

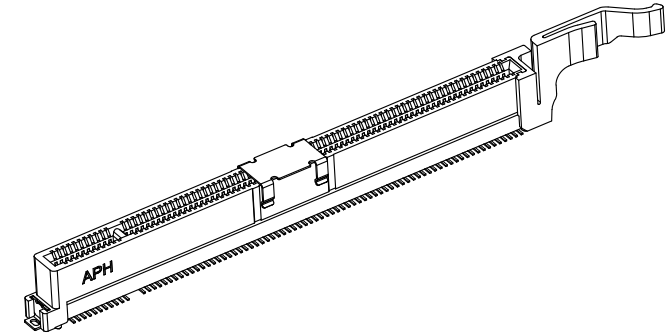
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CUSTOMER DRAWING

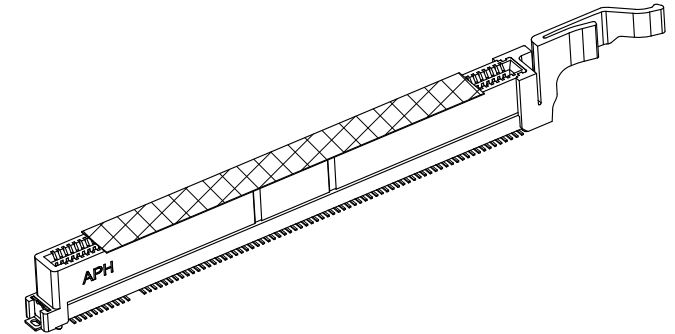
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
3	CDXXXX	ADD PCB KEEP-OUT ZONE	Jun.09,2020	YH
4	CDXXXX	OPTIMIZED LATCH DESIGN	Sep.28,2020	YH
5	CD2387	DETAILED THE PN SYSTEM	Dec.22,2020	YH

NOTE:

- MATERIAL:**
HOUSING: HIGH TEMPERATURE THERMOPLASTIC; BLACK UL94-V0;HALOGEN FREE
CONTACT: COPPER ALLOY
BOARDLOCK: SPCC
- PLATING:**
CONTACT: MATING AREA: SEE PLATING SPEC OVER 1.27-2.54 UM NICKEL UNDERPLATED
SOLDER AREA: 2.54 UM MIN TIN OVER 1.27-2.54 UM NICKEL UNDERPLATED
BOARDLOCK: 2.54UM MIN TIN OVER 1.27-2.54UM NICKEL UNDERPLATED
- ELECTRICAL PERFORMANCE:**
RATED CURRENT FOR SIGNAL PIN: 0.7A/PIN;
RATED CURRENT FOR POWER PIN: 1.1A/PIN(A2/A3/A9/A10/B1/B2/B3/B8,TOTAL 8PIN).
- MATERIAL IS COMPLIANT TO RoHS
- TRANSMISSION SPEED:**
PCIe GEN 4/16Gbps : OPEN PIN FIELD DESIGN
PCIe GEN 5/32Gbps : CONFORM TO PCIe CEM SPECIFICATION
- MOISTURE SENSITIVITY LEVEL:1.
- ORDERING PART NUMBER: REFER TO THE PART NUMBER SYSTEM



