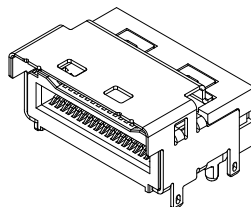
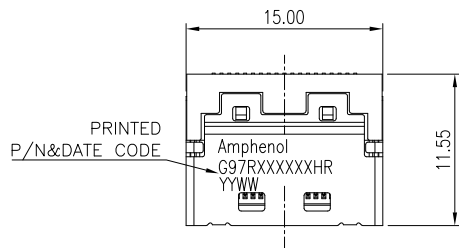


The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.



REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEL OUT ZONE	2020.03.16	Sondra Sang



PART NUMBER:
G97 R X X X X X HR

MINI COOL EDGE IO INTEGRATED CONNECTOR

RIGHT ANGLE TYPE

CONNECTOR SPEED
2: PCIE GEN 5

CHANNEL/PIN QTY
1: 38 PIN(4X+SIDE BAND OR 6X)
2: 74 PIN(8X+SIDE BAND OR 12X)
4: 124 PIN(16X+SIDE BAND OR 20X)
6: 148 PIN(20X+SIDE BAND OR 24X)
7: 84 PIN(8X+SIDE BAND OR 13X+SIDE BAND)

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

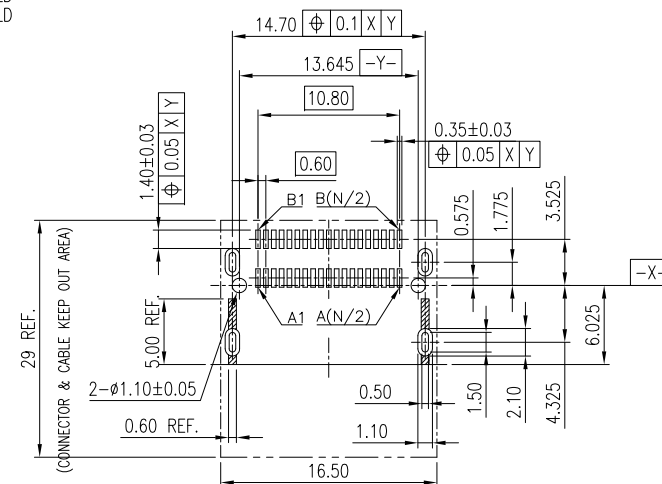
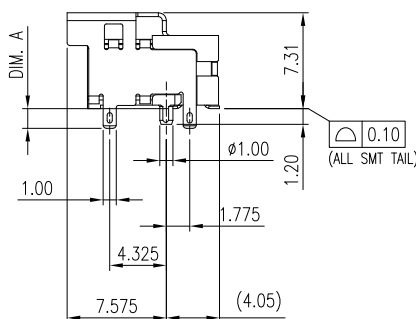
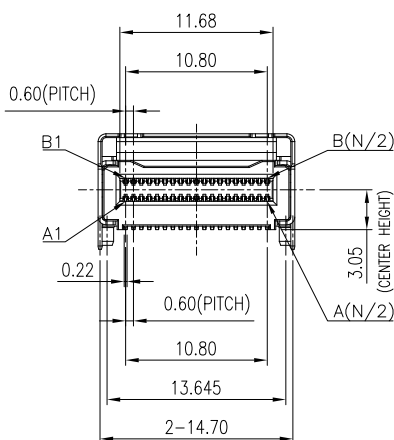
COMPLIANT CODE
HR: HALOGEN-FREE & RoHS

VARIATION CODE
BLANK: STANDARD

PACKING CODE
2: TAPE AND REEL

SHELL PIN LENGTH OPTIONS(DIM.A)
1: 1.50mm
2: 1.20mm
3: 3.00mm
4: 4.20mm
5: 1.20mm
A: 1.20mm, TIN/ NICKEL
B: 2.20mm, TIN/ NICKEL
C: 3.00mm, TIN/ NICKEL
D: 4.20mm, TIN/ NICKEL
E: 1.20mm, TIN/ NICKEL

14 70 0 1 X X



1. HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, COLOR-BLACK
2. TERMINAL: COPPER ALLOY, SELECTED GOLD PLATING ON CONTACT AREA, 100 μ " MIN. MATTE TIN ON SOLDERING TAIL, 50 μ " MIN. NICKEL UNDER-PLATED OVERALL

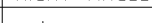
3. METAL SHELL: STAINLESS STEEL, 50u" MIN. ELECTROLESS NICKEL PLATING OVERALL OR 100u" MIN. MATTE TIN PLATING ON SOLDERING TAILS, 50u" MIN. NICKEL PLATING OVERALL
4. PRODUCT SPECIFICATION REFERS TO PS-7755
5. THIS PRODUCT DOESN'T CONTAIN ENVIRONMENTAL HAZARDOUS MATERIALS PER DIRECTIVE 2011/65/EC FOR ROHS AND PER IEC 61249-2-21 FOR HALOGEN FREE COMPLIANT.

