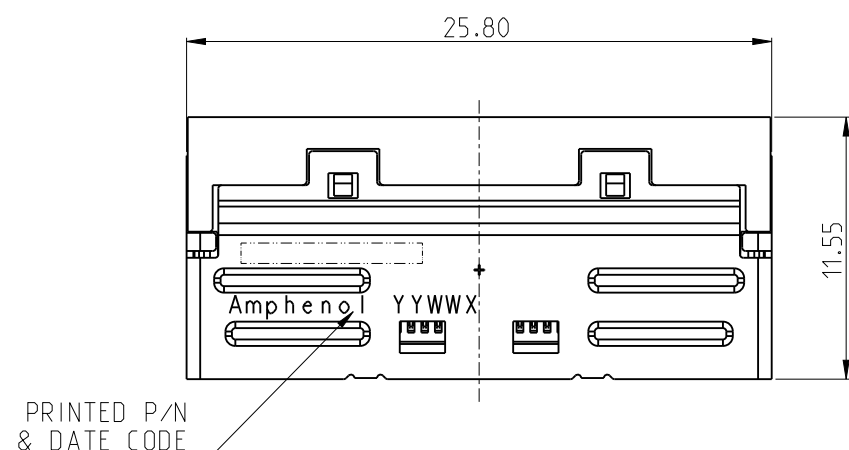
- NOTES:
- HOUSING/ SPACER: LCP, UL 94V-0, COLOR-BLACK
 - TERMINAL: COPPER ALLOY, 0.20mm THICKNESS, SELECTED GOLD PLATING ON CONTACT AREA, 100u" MIN. MATTE TIN ON SOLDERING TAIL, 50u" MIN. NICKEL UNDER-PLATING OVERALL
 - METAL SHELL: STAINLESS STEEL, 0.30mm THICKNESS, 50u" MIN. SOLDERABLE NICKEL PLATING ON SOLDERING TAIL
 - PRODUCT SPECIFICATION REFERS TO PS-7755
 - THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2011/65/EU AND 2015/863/EU FOR RoHS AND PER IEC 61249-2-21 FOR HALOGEN FREE COMPLIANT.

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°		DESIGNED	Sondra Sang	2025-05-26	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE								
		CHECKED	Joan Lu	2025-05-26									
		APPROVED	Hank Hsu	2025-05-26								UNIT	mm
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	T687	SCALE	NA	SHEET	1 OF 6	PART No.	G97RXXXXXXHR		
										DWG No.	G97RXXXXXXHR	REV.	D

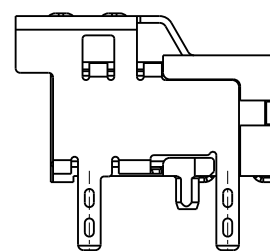
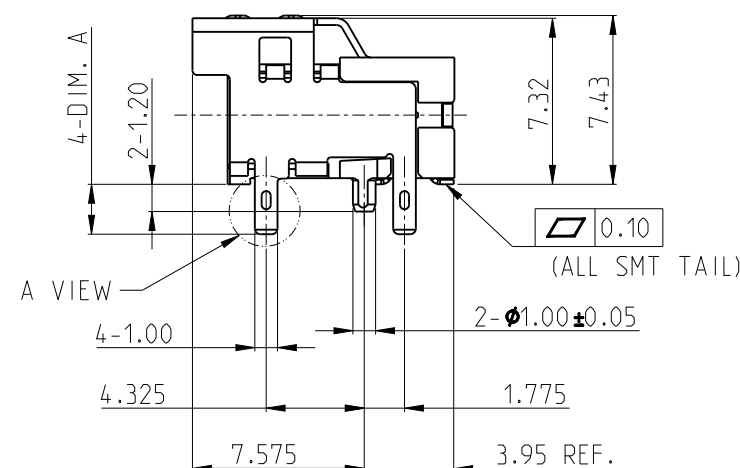
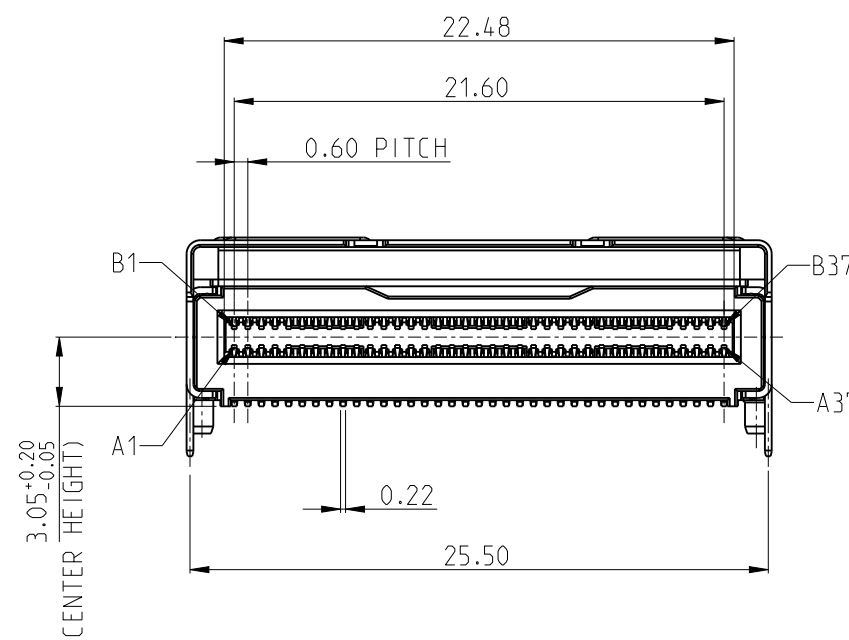
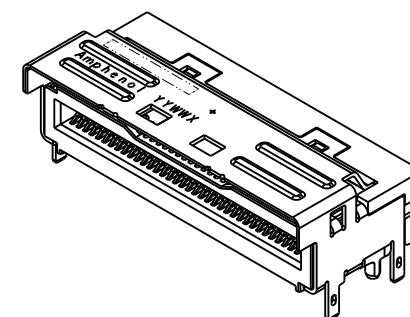
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant & per IEC 61249-2-21 for Halogen-Free compliant.



