

CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
13	CD1702	ADD PICK UP CAP	Apr.26,2019	YH
14	CDXXXX	ADD CORE OUT ON PAGE 8	Dec.27,2019	YH
15	CD2021	ADD PLATING OPTION	Mar.13,2020	YH
16	ELX-CD-42678-1	ADD RECOMMEND GF FOR PCIE GEN 5	Oct.25,2021	YH
17	CDXXXX	REVISE 20PIN & 120PIN PICK UP TYPE	Aug.02,2022	YH

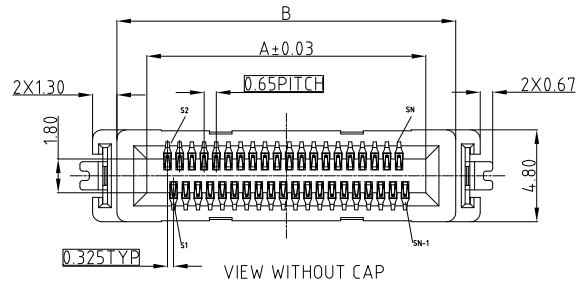
PN SYSTEM:

SE 1 X XXX 2311111 X

SIGNAL PIN
020: 20PINS
040: 40PINS
....
200: 200PINS

POWER PIN
0: 0PINS
4: 4PINS
8: 8PINS
B: 12PINS

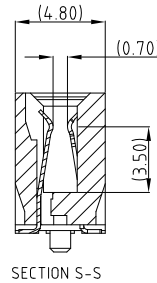
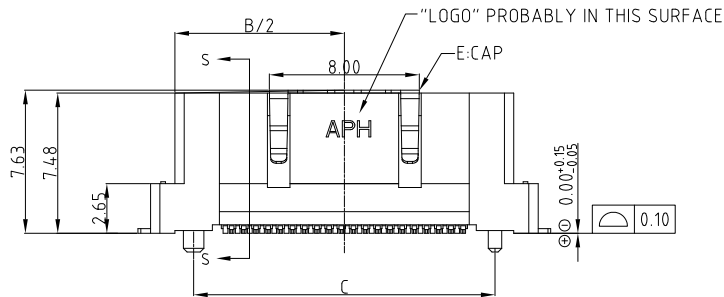
PLATING SPEC
1 0.76um Au
2 0.38um Au
3 GOLD FLASH
4 GXT
5 GXT+



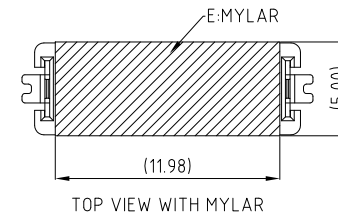
VIEW WITHOUT CAP

PIN COUNT	DIMENSION				MYLAR/CAP
N	A	B	C	D	E
20	8.375	11.575	9.575	8.275	MYLAR
40	14.875	18.075	16.075	14.775	CAP

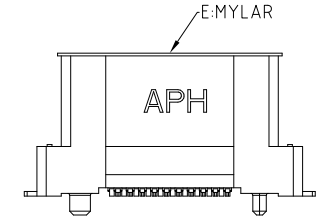
DIM SHEET FOR SIGNAL ONLY WITHOUT KEY



SECTION S-S

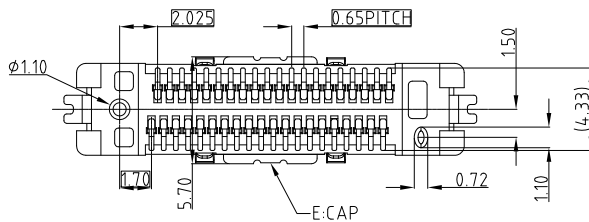


TOP VIEW WITH MYLAR



NOTE:

- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94-V0
SIGNAL CONTACT: COPPER ALLOY
BOARD LOCK: COPPER ALLOY
PICK UP CAP: SUS
- PLATING:
SIGNAL CONTACT :
MATING AREA: REFER TO PN SYSTEM OVER 1.27-2.54 UM NICKEL UNDERPLATED
SOLDER AREA: 1.27UM MIN MATTE TIN OVER 1.27-2.54 UM NICKEL UNDERPLATED
BOARD LOCK : 1.27UM MIN MATTE TIN OVER 1.27-2.54 UM NICKEL UNDERPLATED
- ELECTRICAL PERFORMANCE:
RATED CURRENT FOR SIGNAL PIN: PLEASE REFER TO APPLICATION SPEC
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC # SSN002
- ORDER P/N : REFER TO PN SYSTEM