38 POS.

 SHELL KEEP OUT AREA

(CONNECTOR & CABLE KEEP OUT AREA)

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

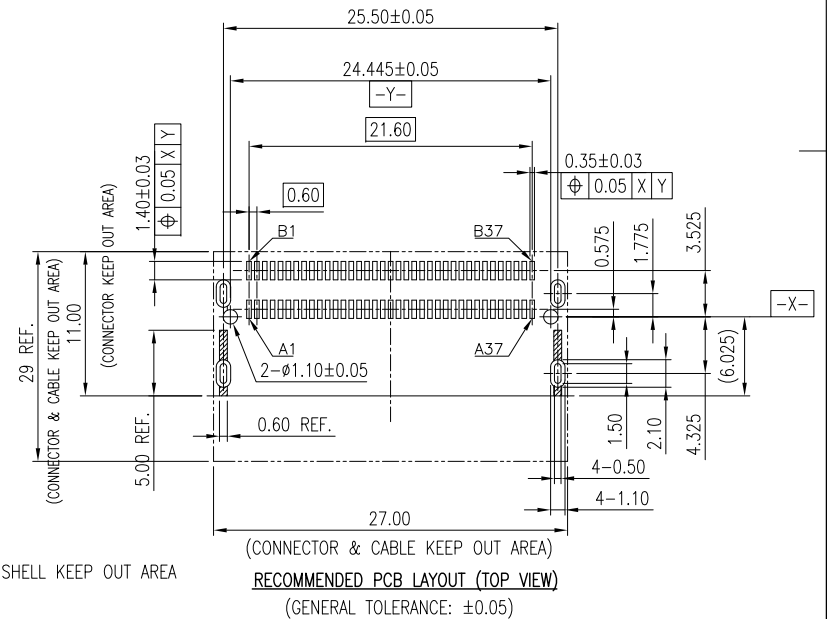
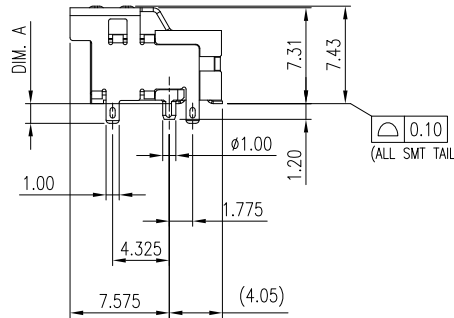
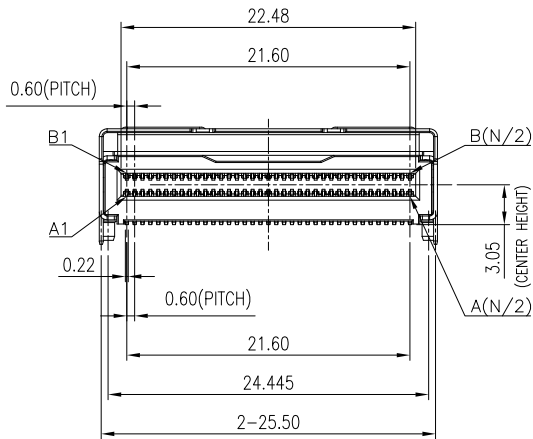
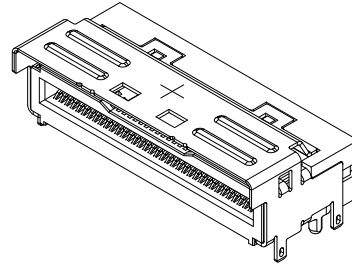
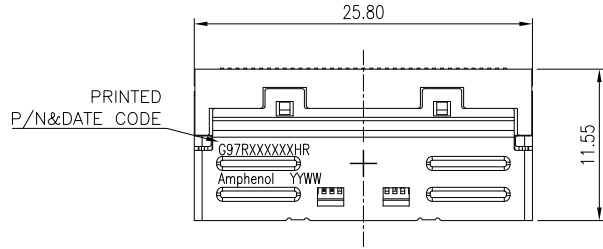
TOLERANCE		DRAWN APPROVALS		DATE		TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation				
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED Sondra Sang		2020/10/16		MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE							
		CHECKED Joan Lu		2020/10/16									
		APPROVED Hank Hsu		2020/10/16									
ANGULAR ±2°		DWG TYPE CUST DWG		PROJECT CODE TXXX				UNIT mm	SIZE A3	PART No. G97 R X 1 X X X X HR			
UNLESS OTHERWISE SPECIFIED						SCALE NA		SHEET 1 OF 7	DWG No. G97RXXXXXXHR		REV. AX13		

