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CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
7	CD1275	UPDATE DRAWING	Apr.25,2018	

D

C

B

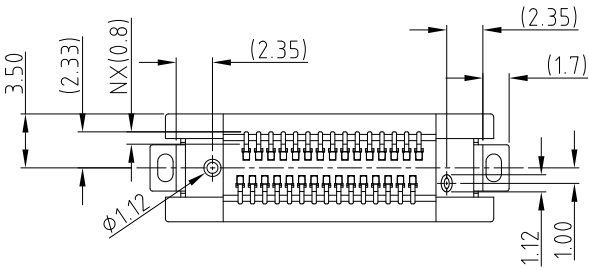
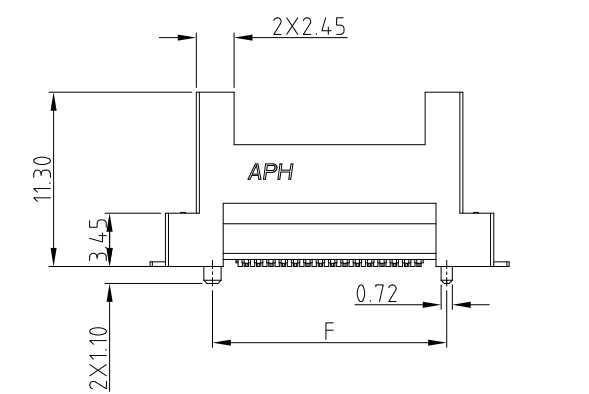
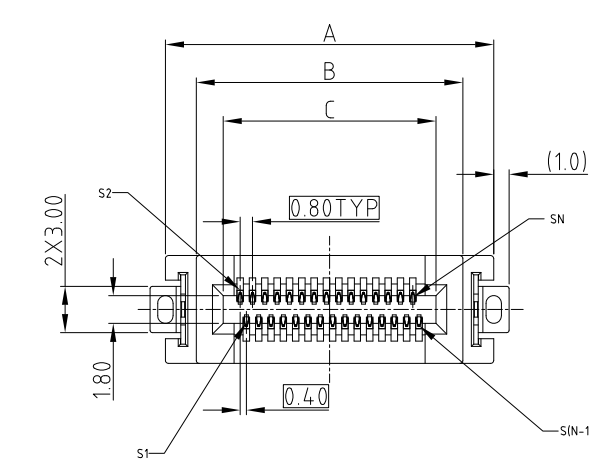
A

D

C

B

A



SIGNAL SPEED/IMPEDANCE
1: BELOW 16Gbps
2: 16~32Gbps WITH 85 ohm

POWER PIN COUNT
0: WITHOUT POWER PIN
2: 2PIN
4: 4PIN
6: 6PIN

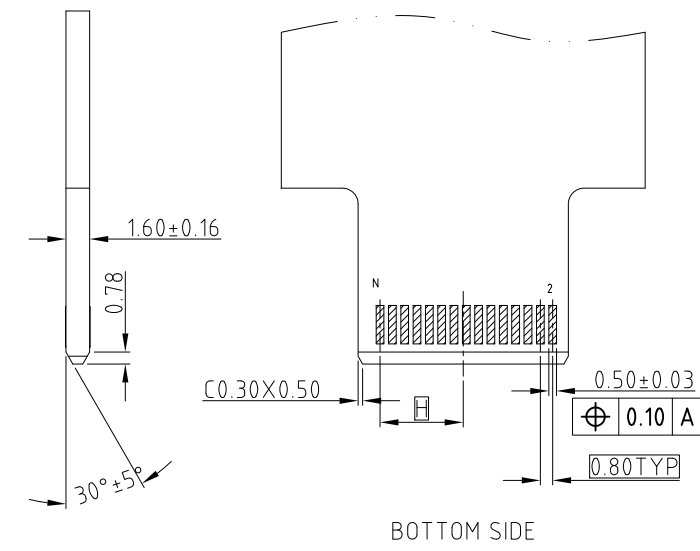
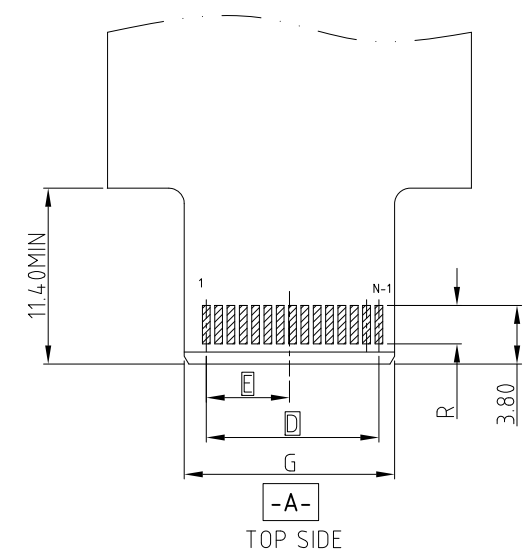
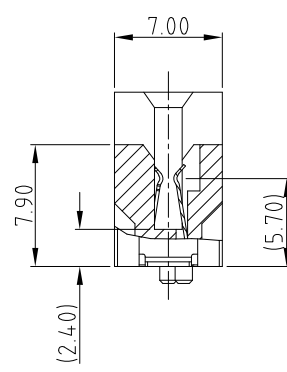
PART NUMBER SYSTEM
CEXXXXXX011011X

CARD THICKNESS
0: 1.60MM

GUIDE HOLE
0: WITHOUT GUIDE HOLE
G: WITH GUIDE HOLE

SIGNAL PIN COUNT
000: 0 PIN ; 080: 80PIN
020: 20PIN ; 100: 100PIN
026: 26PIN ; 120: 120PIN
040: 40PIN ; 140: 140PIN
050: 50PIN ; 160: 160PIN
060: 60PIN ; 180: 180PIN
200: 200PIN