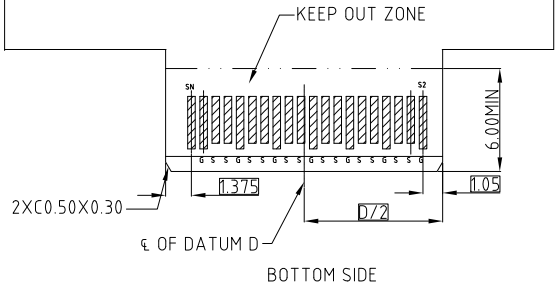
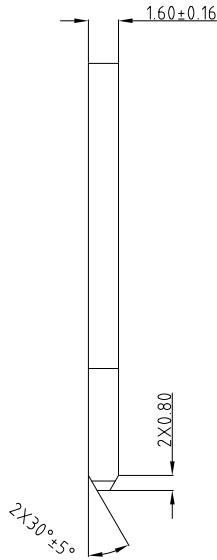
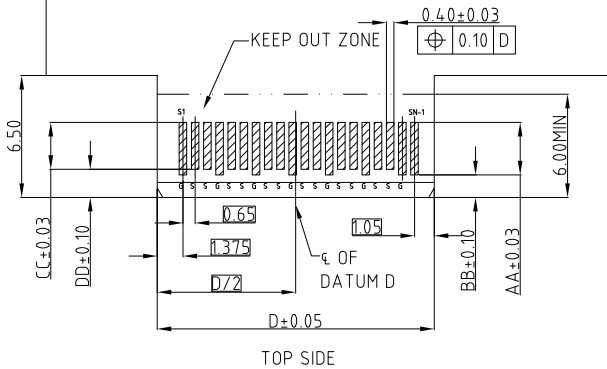
SIGNAL ONLY WITHOUT KEY

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC . X +/- 0.25 . XX +/- 0.20 . XXX +/- 0.20 FRACTIONS ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES		APPROVAL		DATE		Amphenol	
		DRAWN	HACHI	Aug.02,2022			
		CHECKED					
		APPROVED					
REMOVE SHARP EDGES		DRAWING FILE :		TITLE			
DIMENSIONS		ANGLE OF PROJECTION		SLIM COOL EDGE 0.65MM PITCH			
—U.S.— (METRIC)		INCHES (mm)		SIZE	DRAWING NO.		REV.
				A3C SE1XXXX2311111X		17	
				SCALE	NONE		SHEET 1 OF 9

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



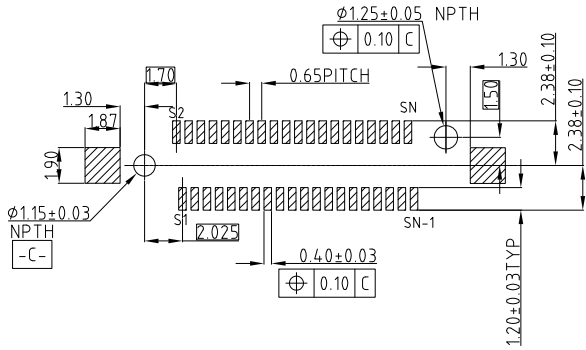
RECOMMEND LAYOUT FOR MATING CARD
GENERAL TOLERANCE ±0.10

RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.80	1.20	2.50	1.50
100	2.30	1.70	2.00	2.00