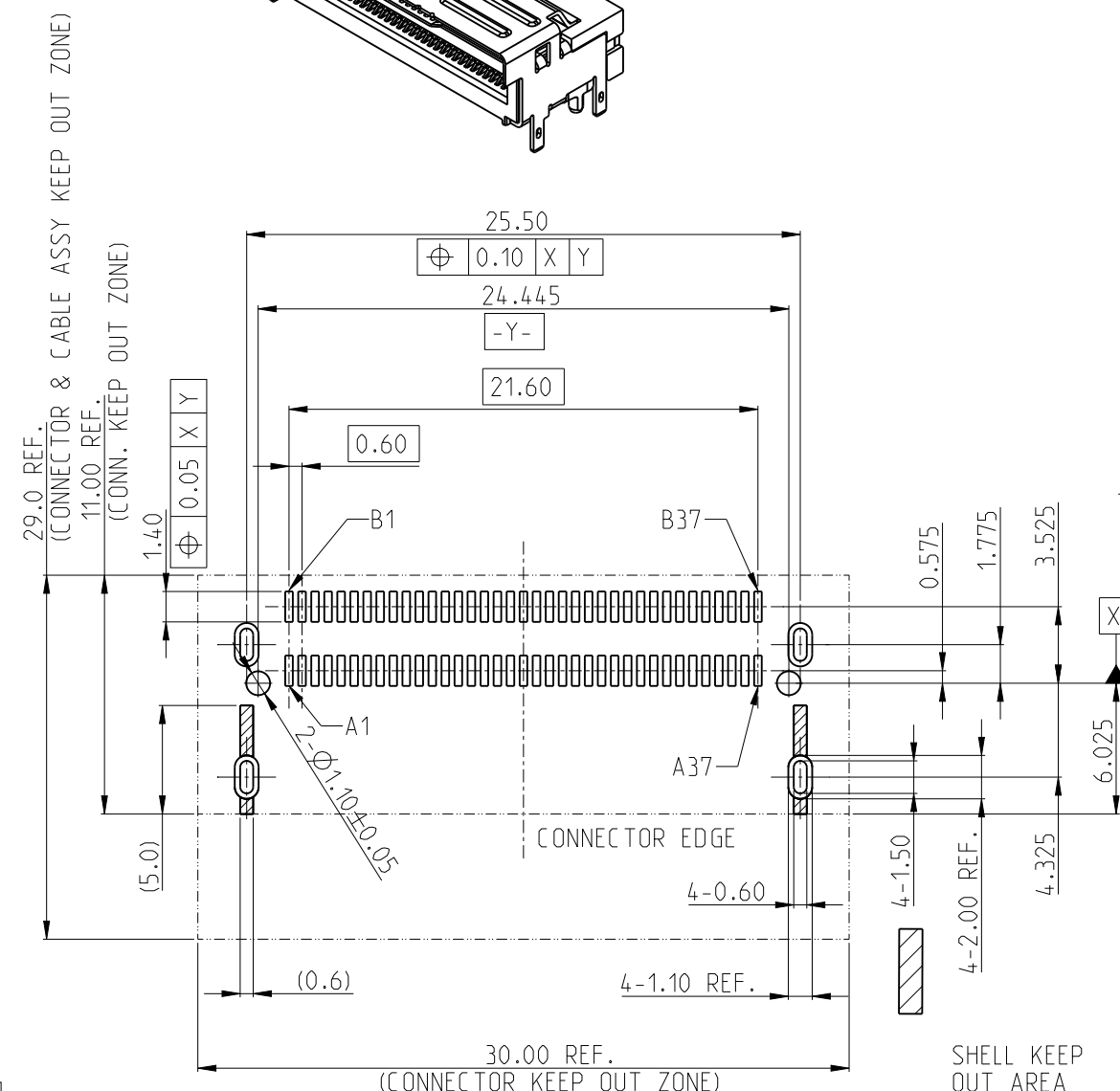
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
A	NE-22202	RELEASE TO PRODUCTION	2022-10-13	Sondra Sang
B	NE-23037	CHANGED 3.05 TOL. FROM +/-0.20 TO BE +0.20/-0.05	2023-02-13	Sondra Sang
C	NE-23084	CORRECT POST OD TOLERANCE TO BE 1.00+/-0.05 MODIFIED SHELL ON BOTTOM VIEW	2023-05-11	Sondra Sang
D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYWWXX	2025-05-26	Sondra Sang