PLATING SPEC
1: 0.76um Au
2: 0.38um Au
3: GOLD FLASH
4: 0.76umPdNi +GF



RECOMMEND MATING CARD, THICKNESS=1.60±0.16MM
GENERAL TOLERANCE ±0.05MM



SYSTEM	DIM R
IMPEDANCE	(GOLD FINGER LENGTH)
85 ohm	2.50

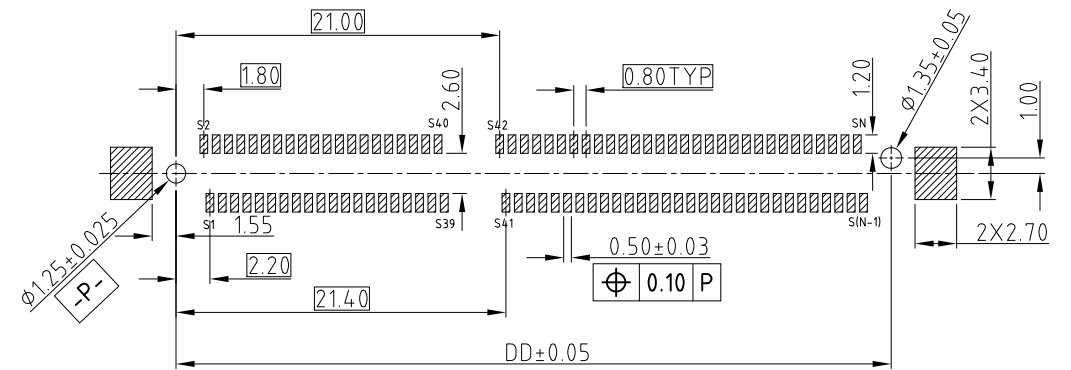
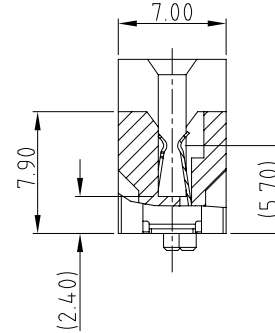
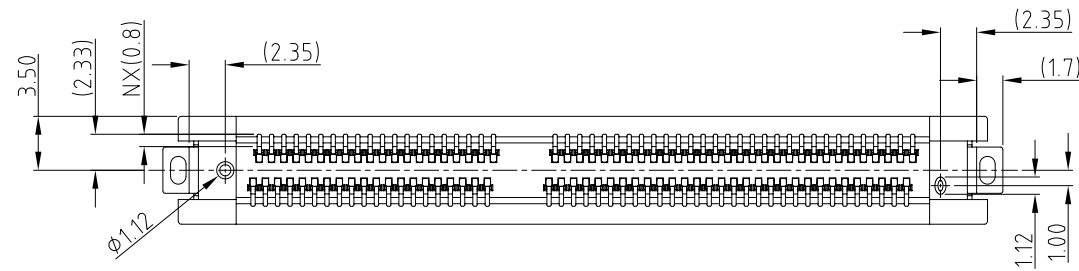
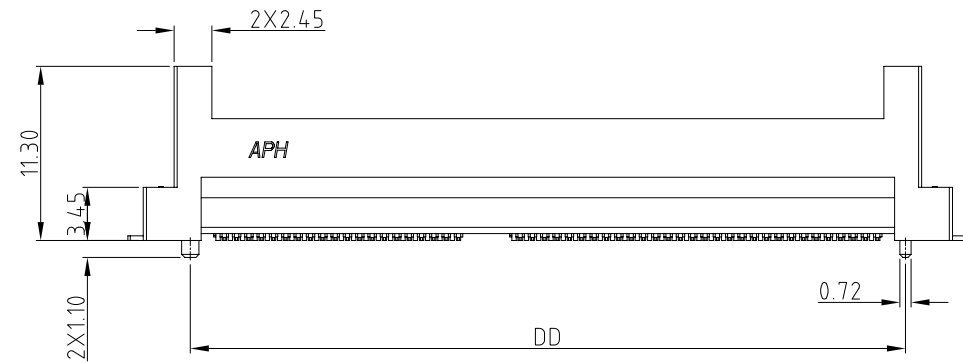
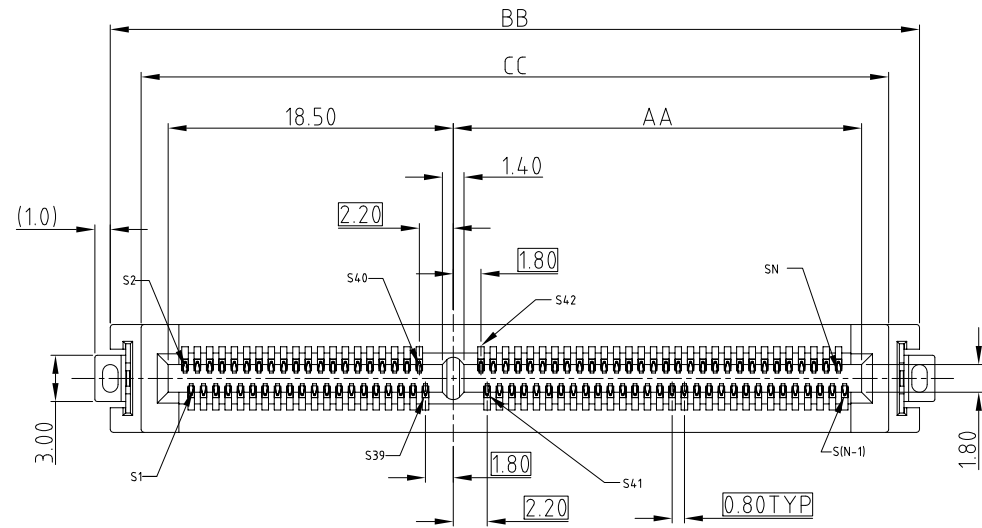
- NOTE:
- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC BLACK UL94-V0
CONTACT: COPPER ALLOY
BOARDLOCK: SPCC
 - PLATING:
CONTACT: MATING AREA: SEE PLATING SEPC OVER 1.27-2.54 UM NICKEL UNDERPLATED
SOLDER AREA: 1.27 MIN TIN OVER 1.27-2.54 UM NICKEL UNDERPLATED
BOARDLOCK: 1.27 MIN TIN OVER 1.27-2.54UM NICKEL UNDERPLATED
 - ELECTRICAL PERFORMANCE:
RATED CURRENT FOR POWER PIN: REFER PRODUCT APPLICATION SPEC
RATED CURRENT FOR SIGNAL PIN: REFER PRODUCT APPLICATION SPEC
 - PRODUCT SHALL MEET ALL DIMENSIONS BEFORE EXPOSURE TO 260°C MAX. FOR 10S AND SHALL MEET ALL SELECTED FUNCTIONAL DIMENSION AFTER EXPOSURE TO 260°C MAX. FOR 10S.
 - MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC # SSN002
 - ORDERING PN: REFER TO THE PN SYSTEM