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



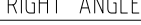
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEP OUT ZONE	2020.10.16	Sondra Sang



74 POS.

SHELL KEEP OUT AREA

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

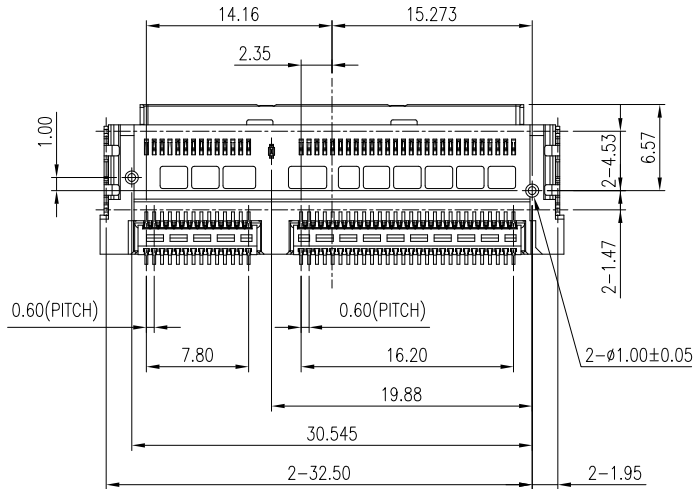
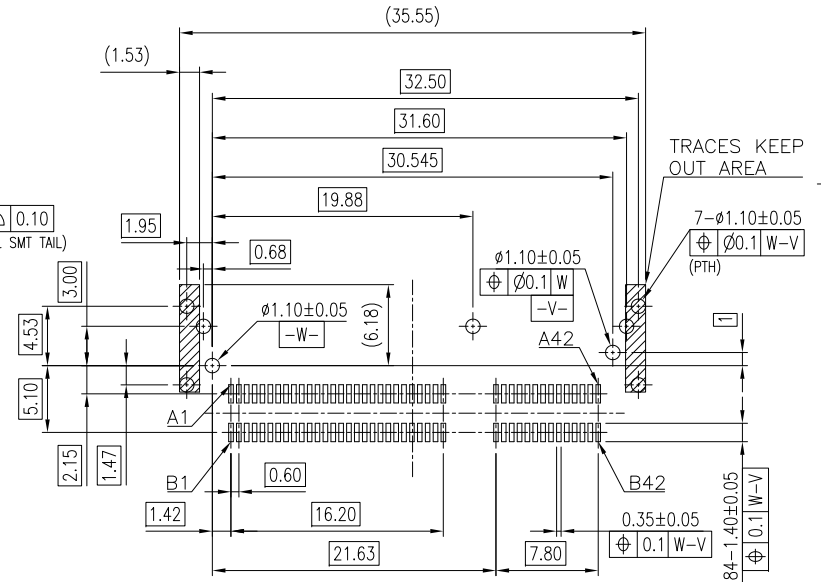
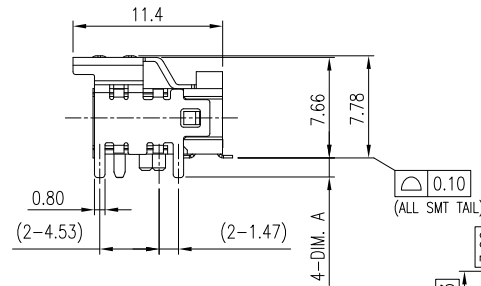
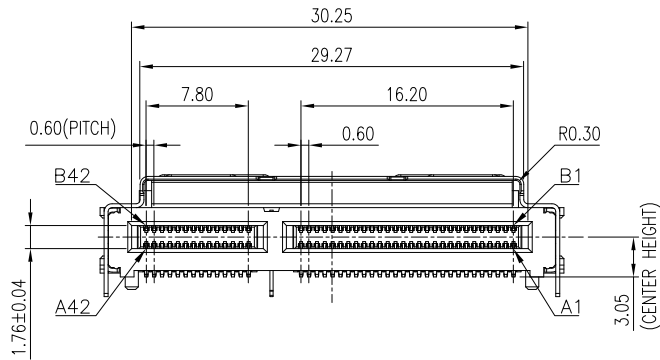
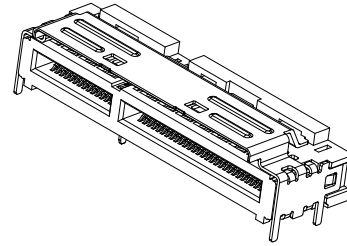
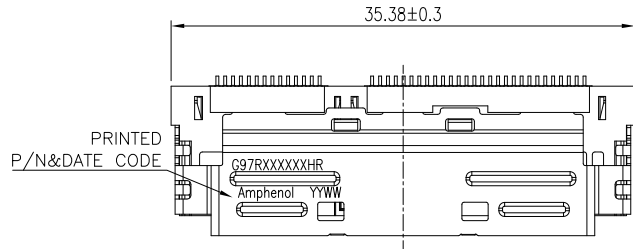
TOLERANCE		DRAWN		DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation					
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGULAR ±2° UNLESS OTHERWISE SPECIFIED		DESIGNED		Sondra Sang	2020/10/16	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE 							
		CHECKED		Joan Lu	2020/10/16								
		APPROVED		Hank Hsu	2020/10/16								
		DWG TYPE		CUST DWG	PROJECT CODE								TXXX
						SCALE	NA	SHEET	2 OF 7	DWG No.	G97RXXXXXHR	REV.	AX13