DATE CODE
YY WW X
—X: INTERNAL USE
—WEEK: 25 (25th WEEK)
—YEAR: 25 (2025)



A VIEW
(SHELL TAIL LENGTH IS 3.0 & 4.2)



74 PIN

RECOMMENDED PCB LAYOUT (TOP VIEW)
(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 ANGULAR ±2°	DESIGNED Sondra Sang	2025-05-26	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE 			UNIT mm	SIZE A3	PART No. G97RXXXXXXHR	
	CHECKED Joan Lu	2025-05-26				SCALE NA	SHEET 2 OF 6	DWG No. G97RXXXXXXHR	REV. D
	APPROVED Hank Hsu	2025-05-26							
	DWG TYPE CUST DWG	PROJECT CODE T687							
UNLESS OTHERWISE SPECIFIED									

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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
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C	NE-23084	CORRECT POST OD TOLERANCE TO BE 1.00+/-0.05 MODIFIED SHELL ON BOTTOM VIEW	2023-05-11	Sondra Sang
D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYWWX	2025-05-26	Sondra Sang

A

A

B

B

C

C

D

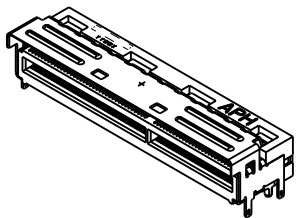
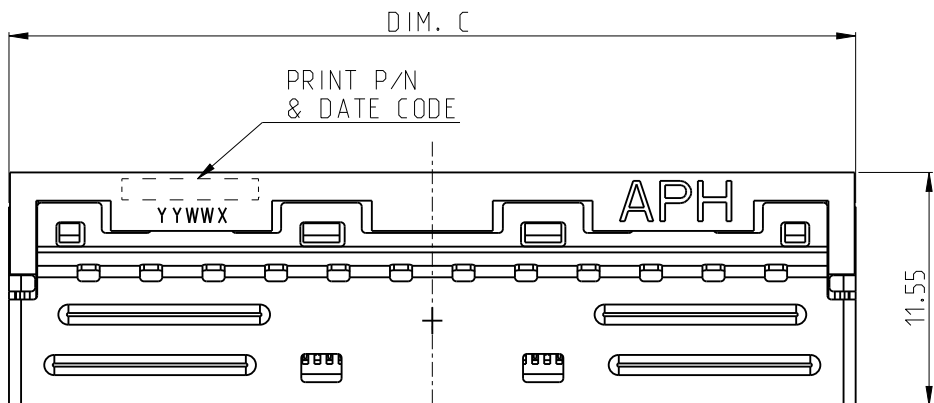
D

E

E

F

F

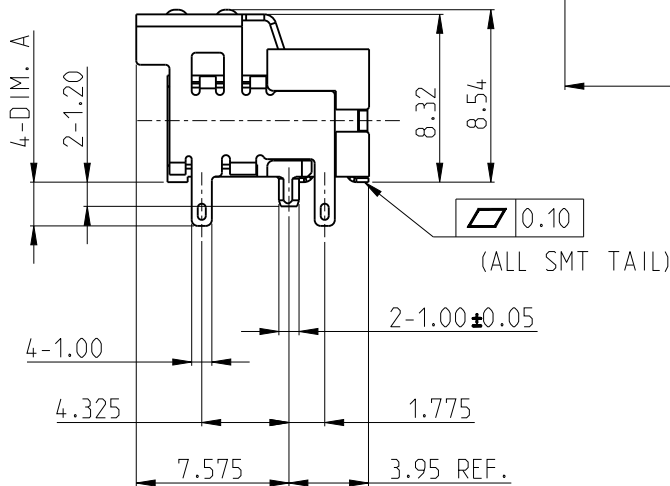
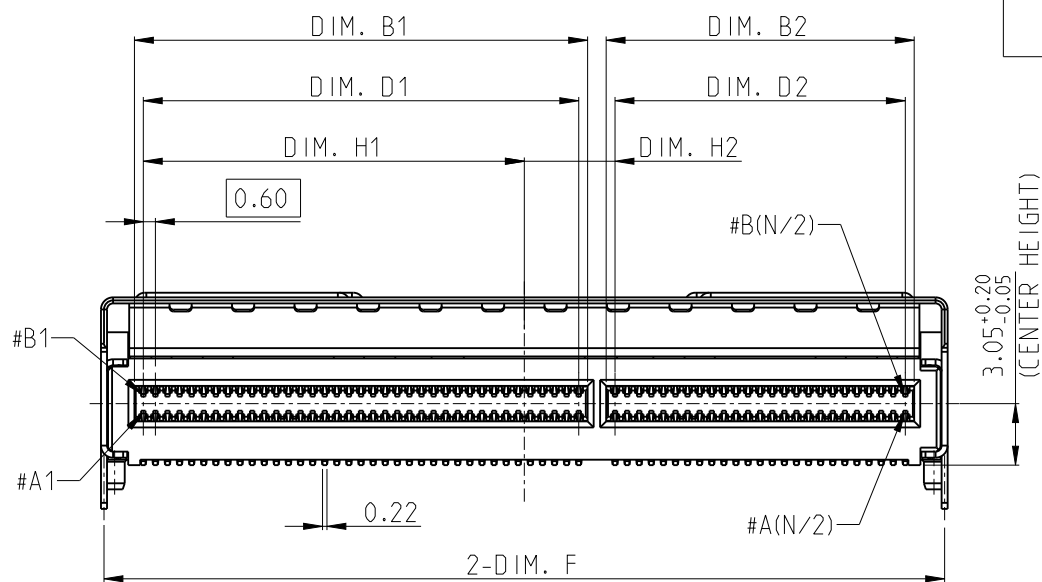