PIN COUNT	DIMENSION							
N (SIGNAL)	A	B	C	D	E	F	G	H
20	17.30	13.30	9.80	7.20	3.40	11.20	9.65	3.40
26	19.70	15.70	12.20	9.60	4.60	13.60	12.05	4.60
40	25.30	21.30	17.80	15.20	7.40	19.20	17.65	7.40
50	29.30	25.30	21.80	19.20	9.40	23.20	21.65	9.40

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 REMOVE SHARP EDGES DIMENSIONS —U.S.— INCHES (METRIC) (mm)	APPROVAL DRAWN CHECKED APPROVED	DATE Apr.25,2018	Amphenol		
	DRAWING FILE : INTERNAL\DRAWING\CE\C CEXXXXXX011011X	ANGLE OF PROJECTION 			
	TITLE COOL EDGE CONNECTOR 0.80MM PITCH			SIZE A3	DRAWING NO. C CEXXXXXX011011X
	SCALE NONE			SHEET 1 OF 8	
			REV. 7		

CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



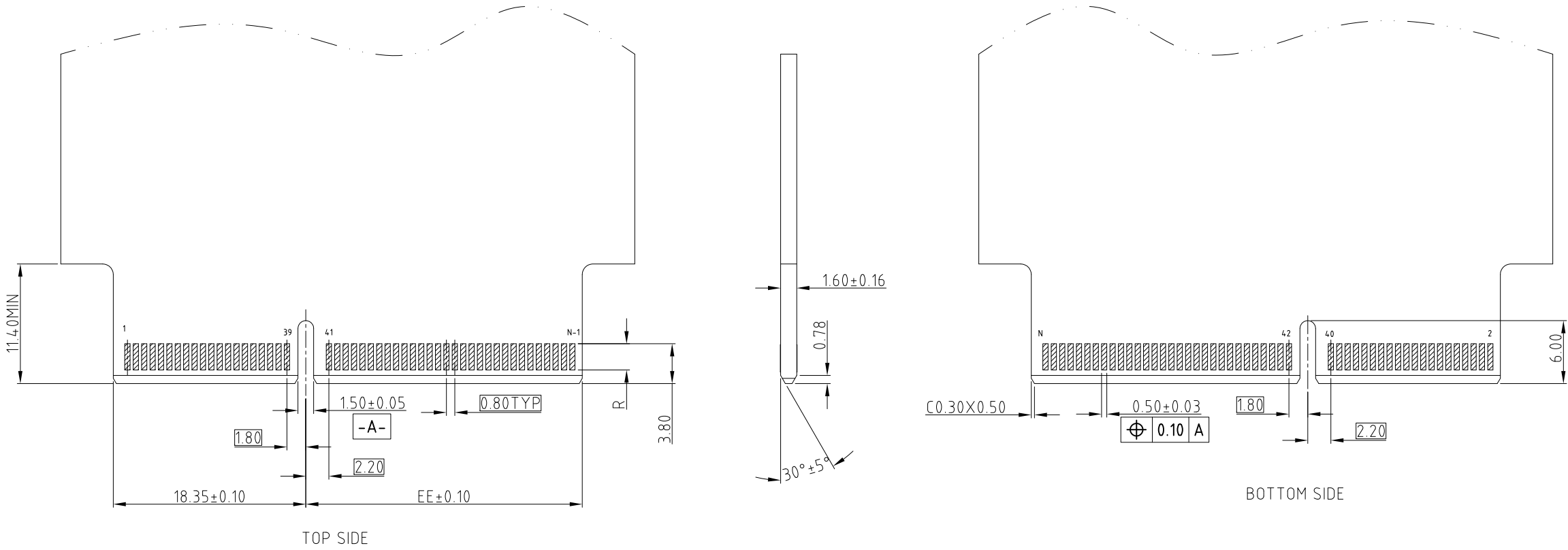
RECOMMENDED SOLDER PCB LAYOUT
GENERAL TOLERANCE ± 0.05

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.25 .XX +/- 0.20 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 5°		APPROVAL DRAWN CHECKED APPROVED		DATE Apr.25,2018		Amphenol	
FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS — U.S. — — INCHES — (METRIC) (mm)		DRAWING FILE : INTERNAL\DRAWING\CE/C CEXXXXXX011011X		TITLE COOL EDGE CONNECTOR 0.80MM PITCH			
		ANGLE OF PROJECTION		SIZE DRAWING NO. A3 C CEXXXXXX011011X		REV. 7	
				SCALE NONE SHEET 2 OF 8			

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CUSTOMER DRAWING

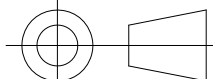
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



PIN COUNT	DIMENSION				
N (SIGNAL)	AA	BB	CC	DD	EE
60	10.50	36.50	32.50	30.40	10.35
80	18.50	44.50	40.50	38.40	18.35
100	26.50	52.50	48.50	46.40	26.35
120	34.50	60.50	56.50	54.40	34.35
140	42.50	68.50	64.50	62.40	42.35
160	50.50	76.50	72.50	70.40	50.35
180	58.50	84.50	80.50	78.40	58.35
200	66.50	92.50	88.50	86.40	66.35