APPLY FOR PCIE GEN 4 OR BELOW

RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.00	2.00	2.00	2.00

APPLY FOR PCIE GEN 5



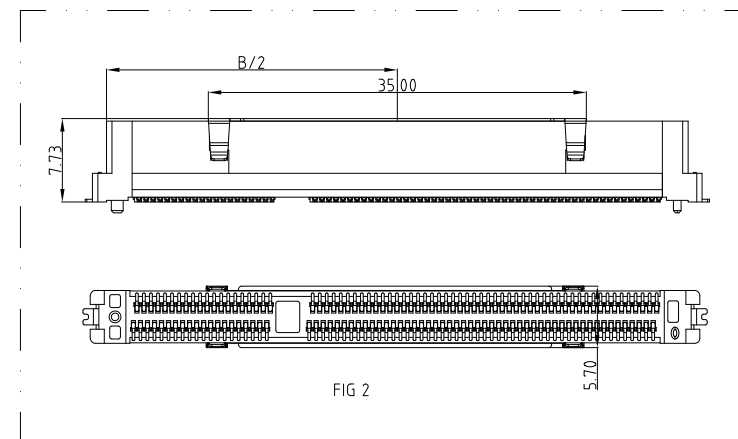
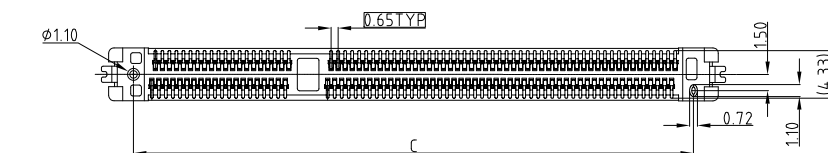
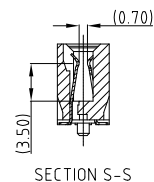
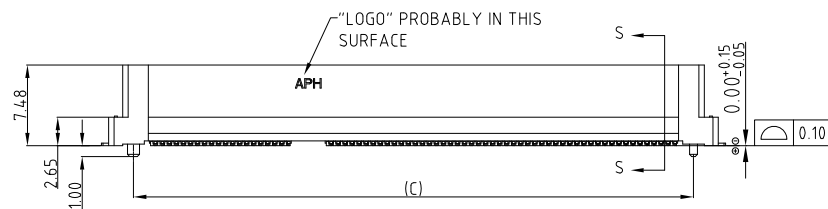
RECOMMEND LAYOUT FOR SOLDER PCB
GENERAL TOLERANCE ±0.10

PCB LAYOUT FOR SIGNAL ONLY WITHOUT KEY



UNLESS OTHERWISE SPECIFIED TOLERANCES <table><tr><td>U.S.</td><td>METRIC</td></tr><tr><td>.X +/-</td><td>0.25</td></tr><tr><td>.XX +/-</td><td>0.20</td></tr><tr><td>.XXX +/-</td><td>0.20</td></tr><tr><td>FRACTIONS +/-</td><td></td></tr><tr><td>ANGLES +/-</td><td>5°</td></tr></table> FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS <table><tr><td>U.S.</td><td>INCHES</td></tr><tr><td>(METRIC)</td><td>(mm)</td></tr></table>		U.S.	METRIC	.X +/-	0.25	.XX +/-	0.20	.XXX +/-	0.20	FRACTIONS +/-		ANGLES +/-	5°	U.S.	INCHES	(METRIC)	(mm)	APPROVAL DRAWN HACHI CHECKED APPROVED		DATE Aug.02.2022		Amphenol TITLE SLIM COOL EDGE 0.65MM PITCH	
		U.S.	METRIC																				
		.X +/-	0.25																				
		.XX +/-	0.20																				
.XXX +/-	0.20																						
FRACTIONS +/-																							
ANGLES +/-	5°																						
U.S.	INCHES																						
(METRIC)	(mm)																						
DRAWING FILE :		INTERNAL\DRAWING\CE\C SE1XXXX2311111X																					
ANGLE OF PROJECTION																							
SIZE		DRAWING NO.																					
A3C		SE1XXXX2311111X		REV.		17																	
SCALE		NONE		SHEET 2		OF 9																	

REVISIONS

SEE SHEET 1Amphenol

TITLE	SLIM COOL EDGE 0.65MM PITCH
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SIZE	DRAWING NO.	REV.
A3	C SE1XXXX2311111X	1

SCALE	NONE	SHEET 3 OF 9
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REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVE
		SEE SHEET 1		