DATE CODE
YY WW X
X: INTERNAL USE
WEEK: 25 (25th WEEK)
YEAR: 25 (2025)

29.0 REF.
(CONN. & CABLE ASSY KEEP OUT ZONE)

11.0 REF.
(CONN. KEEP OUT ZONE)

1.40
0.05 X Y



(ALL SMT TAIL)

46.0 REF. FOR 124POS.
53.2 REF. FOR 148POS.
(CONNECTOR & CABLE ASSY KEEP OUT ZONE)

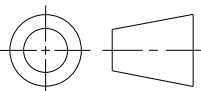
RECOMMENDED PCB LAYOUT (TOP VIEW)
(GENERAL TOLERANCES: ±0.05)

SHELL KEEP OUT AREA

124 PIN & 148 PIN

PART NUMBER	POS. (N)	DIM. B1	DIM. B2	DIM. C	DIM. D1	DIM. D2	DIM. E	DIM. F	DIM. H1	DIM. H2
G97RX4XXXXHR	124	22.48	15.28	42.00	21.60	14.40	40.645	41.70	18.90	4.50
G97RX6XXXXHR	148	22.48	22.48	49.20	21.60	21.60	47.845	48.90	22.50	0.90

TOLERANCE	DRAWN	APPROVALS	DATE	TITLE		UNIT		SIZE	PART No.	
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED	Sondra Sang	2025-05-26	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE		mm		A3	G97RXXXXXXHR	
ANGULAR ±2°	CHECKED	Joan Lu	2025-05-26			SCALE		NA	G97RXXXXXXHR	
UNLESS OTHERWISE SPECIFIED	DWG TYPE	CUST DWG	PROJECT CODE			T687		3 OF 6	REV. D	



Amphenol®

Amphenol Corporation
Amphenol Taiwan Corporation

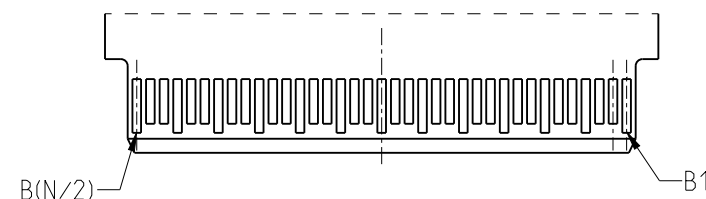
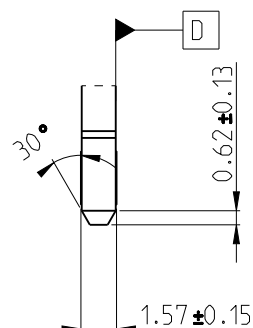
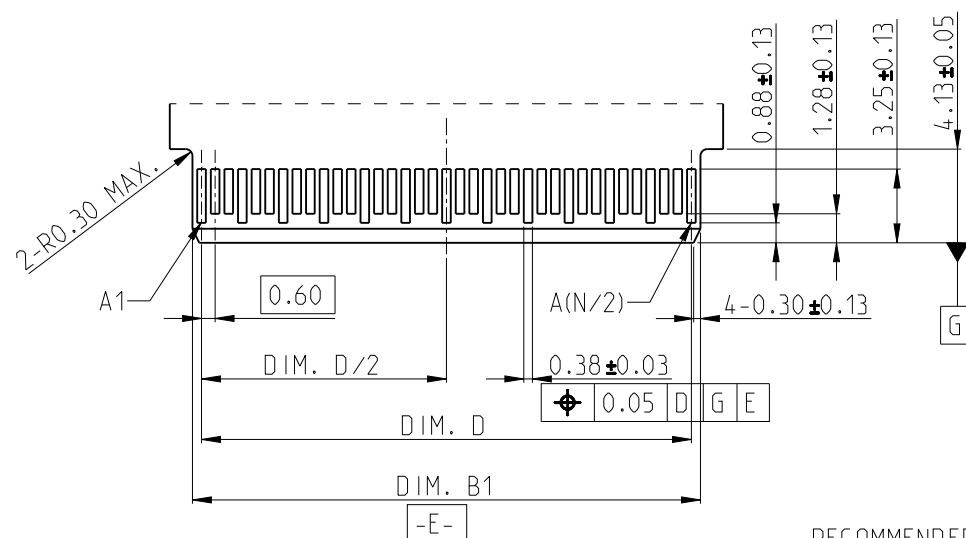
REV. D

REV. D

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.