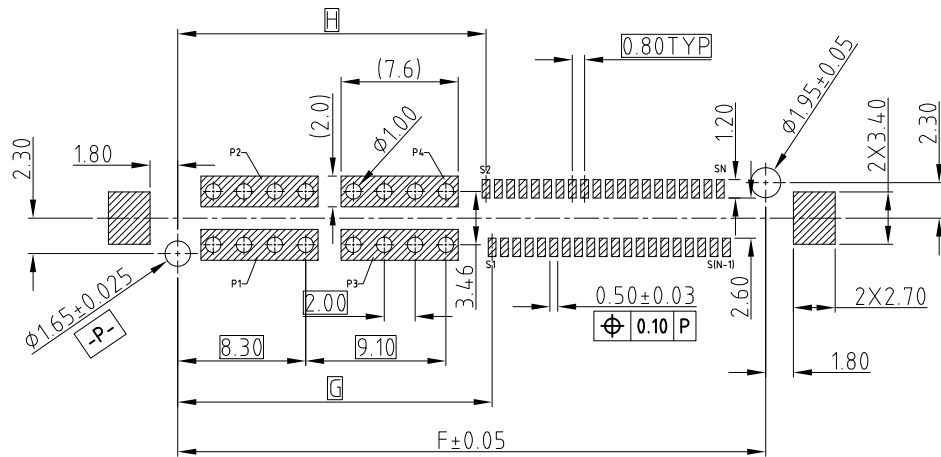
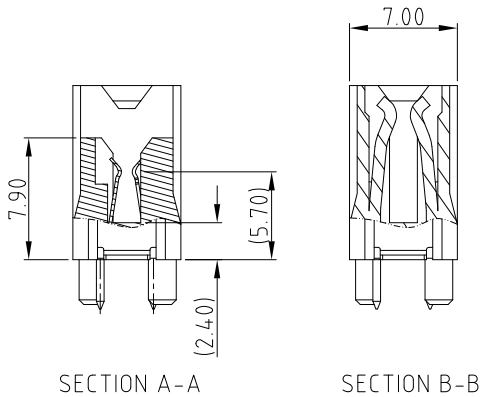
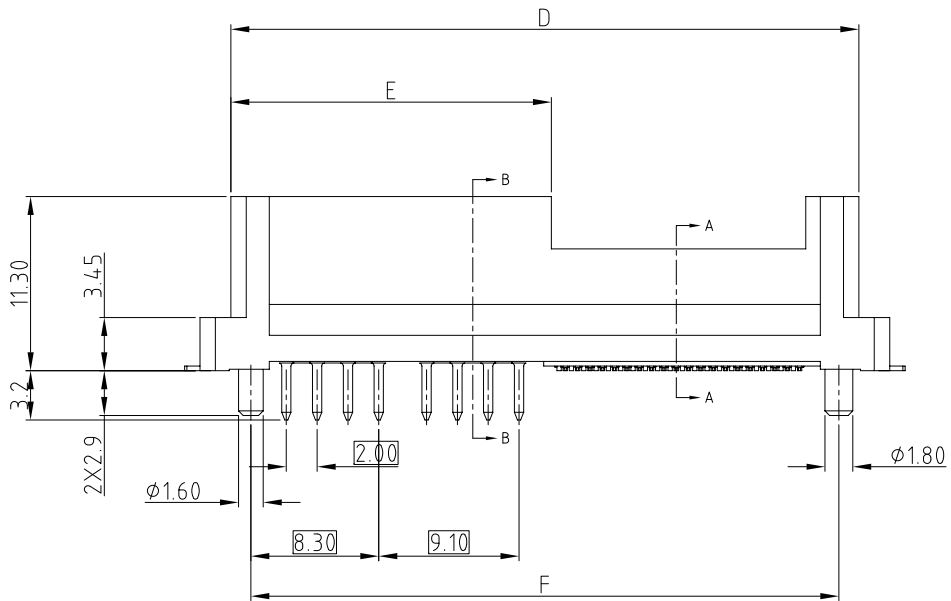
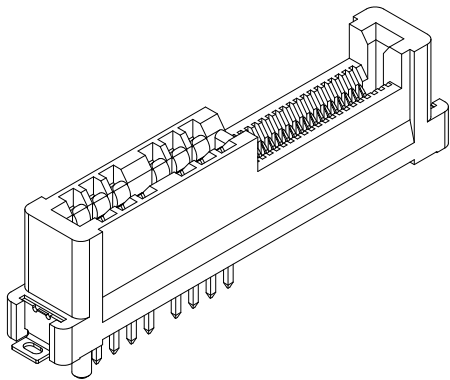
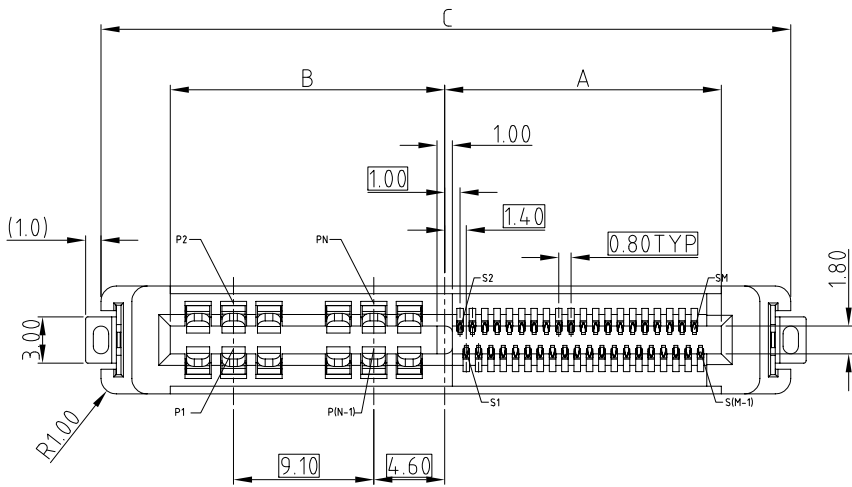
SYSTEM	DIM R
IMPEDANCE	(GOLD FINGER LENGTH)
85 ohm	2.50