BOTTOM SIDE

APPLY FOR PCIE GEN 4 OR BELOW



APPLY FOR PCIE GEN 5

Amphenol

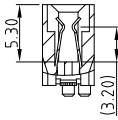
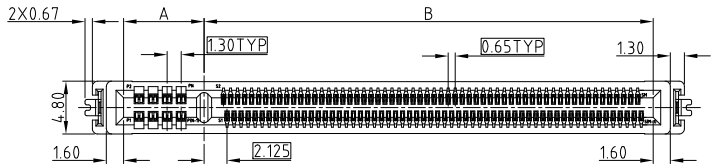
TITLE	SLIM COOL EDGE 0.65MM PITCH
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SIZE	DRAWING NO.	REV.
A3	C SE1XXXX2311111X	1
SCALE	NONE	SHEET 4 OF 9

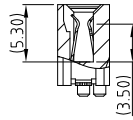
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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



SECTION S-S



SECTION T-T

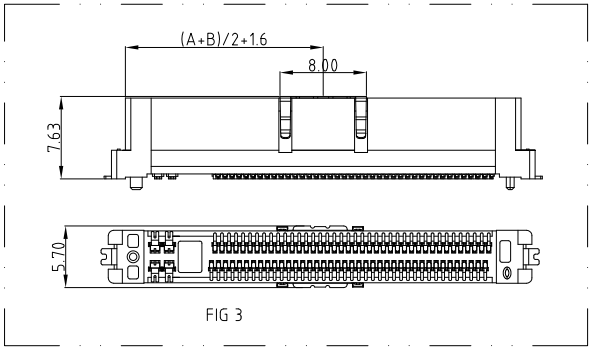


FIG 3

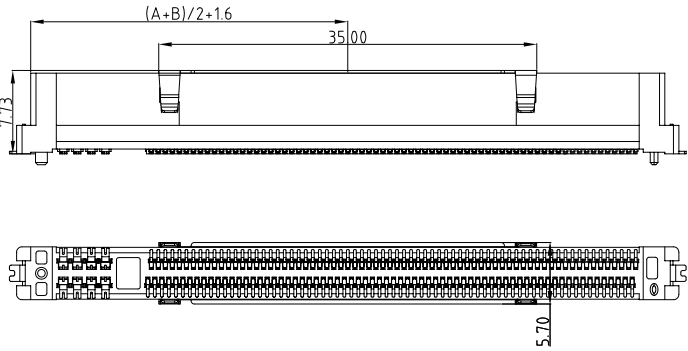
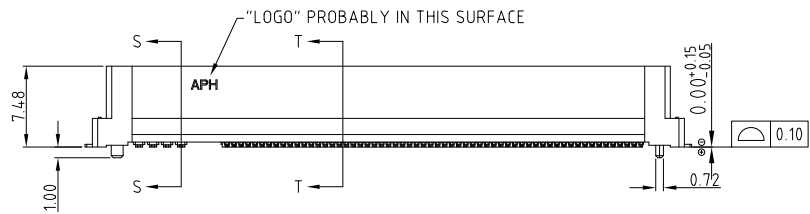
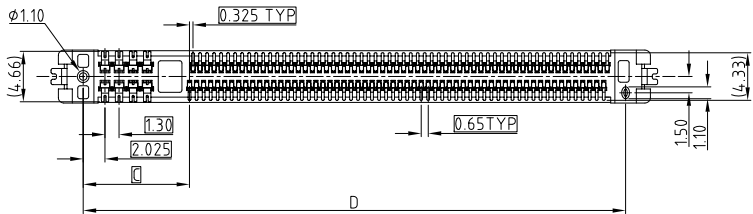