VIEW WITH CAP



VIEW WITH MYLAR

PART NUMBER SYSTEM

CEE0164X1140XX X

PIN COUNT

164

CAP & MYLAR

0 CAP

1 MYLAR

PACKING TRAY

0 322.6x135.9MM;T2.0MM

PLATING SPEC

1 0.76um (30u'') Au

2 0.38um (15u'')Au

3 GOLD FLASH

4 GXT

TRANSMISSION SPEED

0 PCIe GEN5 / 32Gbps

1 PCIe GEN4 / 16Gbps

SOLDER TAIL LENGTH

2 STD TAIL

3 SHORTER TAIL

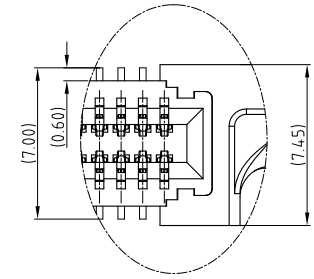
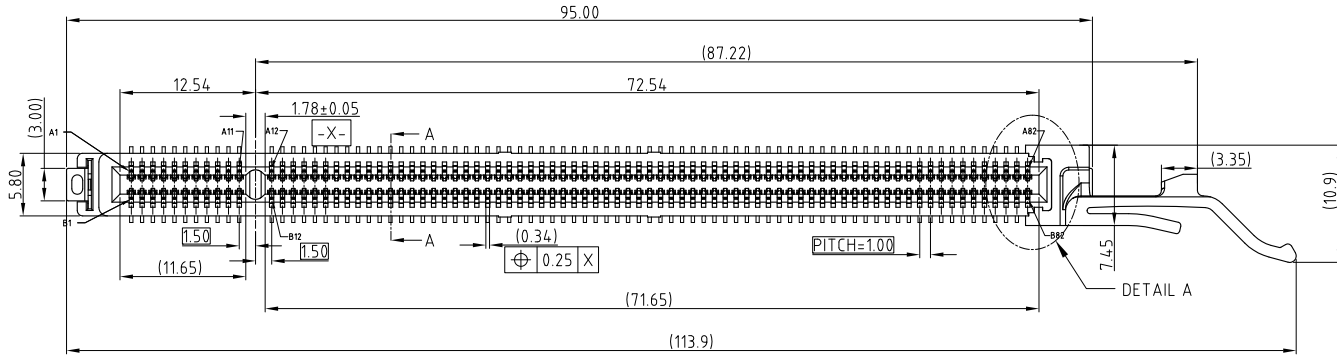


UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.25 .XX +/- 0.20 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES	APPROVAL		DATE	Amphenol TITLE Cool Edge Connector 1.0mm pitch;PCIe X16;32&16G SIZE DRAWING NO. A3 C CEE0164X1140XXX SCALE NONE SHEET 1 OF 5
	DRAWN	Jun.Fan	Dec.22,2020	
	CHECKED			
	APPROVED			
REMOVE SHARP EDGES	ANGLE OF PROJECTION			
DIMENSIONS				
U.S. INCHES				
METRIC (mm)				

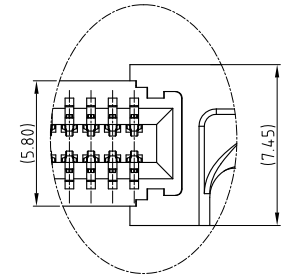
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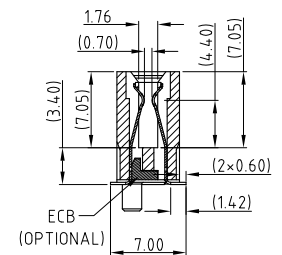
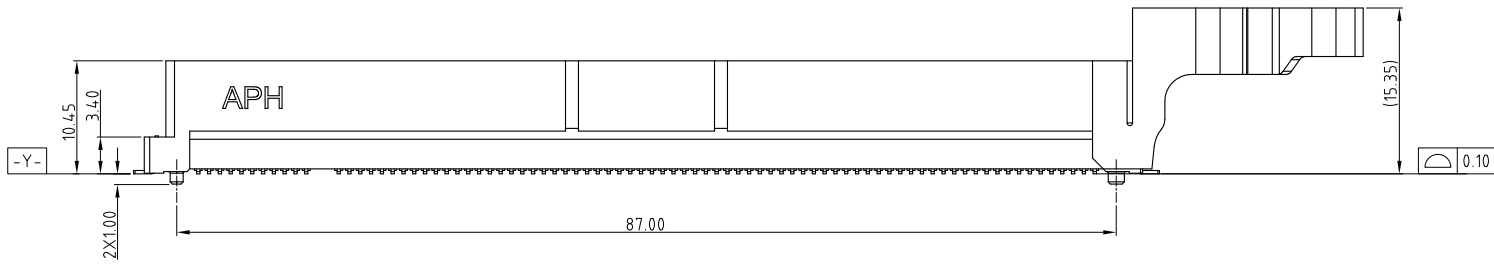
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED