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.3 .XX +/- 0.20 .XXX +/- 0.15 FRACTIONS +/- ANGLES +/- 5° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS —U.S.— INCHES (METRIC) (mm)		APPROVAL		DATE		Amphenol			
		DRAWN		Apr.25,2018					
		CHECKED							
				APPROVED				TITLE COOL EDGE CONNECTOR 0.80MM PITCH	
		DRAWING FILE :		INTERNAL\DRAWING\CE\C CEXXXXXX011011X					
		ANGLE OF PROJECTION							
		SIZE		DRAWING NO.		REV.			
		A3		C CEXXXXXX011011X		7			
		SCALE		NONE		SHEET 3		OF 8	

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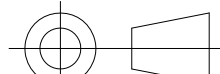
CUSTOMER DRAWING

REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
1	N/A	PRELIMINARY PROPOSAL	Mar.08,2017	



RECOMMEND SOLDER PCB LAYOUT
GENERAL TOLERANCE $\pm 0.05\text{MM}$

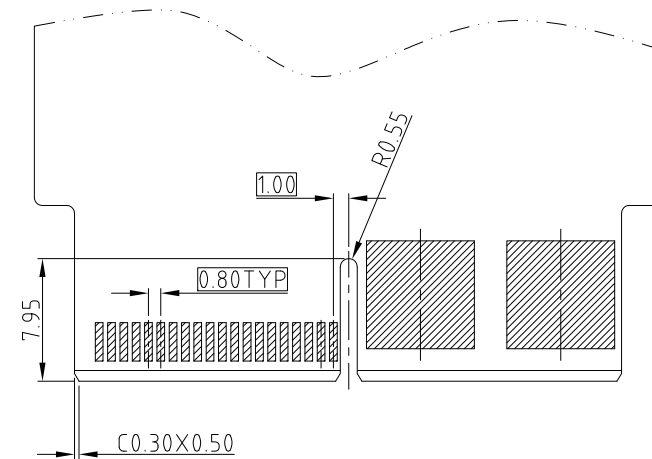


UNLESS OTHERWISE SPECIFIED		APPROVAL		DATE		Amphenol			
TOLERANCES		DRAWN		Apr.25,2018					
U.S.		CHECKED							
METRIC		APPROVED							
.X +/-						TITLE HYBRID COOL EDGE CONNECTOR 0.80MM PITCH			
.XX +/-									
.XXX +/-									
FRACTIONS +/-									
ANGLES +/-		5°				DRAWING FILE : INTERNAL\DRAWING\CE\C CEXXXXXX011011X			
FOR MATERIALS AND FINISHES									
SEE NOTES									
REMOVE SHARP EDGES									
DIMENSIONS				ANGLE OF PROJECTION		SIZE A3			
—U.S.—		INCHES							
(METRIC)		(mm)							
				SCALE		NONE		SHEET 4 OF 8	

CUSTOMER DRAWING

The technical drawing shows a mechanical component with two main views: a front view (top) and a side view (bottom). The front view includes dimensions for overall width (11.40), internal features (9.10, 7.00), and a central slot (0.55, 7.00). The side view shows a profile with a radius R, a height of 3.80, and various tolerances such as $K \pm 0.10$, $J \pm 0.10$, 0.50 ± 0.03 , and $\phi 0.10 \times$. A note "0.80 TYP" indicates a typical thickness or distance.

Technical drawing of a vertical rod. The drawing shows a rod with a diameter of $T = 1.60 \pm 0.16$. The rod has a total length of 0.45. The bottom of the rod is tapered at an angle of $30^\circ \pm 5^\circ$. The drawing includes a cross-section at the bottom and a section line indicating a break in the rod.



SYSTEM IMPEDANCE	DIM R (GOLD FINGER LENGTH)
85 ohm	2.50

PIN COUNT		DIMENSION									
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K
2	18	9.15	8.70	26.85	22.85	11.70	20.25	11.30	10.90	9.00	8.55
	20	9.95	8.70	27.65	23.65	11.70	21.05	11.30	10.90	9.80	8.55
	40	17.95	8.70	35.65	31.65	11.70	29.05	11.30	10.90	17.80	8.55
	60	25.95	8.70	43.65	39.65	11.70	37.05	11.30	10.90	25.80	8.55
	80	33.95	8.70	51.65	47.65	11.70	45.05	11.30	10.90	33.80	8.55
	100	41.95	8.70	59.65	55.65	11.70	53.05	11.30	10.90	41.80	8.55
	120	49.95	8.70	67.65	63.65	11.70	61.05	11.30	10.90	49.80	8.55
	140	57.95	8.70	75.65	71.65	11.70	69.05	11.30	10.90	57.80	8.55
	160	65.95	8.70	83.65	79.65	11.70	77.05	11.30	10.90	65.80	8.55
	180	73.95	8.70	91.65	87.65	11.70	85.05	11.30	10.90	73.80	8.55
	200	81.95	8.70	99.65	95.65	11.70	93.05	11.30	10.90	81.80	8.55

PIN COUNT		DIMENSION									
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K
4	20	9.95	17.80	36.75	32.75	20.80	30.15	20.40	20.00	9.80	17.65
	40	17.95	17.80	44.75	40.75	20.80	38.15	20.40	20.00	17.80	17.65
	60	25.95	17.80	52.75	48.75	20.80	46.15	20.40	20.00	25.80	17.65
	80	33.95	17.80	60.75	56.75	20.80	54.15	20.40	20.00	33.80	17.65
	100	41.95	17.80	68.75	64.75	20.80	62.15	20.40	20.00	41.80	17.65
	120	49.95	17.80	76.75	72.75	20.80	70.15	20.40	20.00	49.80	17.65
	140	57.95	17.80	84.75	80.75	20.80	78.15	20.40	20.00	57.80	17.65
	160	65.95	17.80	92.75	88.75	20.80	86.15	20.40	20.00	65.80	17.65
	180	73.95	17.80	100.75	96.75	20.80	94.15	20.40	20.00	73.80	17.65
	200	81.95	17.80	108.75	104.75	20.80	102.15	20.40	20.00	81.80	17.65