FIG 4



HYBRID(POWER+SIGNAL)
VIEW WITHOUT CAP AND FIX FEATURE



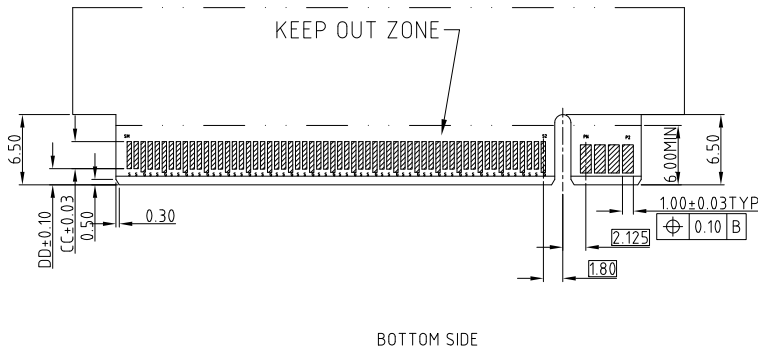
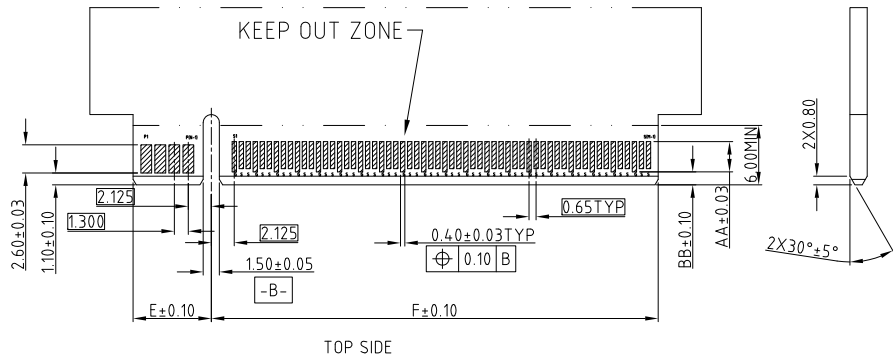
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S.	METRIC	DRAWN	HACHI
.X	+/-		Aug.02,2022
.XX	+/-	CHECKED	
.XXX	+/-	APPROVED	
FRACTIONS	+/-		
ANGLES	+/-		
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :	
REMOVE SHARP EDGES		INTERNAL\DRAWING\CE\C SE1XXXX2311111X	
DIMENSIONS		ANGLE OF PROJECTION	
U.S.	INCHES		
(METRIC)	(mm)		

Amphenol			
TITLE			
HYBRID SLIM COOL EDGE 0.65MM PITCH			
SIZE	DRAWING NO.	REV.	
A3	C SE1XXXX2311111X	17	
SCALE	NONE	SHEET 5 OF 9	

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CUSTOMER DRAWING

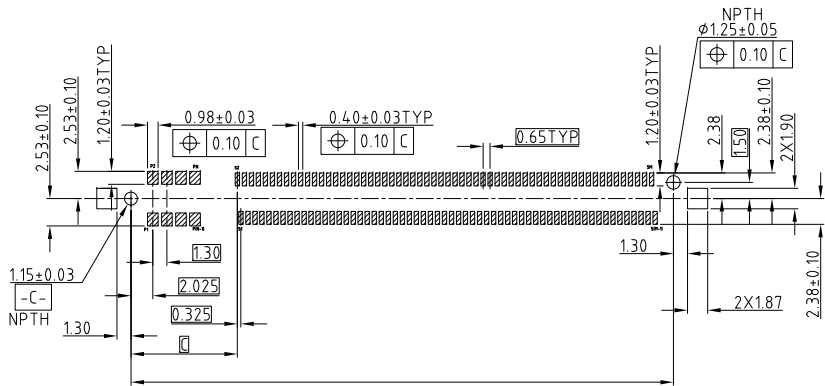
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



RECOMMENDED LAY OUT FOR MATING CARD, T=1.60±0.16
GENERAL TOLERANCE ±0.10

RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.80	1.20	2.50	1.50
100	2.30	1.70	2.00	2.00

USED FOR PCIE GEN 4 OR BELOW



RECOMMENDED FOOTPRINT LAYOUT
GENERAL TOLERANCE ±0.10

RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.00	2.00	2.00	2.00

USED FOR PCIE GEN 5

PCB LAYOUT FOR HYBRID(POWER+SIGNAL)



UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC X +/- 0.3 .XX +/- 0.20 .XXX +/- 0.20 FRACTIONS +/- ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES (METRIC) (mm)		APPROVAL		DATE	Amphenol	
		DRAWN	HACHI	Aug.02,2022		
		CHECKED				
		APPROVED				
		DRAWING FILE :		INTERNAL_DRAWING_CEC SE1X000231111X	TITLE	
		ANGLE OF PROJECTION			HYBRID SLIM COOL EDGE 0.65MM PITCH	
		SIZE		DRAWING NO.	REV.	
		A3		C SE1XXXX231111X	17	
		SCALE		NONE	SHEET 6	OF 9