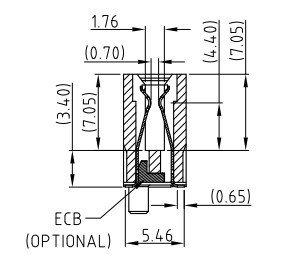
DETAIL A
SCALE 2:1
(STD TAIL)



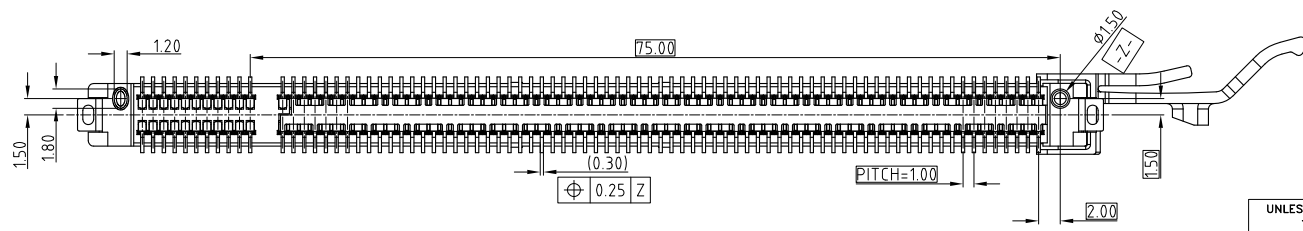
DETAIL A
SCALE 2:1
(SHORTER TAIL)



SECTION A-A
(STD TAIL)



SECTION A-A
(SHORTER TAIL)



UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X	+/-	0.25
.XX	+/-	0.20
.XXX	+/-	0.15
FRACTIONS	+/-	5'
ANGLES	+/-	5'

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES	ANGLE OF PROJECTION
DIMENSIONS	
—U.S.—	INCHES
(METRIC)	(mm)