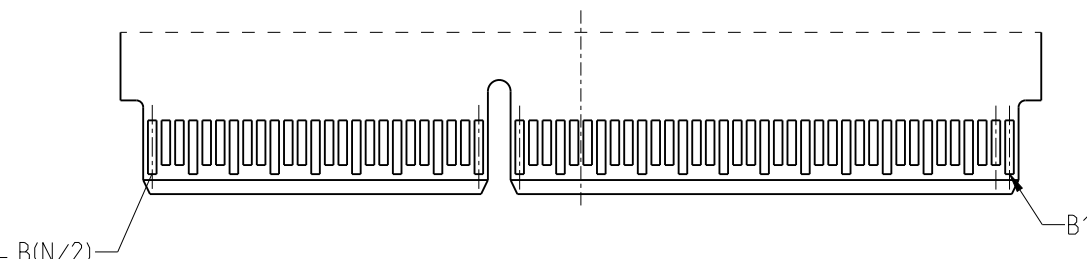
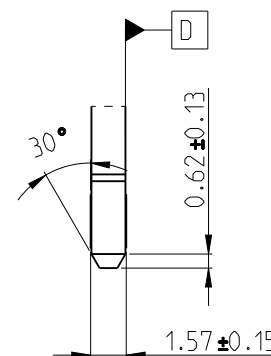
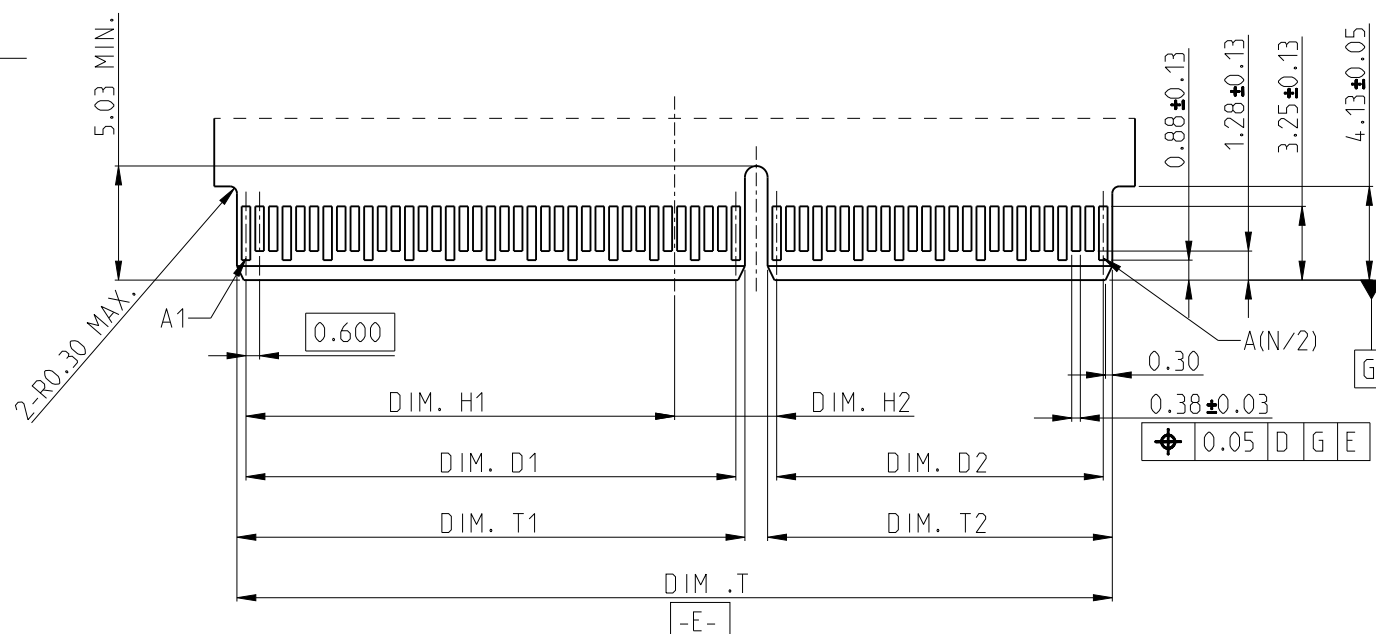


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
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C	NE-23084	CORRECT POST OD TOLERANCE TO BE 1.00+/-0.05 MODIFIED SHELL ON BOTTOM VIEW	2023-05-11	Sondra Sang
D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYWWXX	2025-05-26	Sondra Sang



PART NUMBER	POS. (N)	DIM. B1	DIM. D
G97RX1XXXXHR	38	11.60	10.80
G97RX2XXXXHR	74	22.40	21.60

RECOMMENDED MATING CARD (38PIN & 74PIN)
(GENERAL TOLERANCES: ±0.05)



PART NUMBER	POS. (N)	DIM. D1	DIM. D2	DIM. H1	DIM. H2	DIM. T	DIM. T1	DIM. T2
G97RX4XXXXHR	124	21.60	14.40	18.90	4.50	38.60	22.40	15.20
G97RX6XXXXHR	148	21.60	21.60	22.50	0.90	45.80	22.40	22.40

RECOMMENDED MATING CARD (124PIN & 148PIN)
(GENERAL TOLERANCES:±0.05)