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

PIN COUNT		DIMENSION						CAP TYPE
N(POWER)	M(SIGNAL)	A	B	C	D	E	F	
4	20	4.850	9.075	7.250	15.125	4.650	8.875	FIG 3
	40	4.850	15.575	7.250	21.625	4.650	15.375	
	60	4.850	22.075	7.250	28.125	4.650	21.875	
	80	4.850	28.575	7.250	34.625	4.650	28.375	
	100	4.850	35.075	7.250	41.125	4.650	34.875	
	120	4.850	41.575	7.250	47.625	4.650	41.375	
	140	4.850	48.075	7.250	54.125	4.650	47.875	FIG 4
	160	4.850	54.575	7.250	60.625	4.650	54.375	

PIN COUNT		DIMENSION						CAP TYPE
N(POWER)	M(SIGNAL)	A	B	C	D	E	F	
8	20	7.450	9.075	9.850	17.725	7.250	8.875	FIG 3
	40	7.450	15.575	9.850	24.225	7.250	15.375	
	60	7.450	22.075	9.850	30.725	7.250	21.875	
	80	7.450	28.575	9.850	37.225	7.250	28.375	
	100	7.450	35.075	9.850	43.725	7.250	34.875	
	120	7.450	41.575	9.850	50.225	7.250	41.375	
	140	7.450	48.075	9.850	56.725	7.250	47.875	FIG 4
	160	7.450	54.575	9.850	63.225	7.250	54.375	

PIN COUNT		DIMENSION						CAP TYPE
N(POWER)	M(SIGNAL)	A	B	C	D	E	F	
12	20	10.050	9.075	12.450	20.325	9.850	8.875	FIG 3
	40	10.050	15.575	12.450	26.825	9.850	15.375	
	60	10.050	22.075	12.450	33.325	9.850	21.875	
	80	10.050	28.575	12.450	39.825	9.850	28.375	
	100	10.050	35.075	12.450	46.325	9.850	34.875	
	120	10.050	41.575	12.450	52.825	9.850	41.375	
	140	10.050	48.075	12.450	59.325	9.850	47.875	FIG 4
	160	10.050	54.575	12.450	65.825	9.850	54.375	

DIM SHEET FOR HYBRID(POWER+SIGNAL)



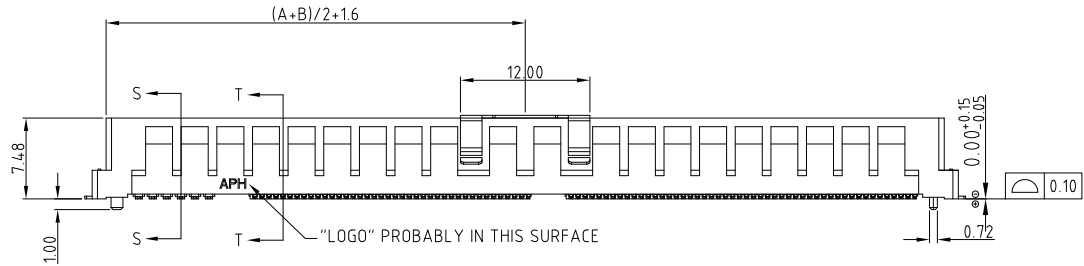
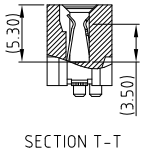
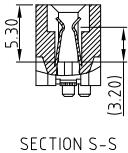
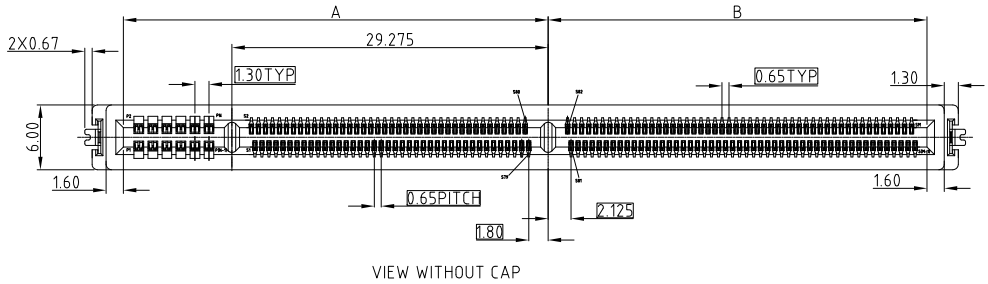
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol			
U.S.		DRAWN	HACHI	Aug.02,2022					
METRIC		CHECKED							
		APPROVED							
.X +/- 0.3		DRAWING FILE : INTERNAL\DRAWING\CE\C SE1XXXX2311111X				TITLE HYBRID SLIM COOL EDGE 0.65MM PITCH			
.XX +/- 0.20									
.XXX +/- 0.20						SIZE A3			
FRACTIONS +/-									
ANGLES +/- 5°						DRAWING NO. C SE1XXXX2311111X			
FOR MATERIALS AND FINISHES SEE NOTES									
REMOVE SHARP EDGES		ANGLE OF PROJECTION				SCALE NONE			
DIMENSIONS									
U.S. INCHES						REV. 17			
(METRIC) (mm)									
						SHEET 7 OF 9			