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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.10.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEP OUT ZONE	2020.10.16	Sondra Sang



84 POS.

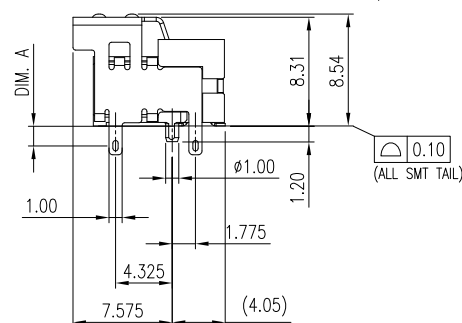
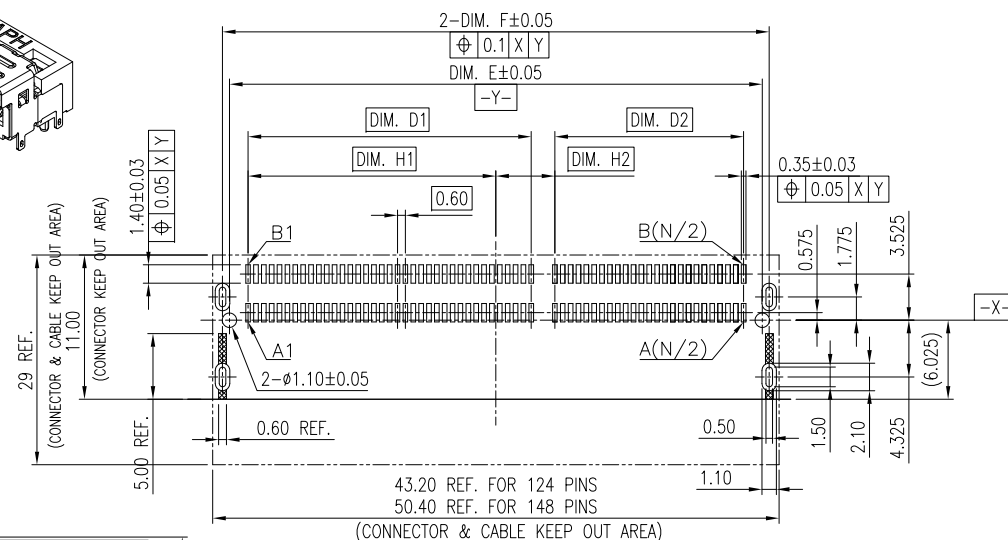
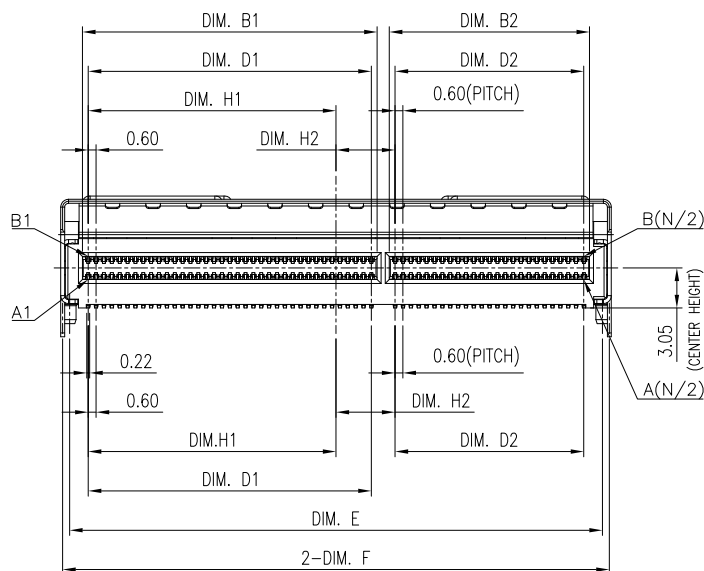
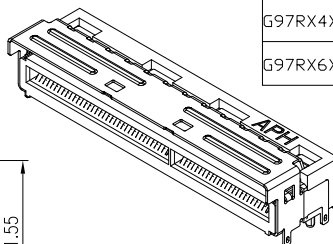
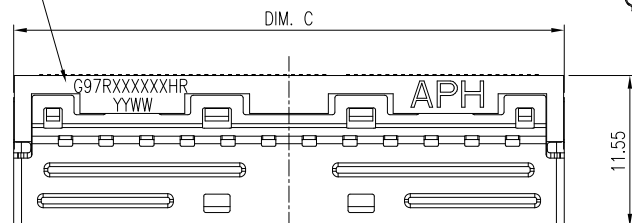
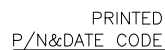
TOLERANCE		DRAWN	APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X.		DESIGNED	Sondra Sang	2020/10/16	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE						
X.X ±0.30		CHECKED	Joan Lu	2020/10/16							
X.XX ±0.20											
X.XXX ±0.10											
ANGULAR ±2°		APPROVED	Hank Hsu	2020/10/16		UNIT mm	SIZE A3	PART No.	G97 R X 7 X X X X HR		
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE TXXX		SCALE NA	SHEET 3 OF 7	DWG No.	G97RXXXXXXHR	REV. AX13	