TOLERANCE	APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation					
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGULAR ±2°	DESIGNED Sondra Sang	2025-05-26	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE								
	CHECKED Joan Lu	2025-05-26									
	APPROVED Hank Hsu	2025-05-26							UNIT mm	SIZE A3	PART No. G97RXXXXXXHR
	DWG TYPE CUST DWG	PROJECT CODE T687							SCALE NA	SHEET 4 OF 6	DWG No. G97RXXXXXXHR

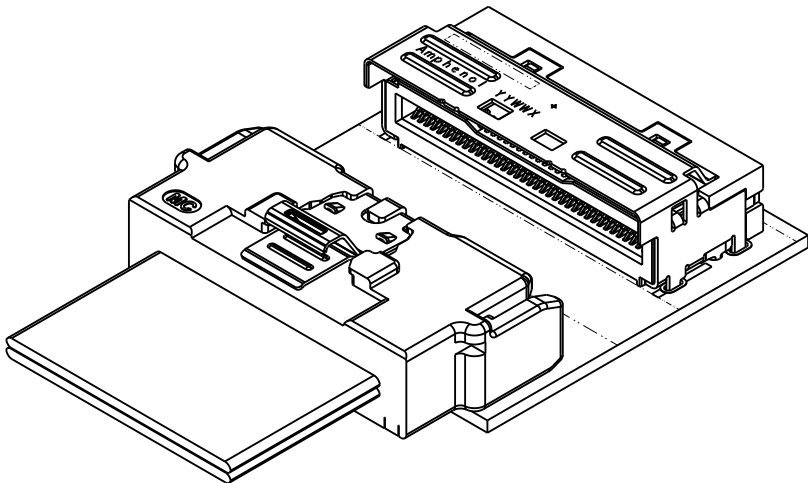
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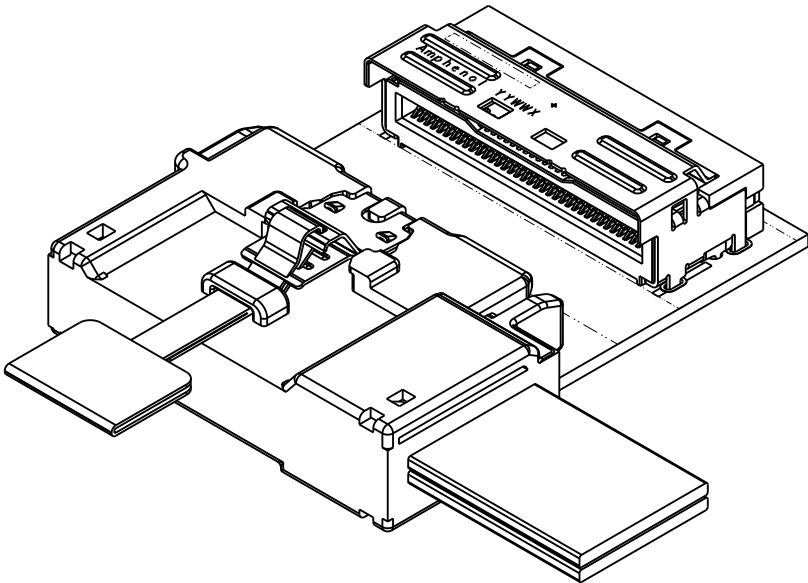


REVISIONS				
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D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYW WX	2025-05-26	Sondra Sang

RECEPTACLE- RIGHT ANGLE TYPE



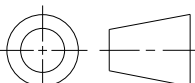
RECEPTACLE- RIGHT ANGLE TYPE



PLUG- STRAIGHT TYPE

PLUG- SIDE ENTRY TYPE

RECOMMENDED MATING STYLE

TOLERANCE		DRAWN	APPROVALS	DATE	TITLE MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation						
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED	Sondra Sang	2025-05-26										
		CHECKED	Joan Lu	2025-05-26										
ANGULAR ±2°		APPROVED	Hank Hsu	2025-05-26										
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	T687		UNIT	mm	SIZE	A3	PART No.	G97RXXXXXXHR		
							SCALE	NA	SHEET	5 OF 6	DWG No.	G97RXXXXXXHR	REV.	D