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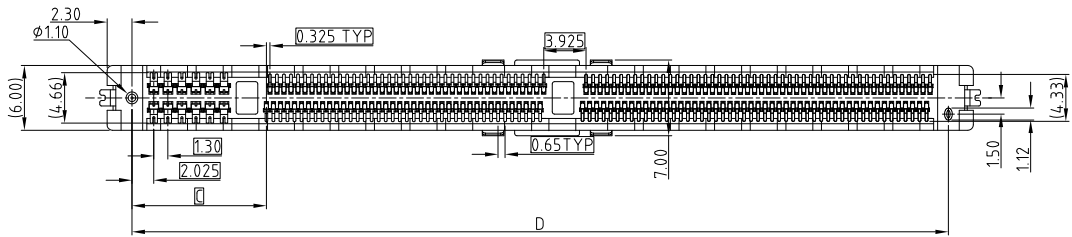
CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



PIN COUNT		DIMENSION					
N(POWER)	M(SIGNAL)	A	B	C	D	E	F
4	180	34.125	35.075	7.250	70.400	33.925	34.875
	200	34.125	41.575	7.250	76.900	33.925	41.375
8	180	36.725	35.075	9.850	73.000	36.525	34.875
	200	36.725	41.575	9.850	79.500	36.525	41.375
12	180	39.325	35.075	12.450	75.600	39.125	34.875



HYBRID(POWER+SIGNAL)



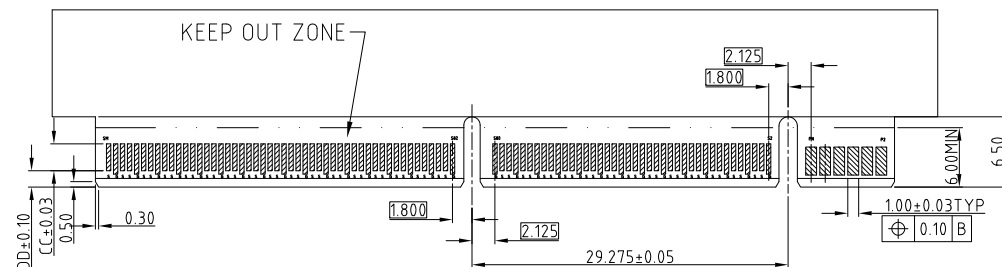
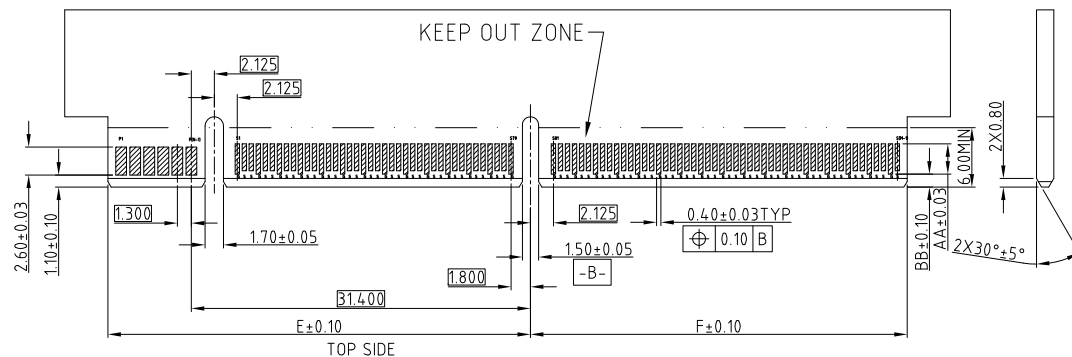
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S.	METRIC	DRAWN	HACHI
.X +/-	0.3	CHECKED	Aug.02,2022
.XX +/-	0.20	APPROVED	
.XXX +/-	0.20		
FRACTIONS +/-			
ANGLES +/-	5°		
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE :	
REMOVE SHARP EDGES		INTERNAL\DRAWING\CE\C SE1XXXX2311111X	
DIMENSIONS		ANGLE OF PROJECTION	
U.S.	INCHES		
(METRIC)	(mm)		