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



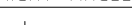
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING/NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PINS, STAND-OFF AND PCB KEEL OUT ZONE	2020.10.16	Sondra Sang

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



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

124 & 148 POS.

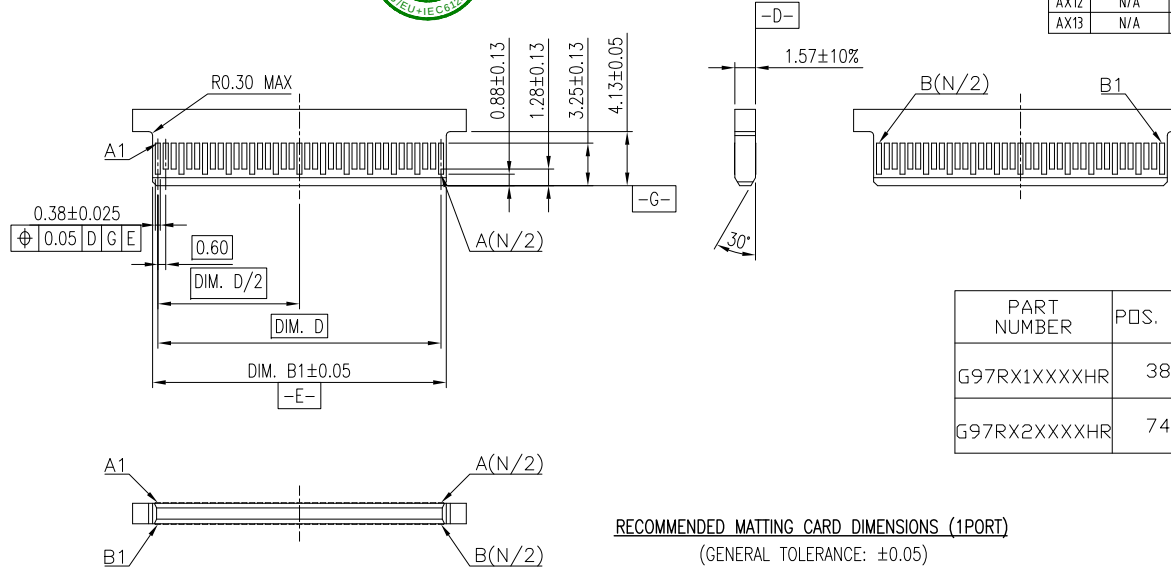
TOLERANCE	DRAWN APPROVALS		DATE	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DESIGNED	Sondra Sang	2020/10/16					
	CHECKED	Joan Lu	2020/10/16					
	APPROVED							
ANGULAR ±2°		Hank Hsu	2020/10/16					
UNLESS OTHERWISE SPECIFIED	DWG TYPE	CUST DWG	PROJECT CODE		UNIT	SIZE	PART No.	
			TXXX		mm	A3	G97 R X X X X X X HR	
					SCALE	SHEET	DWG No.	
					NA	4 OF 7	G97RXXXXXXHR	REV. A13