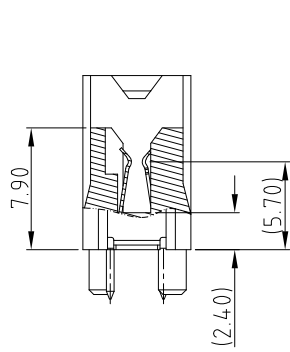
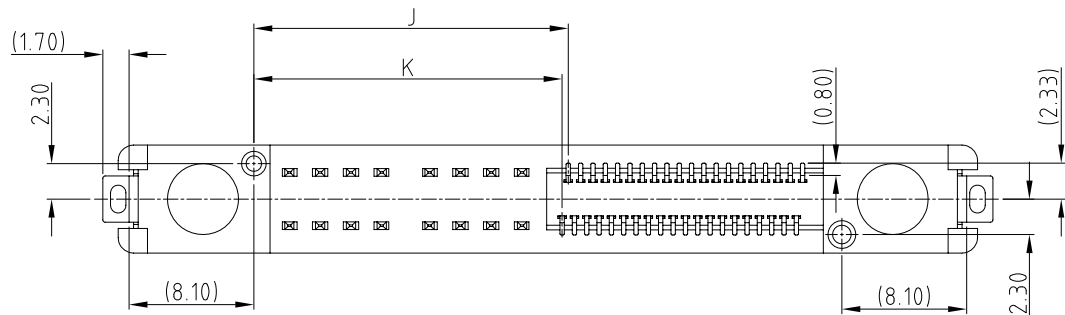
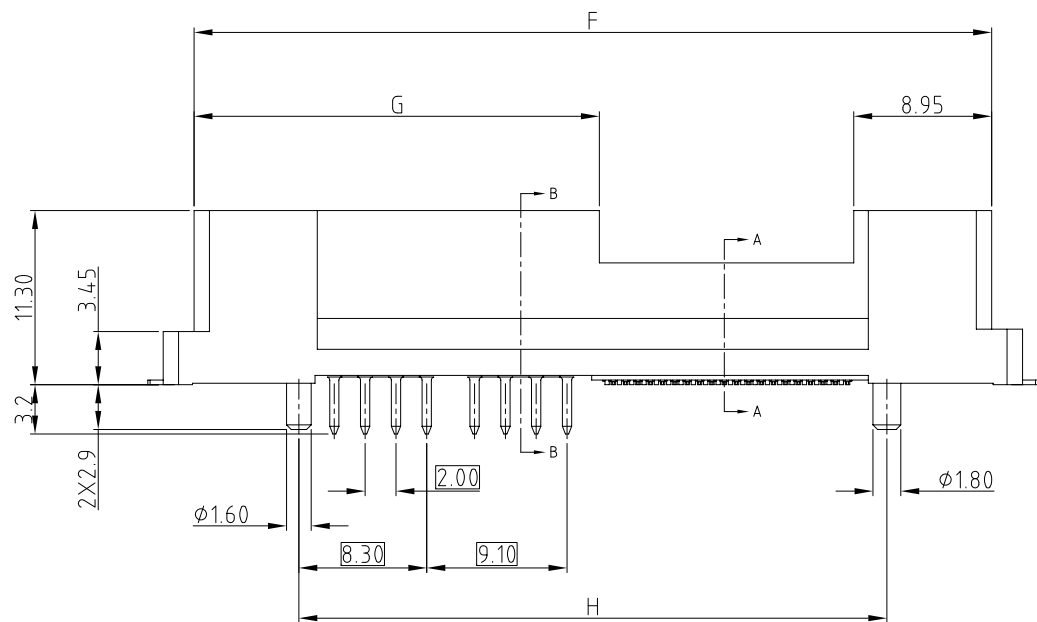
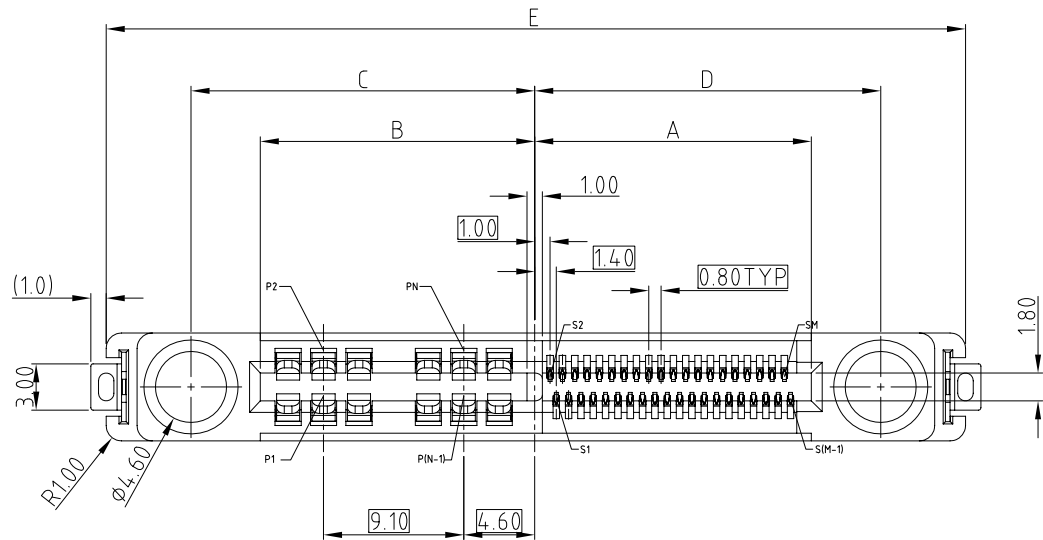
PIN COUNT		DIMENSION									
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K
6	20	9.95	26.90	45.85	41.85	29.90	39.25	29.50	29.10	9.80	26.75
	40	17.95	26.90	53.85	49.85	29.90	47.25	29.50	29.10	17.80	26.75
	60	25.95	26.90	61.85	57.85	29.90	55.25	29.50	29.10	25.80	26.75
	80	33.95	26.90	69.85	65.85	29.90	63.25	29.50	29.10	33.80	26.75
	100	41.95	26.90	77.85	73.85	29.90	71.25	29.50	29.10	41.80	26.75
	120	49.95	26.90	85.85	81.85	29.90	79.25	29.50	29.10	49.80	26.75
	140	57.95	26.90	93.85	89.85	29.90	87.25	29.50	29.10	57.80	26.75
	160	65.95	26.90	101.85	97.85	29.90	95.25	29.50	29.10	65.80	26.75
	170	69.95	26.90	105.85	101.85	29.90	99.25	29.50	29.10	69.80	26.75