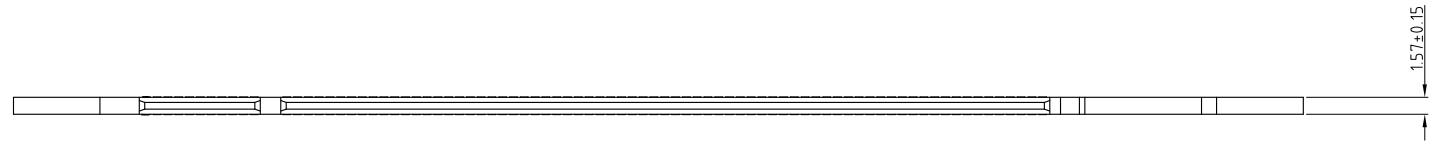
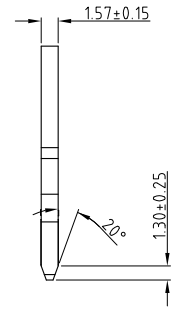
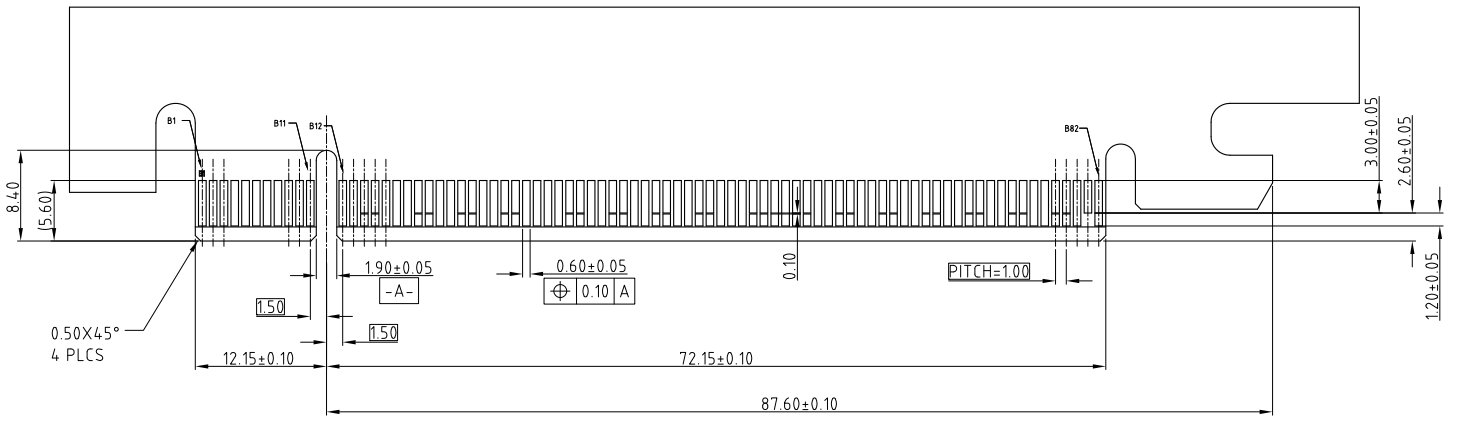
APPROVAL	DATE
DRAWN Jun.Fan	Dec.22,2020
CHECKED	
APPROVED	
DRAWING FILE :	
INTERNAL_DRAWING_CEE_C_CEE0164X1140XXX	

Amphenol		
TITLE Cool Edge Connector		
1.0mm pitch;PCle X16;32&16G		
SIZE	DRAWING NO.	REV.
A3	C CEE0164X1140XXX	6
SCALE	NONE	SHEET 2 OF 5

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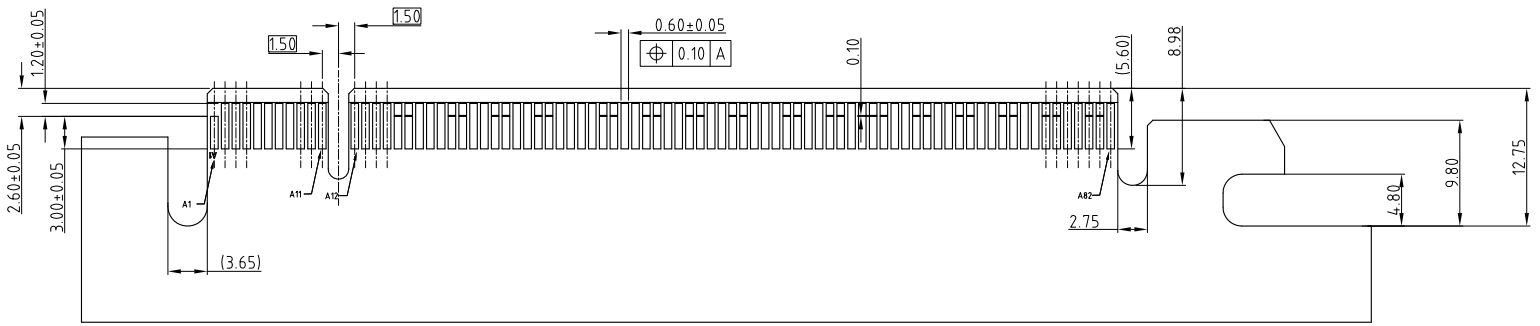
CUSTOMER DRAWING

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SYM	ECN	DESCRIPTION	DATE	APPROVED