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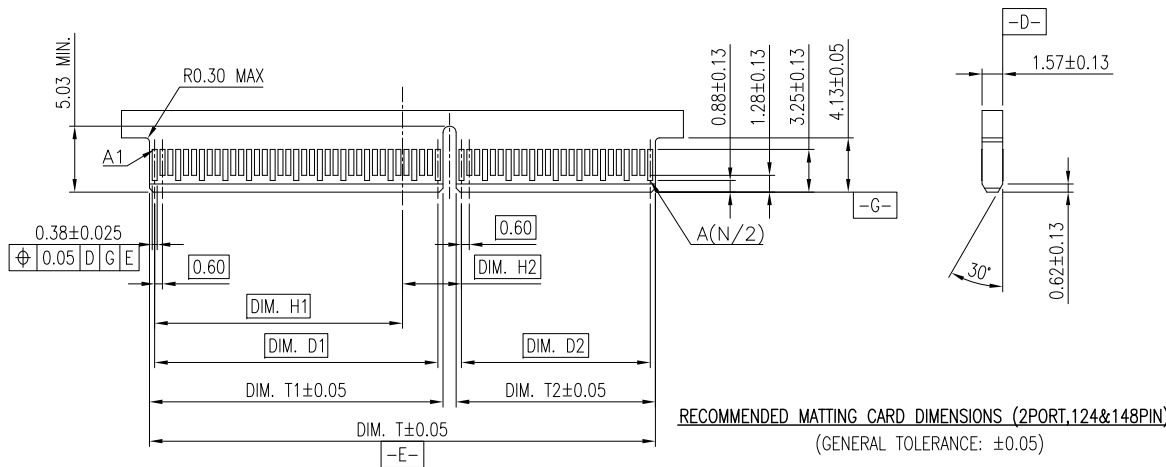
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.



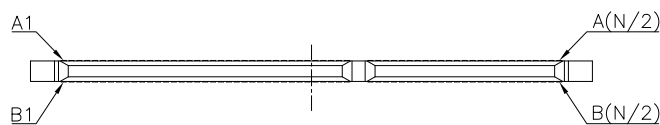
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEP OUT ZONE	2020.10.16	Sondra Sang



PART NUMBER	POS. (N)	DIM. B1	DIM. D
G97RX1XXXXHR	38	11.6	10.80
G97RX2XXXXHR	74	22.4	21.60



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	38.6	22.4	15.2
G97RX6XXXXHR	148	21.60	21.60	22.50	0.90	45.8	22.4	22.4