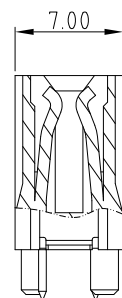
1

CUSTOMER DRAWING

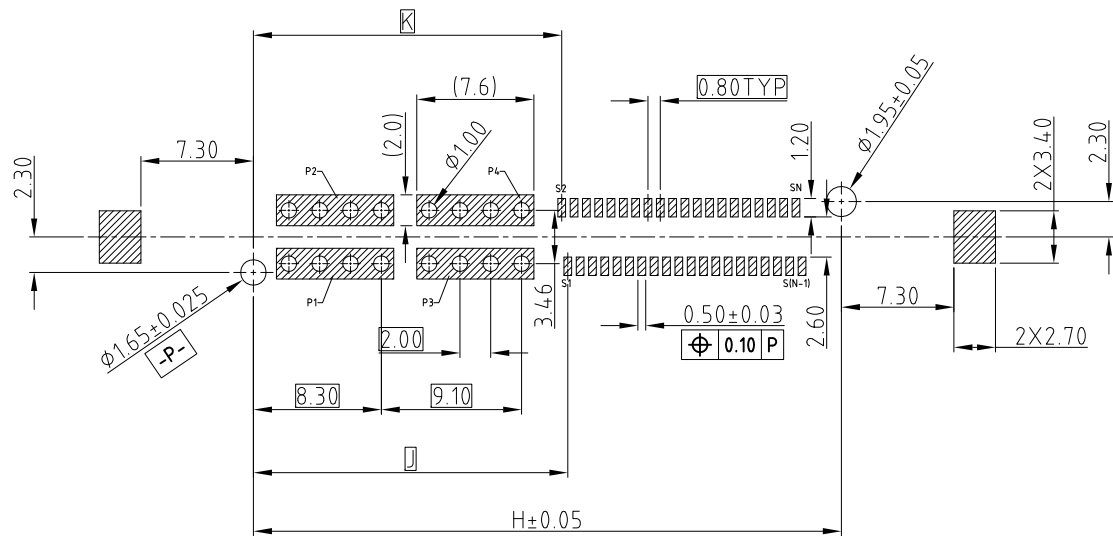
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