NOTE 8:
GND PIN DEFINITION

SIDE A GND PIN	A12,A15,A18,A20,A23,A24,A27,A28,A31,A34,A37, A38,A41,A42,A45,A46,A49,A51,A54,A55,A58,A59, A62,A63,A66,A67,A70,A71,A74,A75,A78,A79,A82
SIDE B GND PIN	B13,B16,B18,B21,B22,B25,B26,B29,B32,B35,B36,B39, B40,B43,B44,B47,B49,B52,B53,B56,B57,B60,B61,B64, B65,B68,B69,B72,B73,B76,B77,B80



RECOMMENDED LAY OUT FOR MATING CARD, THICKNESS=1.57mm
GENERAL TOLERANCE ±0.05



UNLESS OTHERWISE SPECIFIED TOLERANCES	
U.S.	METRIC
.X +/-	0.10
.XX +/-	0.05
.XXX +/-	0.03
FRACTIONS +/-	0.03
ANGLES +/-	5°

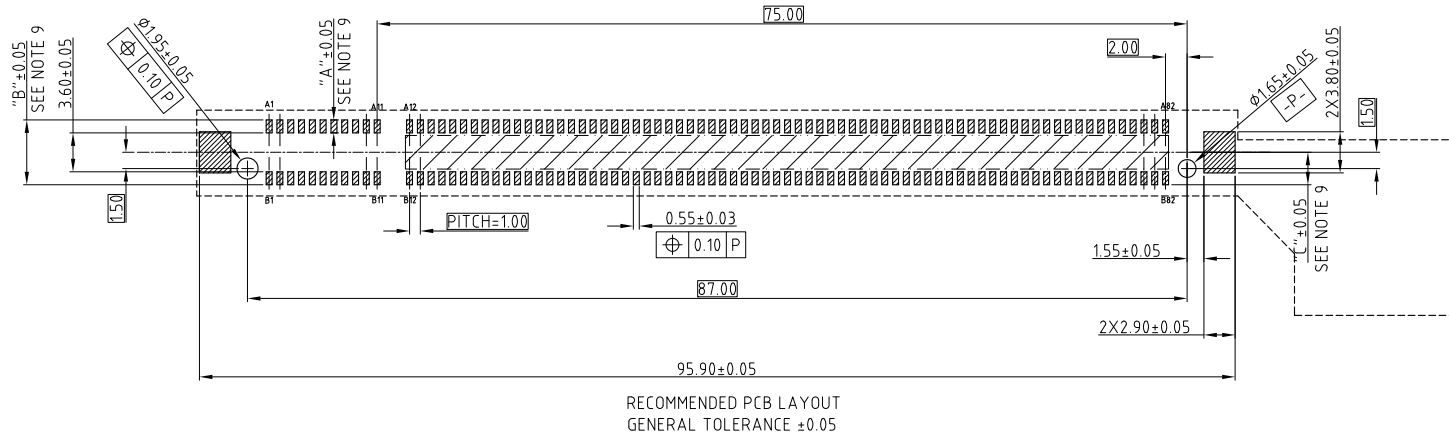
APPROVAL		DATE
DRAWN	Jun.Fan	Dec.22,2020
CHECKED		
APPROVED		
DRAWING FILE :		
INTERNAL_DRAWING\CEV_C_CEE0164X1140XXX		
REMOVE SHARP EDGES		
DIMENSIONS		
—U.S.—	INCHES	
(METRIC)	(mm)	
ANGLE OF PROJECTION		

Amphenol		
TITLE Cool Edge Connector		
1.0mm pitch; PCIe X16; 32&16G		
SIZE	DRAWING NO.	REV.
A3	C CEE0164X1140XXX	6
SCALE	NONE	SHEET 3 OF 5