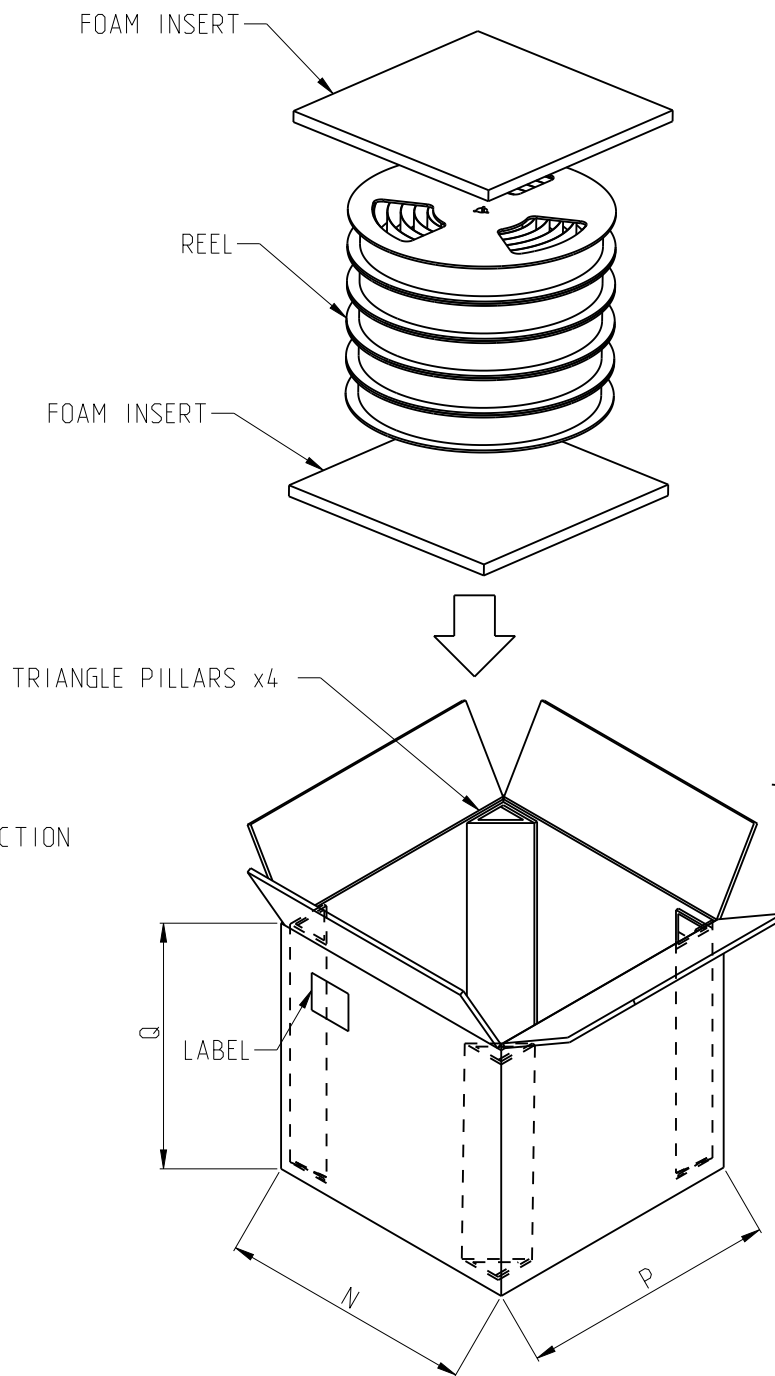
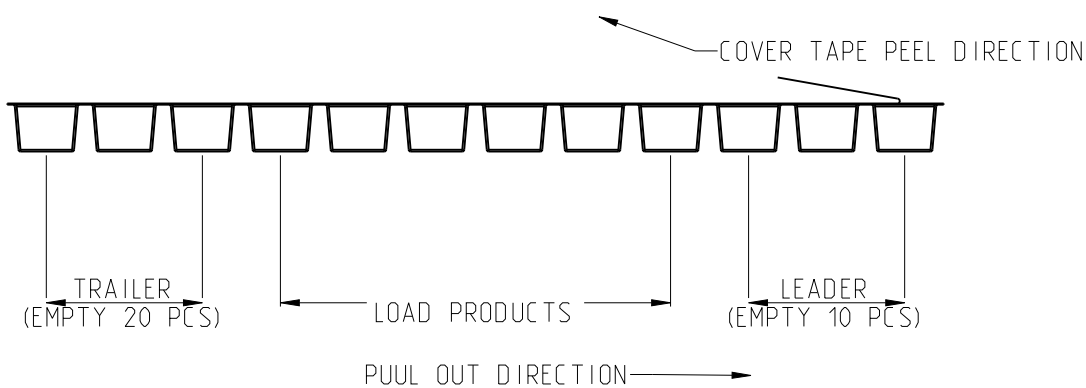
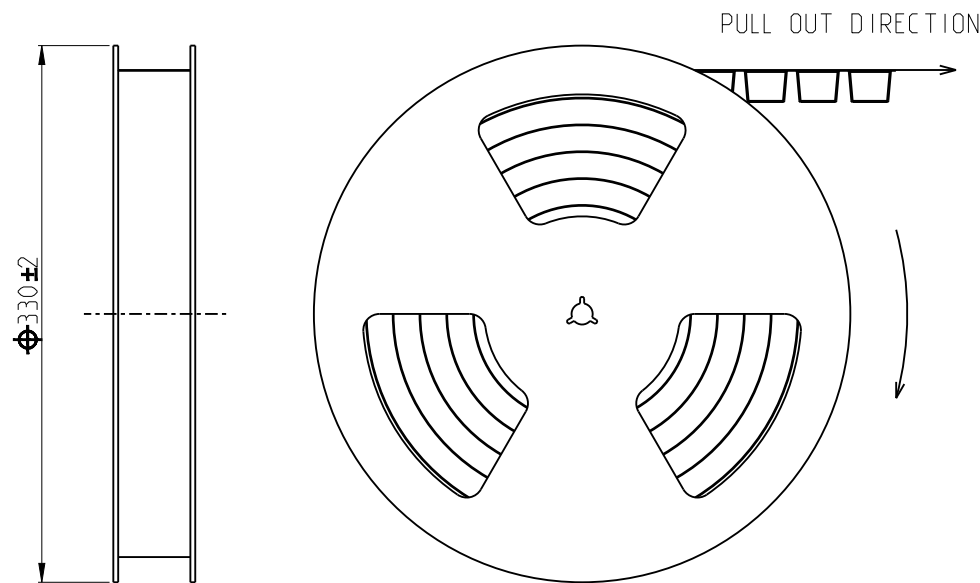
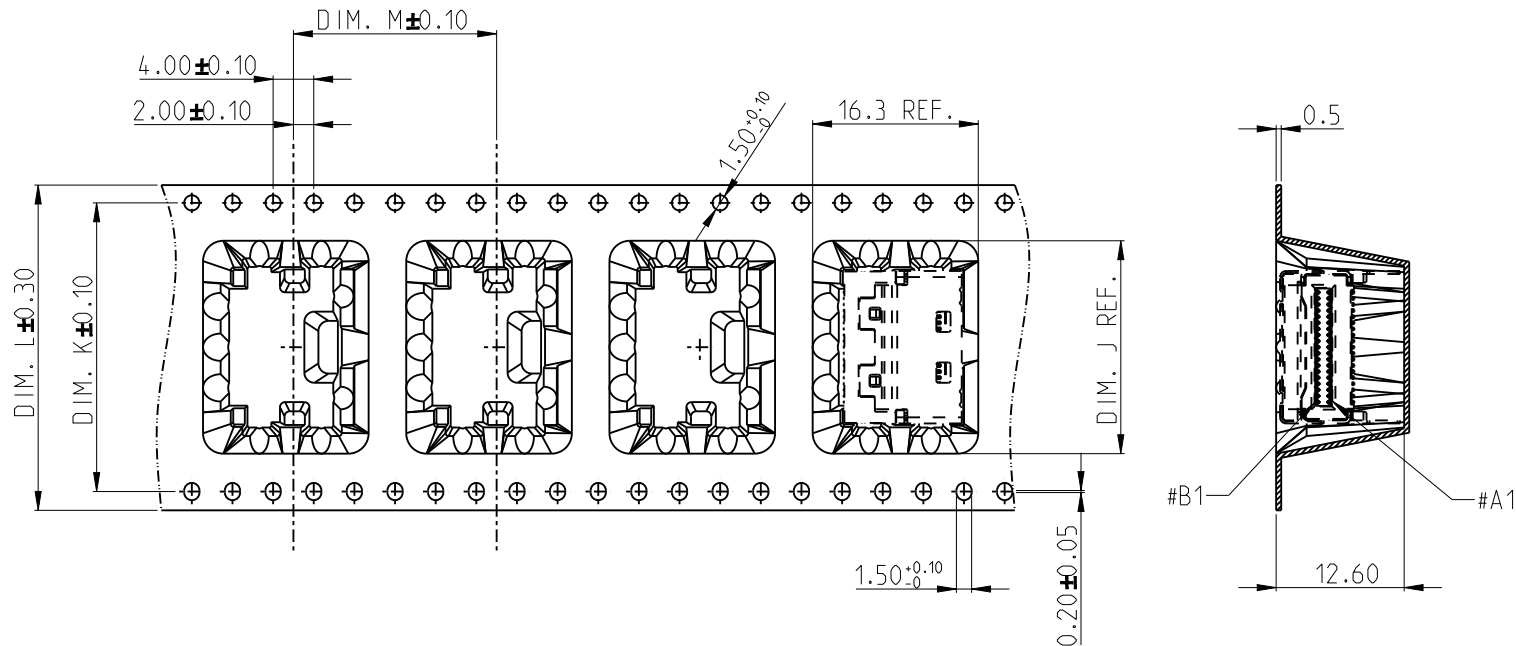
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D	NE-25123	CHANGED DATE CODE FROM YYWW TO BE YYWWX	2023-05-26	Sondra Sang