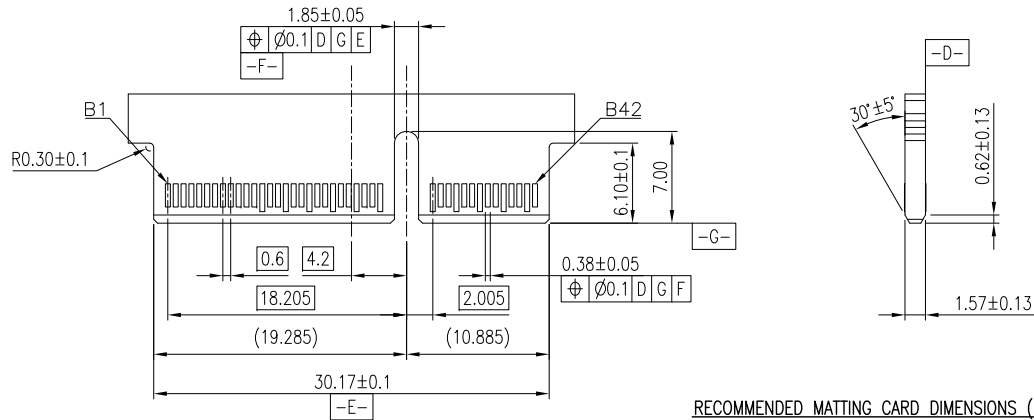
TOLERANCE	DRAWN	APPROVALS	DATE	TITLE	UNIT	SIZE	PART No.
X. ± 0.30 X.X ± 0.20 X.XX ± 0.10 X.XXX	DESIGNED	Sondra Sang	2020/10/16	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE	mm	A3	G97 R X X X X X X HR
ANGULAR $\pm 2^\circ$	CHECKED	Joan Lu	2020/10/16		SCALE	SHEET	DWG No.
UNLESS OTHERWISE SPECIFIED	APPROVED	Hank Hsu	2020/10/16		NA	5 OF 7	G97RXXXXXXHR
	DWG TYPE	CUST DWG	PROJECT CODE	TXXX			REV. AX13

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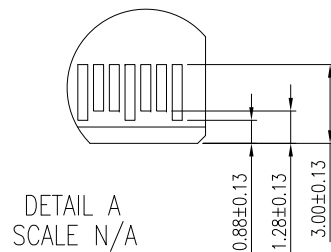
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU for RoHS compliant or per IEC 61249-2-21 for Halogen-Free compliant.

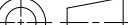


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEP OUT ZONE	2020.10.16	Sondra Sang



RECOMMENDED MATTING CARD DIMENSIONS (2PORT,84PIN)
(GENERAL TOLERANCE: ±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	Sondra Sang	2020/10/16	MINI COOL EDGE IO INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE					
		CHECKED	Joan Lu	2020/10/16						
ANGULAR ±2°		APPROVED	Hank Hsu	2020/10/16			UNIT	SIZE	PART No.	
							mm	A3	G97 R X X X X X X HR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE			SCALE	SHEET	DWG No.	REV.
				TXXX			NA	6 OF 7	G97RXXXXXXHR	AX13