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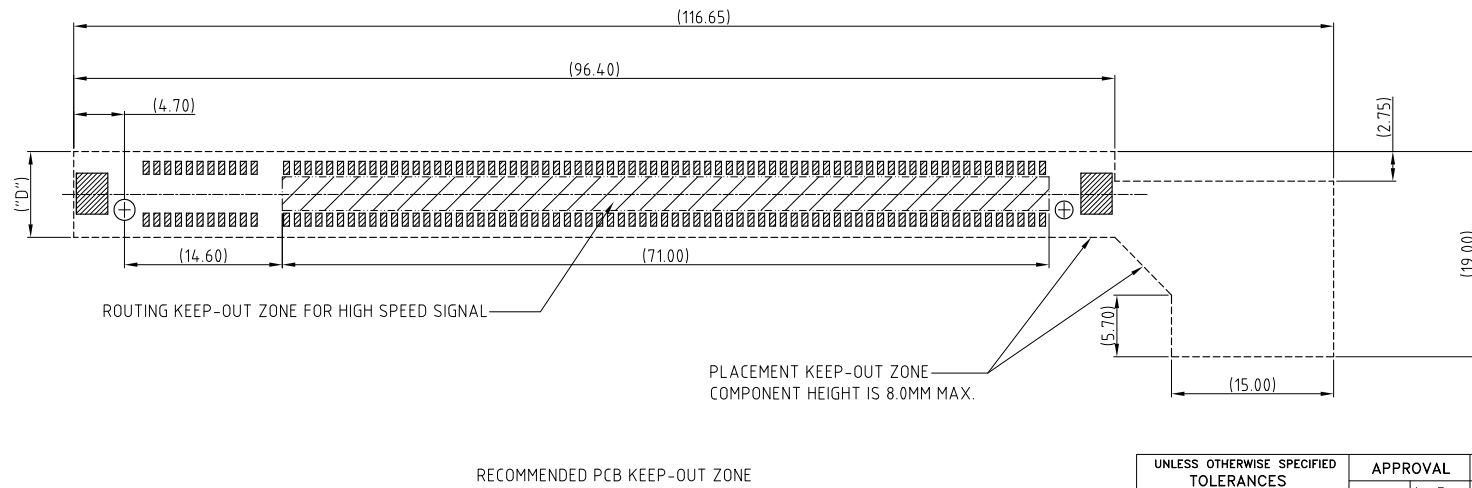
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED



NOTE 9:
RECOMMENDED PCB DIMENSION FOR DIFFERENT SOLDER TAIL

	A	B	C	D
SHORTER TAIL	1.20	6.00	3.00	6.55
STD TAIL	1.90	7.40	3.70	7.95



UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
X	+/-	0.10
.XX	+/-	0.05
.XXX	+/-	0.03
FRACTIONS	+/-	
ANGLES	+/-	5°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES	ANGLE OF PROJECTION
DIMENSIONS	
—U.S.—	INCHES
(METRIC)	(mm)

APPROVAL	DATE
DRAWN Jun.Fan	Dec.22,2020
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APPROVED	
DRAWING FILE :	
INTERNAL_DRAWING\CEV_C_CEE0164X1140XXX	