Amphenol

TITLE
HYBRID SLIM COOL EDGE
0.65MM PITCH

SIZE	DRAWING NO.	REV.
A3	C SE1XXXX2311111X	17
SCALE	NONE	SHEET 8 OF 9

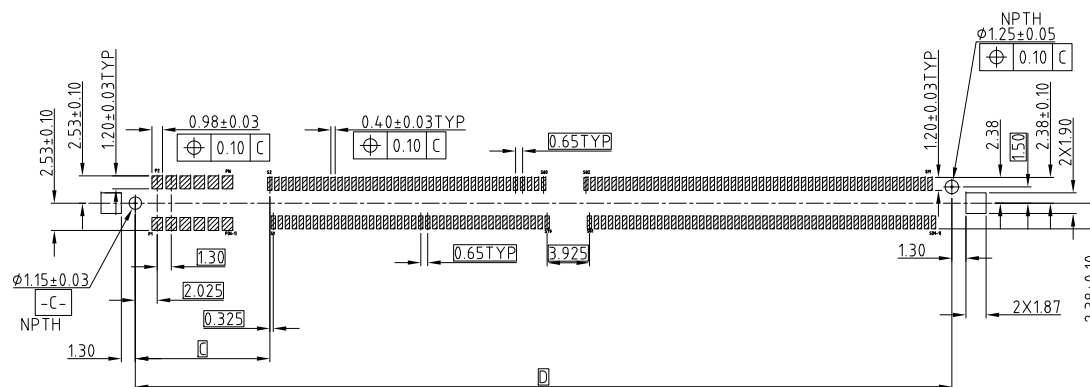
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



RECOMMENDED LAY OUT FOR MATING CARD, T=1.60±0.16
GENERAL TOLERANCE ±0.10

RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.80	1.20	2.50	1.50
100	2.30	1.70	2.00	2.00

APPLY FOR PCIE GEN 4 OR BELOW



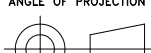
RESISTANCE (OHM)	DIMENSION			
	AA	BB	CC	DD
85	2.00	2.00	2.00	2.00

APPLY FOR PCIE GEN 5

RECOMMENDED FOOTPRINT LAYOUT
GENERAL TOLERANCE ± 0.10

PCB LAYOUT FOR HYBRID(POWER+SIGNAL)



UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/− 0.3 .XX +/− 0.20 .XXX +/− 0.20 FRACTIONS +/− ANGLES +/− 5°		APPROVAL DATE DRAWN HACHI Aug. 02, 20 CHECKED APPROVED	
FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS — U.S. — — INCHES — (METRIC) (mm)		DRAWING FILE : INTERNAL_DRAWING_DEV_C SI:0002311111 ANGLE OF PROJECTION 	

Amphenol

TITLE	HYBRID SLIM COOL EDGE 0.65MM PITCH
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SIZE	DRAWING NO.	REV.
A3	C SE1XXXX2311111X	17
SCALE	NONE	SHEET 9 OF 9