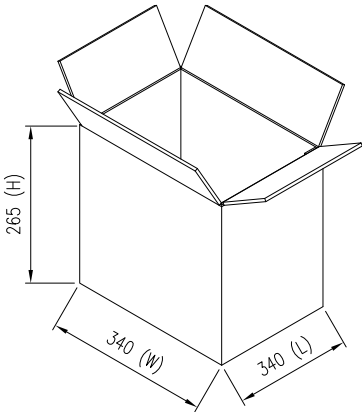
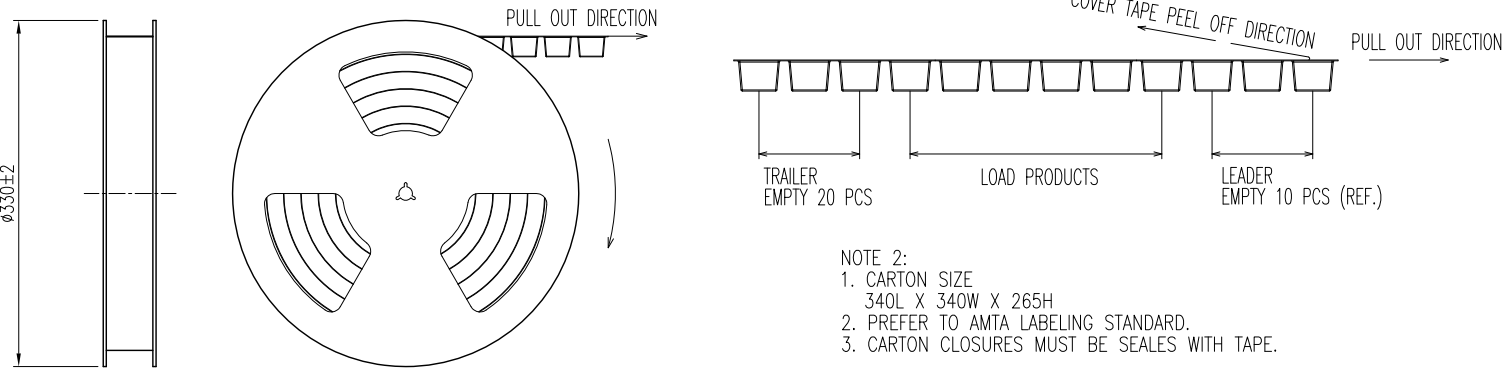
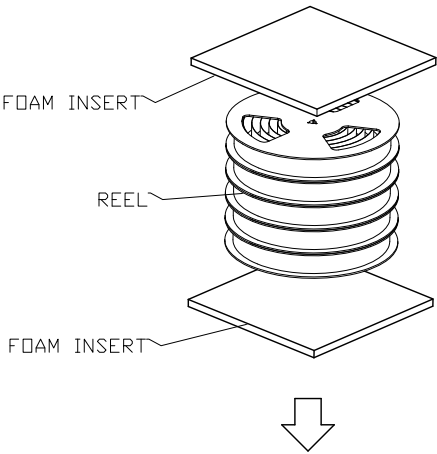
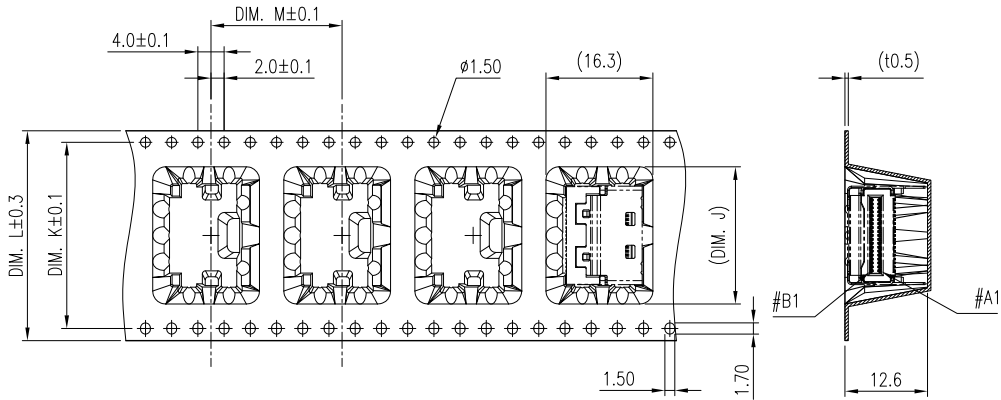
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PART NUMBER	POS. (N)	DIM. J	DIM. K	DIM. L	DIM. M	REEL (PCS)	CARTON (PCS)
G97RX1XXXHR	38	(20.9)	28.40	32.00	20.00	225	1350
G97RX2XXXHR	74	(32.5)	40.40	44.00	20.00	240	960
G97RX7XXXHR	84	(42.6)	52.40	56.00	24.00	180	540
G97RX4XXXHR	124	(39.5)	68.40	72.00	20.00	220	660
G97RX6XXXHR	148	(49.4)	68.40	72.00	20.00	220	660

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX8	N/A	ADDED 84P PN	2019.11.04	IH. LEE
AX9	N/A	CHANGE THE PN DEFINE	2019.11.06	IH. LEE
AX10	N/A	ADDED 148P IN PACKING DRAWING	2019.11.25	Sondra Sang
AX11	N/A	CHANGE THE PRINT AREA/74PIN SHELL PICK UP AREA	2020.02.06	IH. LEE
AX12	N/A	CORRECT DIMENSIONING&NOTES	2020.03.16	IH. LEE
AX13	N/A	MODIFIED PNS, STAND-OFF AND PCB KEEP OUT ZONE	2020.10.16	Sondra Sang

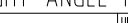


NOTE 1 :

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 HAZRDOUS PER DIRECTIVE 2002/95/EC FOR RoHS.

TOLERANCE		DRAWN	APPROVALS	DATE	TITLE			Amphenol®						
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10		DESIGNED	Sondra Sang	2020/10/16	MINI COOL EDGE 10 INTEGRATED CONNECTOR 0.6 PITCH, RIGHT ANGLE FOR PCIE TYPE			Amphenol Corporation Amphenol Taiwan Corporation						
		CHECKED	Joan Lu	2020/10/16										
		APPROVED	Hank Hsu	2020/10/16										
ANGULAR	±2°	DWG TYPE	CUST DWG	PROJECT CODE	TXXX		UNIT	mm	SIZE	A3	PART No.	G97 R X X X X X X HR		
UNLESS OTHERWISE SPECIFIED							SCALE	NA	SHEET	7 OF 7	DWG No.	G97RXXXXXXHR	REV.	AX13

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