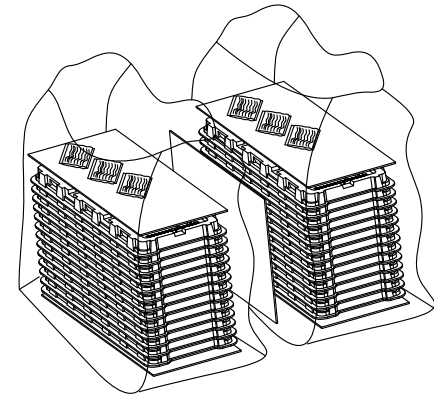
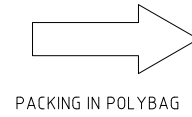
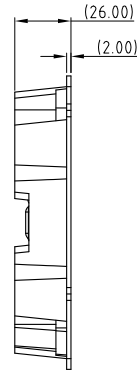
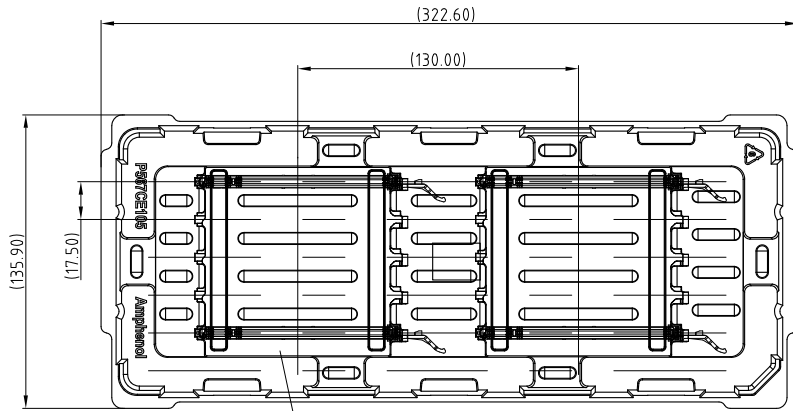
Amphenol		
TITLE Cool Edge Connector		
1.0mm pitch;PCle X16;32&16G		
SIZE	DRAWING NO.	REV.
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SCALE	NONE	SHEET 4 OF 5



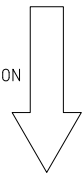
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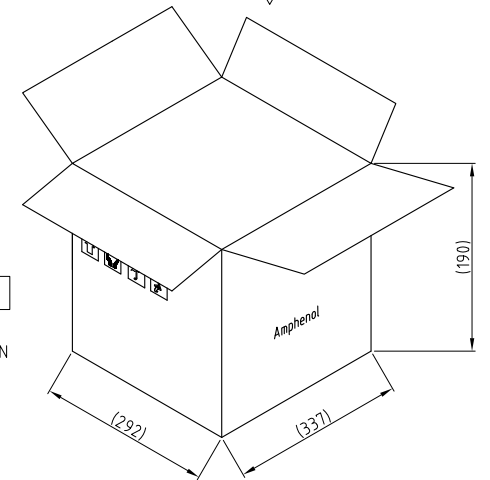
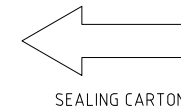
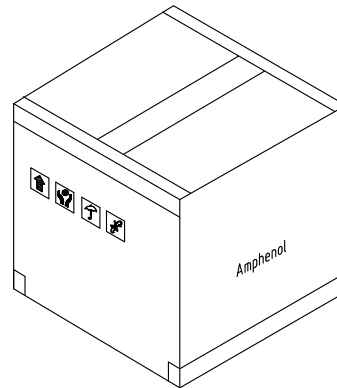


PUT INTO CARTON



NOTE:

1. TRAY MATERIAL:
ANTI-STATIC PS ,BLACK,T=2.00±0.05MM
2. PACKING TRAY SIZE (L×W) :322.6×135.9MM
3. PACKING QTY: 10PCS / TRAY
160PCS / CARTON



PACKING TRAY
0 322.6×135.9MM;T2.0MM



UNLESS OTHERWISE SPECIFIED TOLERANCES	
U.S.	METRIC
.X +/-	3.0
.XX +/-	2.0
.XXX +/-	/
FRACTIONS +/-	/
ANGLES +/-	5°
FOR MATERIALS AND FINISHES SEE NOTES	
REMOVE SHARP EDGES	
DIMENSIONS	
—U.S.—	INCHES
(METRIC)	(mm)

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ANGLE OF PROJECTION	

Amphenol		
TITLE Cool Edge Connector		
1.0mm pitch;PCIe X16;32&16G		
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A3	C CEE0164X1140XXX	6
SCALE	NONE	SHEET 5 OF 5