PART NUMBER	POS. (N)	DIM. J	DIM. K	DIM. L	DIM. M	REEL (PCS)	CARTON (PCS)	N x P x Q (mm)
G97RX1XXXXHR	38	(20.9)	28.40	32.00	20.00	225	1350	355x355x265
G97RX2XXXXHR	74	(32.5)	40.40	44.00	20.00	250	1250	355x355x290
G97RX4XXXXHR	124	(39.5)	68.40	72.00	20.00	220	660	355x355x290
G97RX6XXXXHR	148	(49.4)	68.40	72.00	20.00	220	660	355x355x290

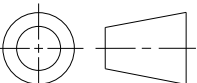


NOTE :

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 HAZRDOUS DIRECTIVE 2011/65/EU AND 2015/863/EU FOR RoHS AND PER IEC 61249-2-21 FOR HALOGEN FREE COMPLIANT.

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°	DESIGNED	Sondra Sang	2025-05-26	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, 85 OHM RIGHT ANGLE FOR PCIE TYPE 										
	CHECKED	Joan Lu	2025-05-26											
	APPROVED	Hank Hsu	2025-05-26							UNIT	mm	SIZE	A3	
UNLESS OTHERWISE SPECIFIED	DWG TYPE	CUST DWG	PROJECT CODE	T687	SCALE	NA	SHEET	6 OF 6	PART No.	G97RXXXXXXHR	DWG No.	G97RXXXXXXHR	REV.	D