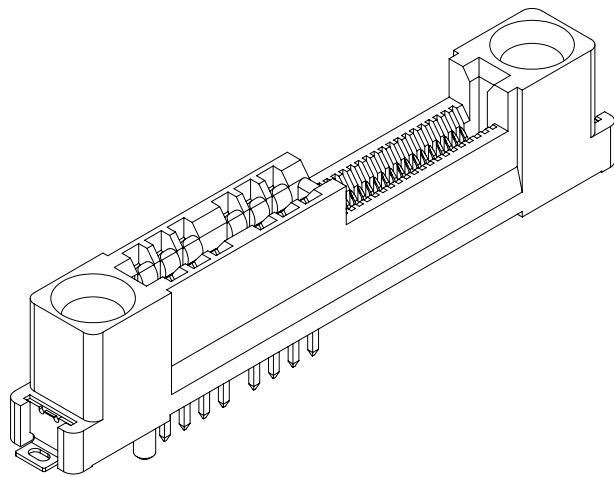
SECTION A-A

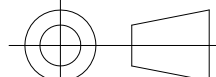


SECTION B-B



RECOMMEND SOLDER PCB LAYOUT
GENERAL TOLERANCE $\pm 0.05\text{MM}$

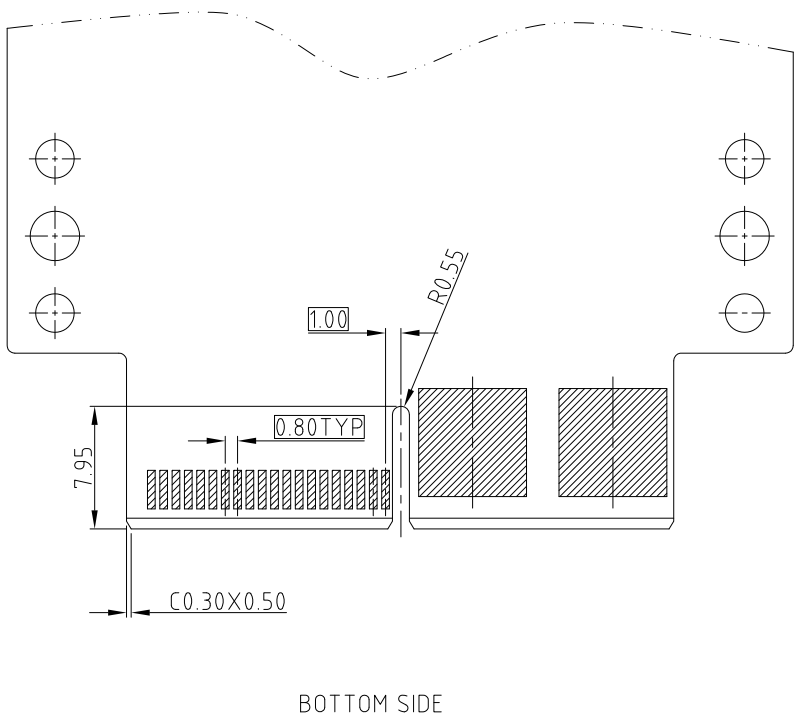
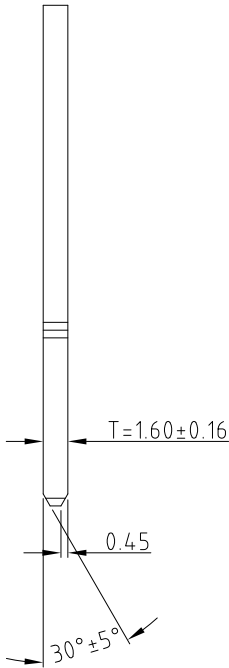
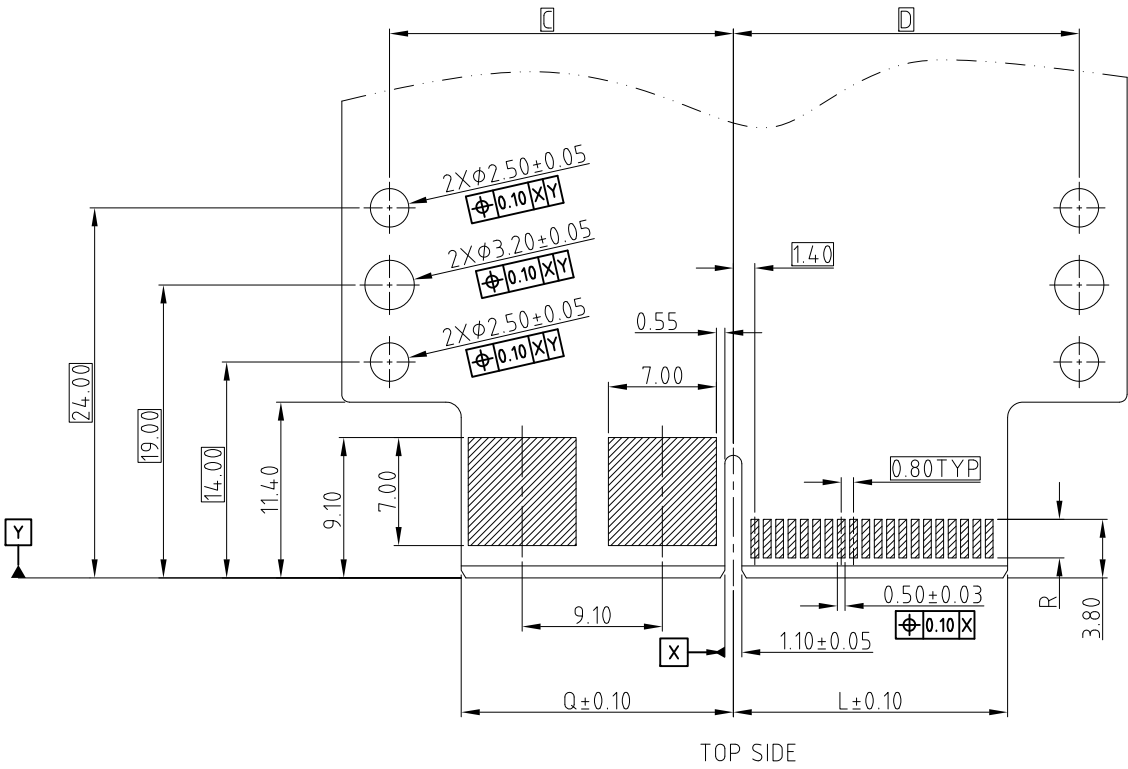


UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol			
U.S. METRIC		DRAWN		Apr.25,2018					
.X +/- 0.25		CHECKED							
.XX +/- 0.20		APPROVED							
.XXX +/- 0.15		DRAWING FILE :		TITLE		HYBRID COOL EDGE CONNECTOR 0.80MM PITCH			
FRACTIONS +/-									
ANGLES +/- 5°									
FOR MATERIALS AND FINISHES SEE NOTES		INTERNAL\DRAWING\CE\G_C CEXXXXXX011011X							
REMOVE SHARP EDGES		ANGLE OF PROJECTION 		SIZE		DRAWING NO.		REV.	
DIMENSIONS				A3		C CEXXXXXX011011X		7	
— U.S. —				SCALE		NONE		SHEET 6 OF 8	
— INCHES —									
(METRIC)		(mm)							

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3
CUSTOMER DRAWING

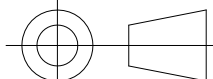
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



RECOMMEND MATING CARD, THICKNESS=1.60±0.16MM
GENERAL TOLERANCE ±0.05MM

SYSTEM	DIM R
IMPEDANCE	(GOLD FINGER LENGTH)
85 ohm	2.50



UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol			
U.S.		DRAWN		Apr.25,2018					
METRIC		CHECKED							
		APPROVED							
.X +/-						TITLE HYBRID COOL EDGE CONNECTOR 0.80MM PITCH			
.XX +/-									
.XXX +/-									
FRACTIONS +/-									
ANGLES +/-		5°							
FOR MATERIALS AND FINISHES SEE NOTES				DRAWING FILE :					
				INTERNAL\DRAWING\CE\C CEXXXXXX011011X					
REMOVE SHARP EDGES				ANGLE OF PROJECTION					
DIMENSIONS									
—U.S.—		INCHES							
(METRIC)		(mm)							
				SIZE		DRAWING NO.		REV.	
				A3		C CEXXXXXX011011X		7	
				SCALE		NONE		SHEET 7 OF 8	

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CUSTOMER DRAWING

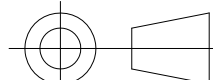
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		

PIN COUNT		DIMENSION											
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K	L	Q
2	18	9.15	8.70	13.20	13.65	37.85	33.85	17.20	20.25	11.30	10.90	9.00	8.55
	20	9.95	8.70	13.20	14.45	38.65	34.65	17.20	21.05	11.30	10.90	9.80	8.55
	40	17.95	8.70	13.20	22.45	46.65	42.65	17.20	29.05	11.30	10.90	17.80	8.55
	60	25.95	8.70	13.20	30.45	54.65	50.65	17.20	37.05	11.30	10.90	25.80	8.55
	80	33.95	8.70	13.20	38.45	62.65	58.65	17.20	45.05	11.30	10.90	33.80	8.55
	100	41.95	8.70	13.20	46.45	70.65	66.65	17.20	53.05	11.30	10.90	41.80	8.55
	120	49.95	8.70	13.20	54.45	78.65	74.65	17.20	61.05	11.30	10.90	49.80	8.55
	140	57.95	8.70	13.20	62.45	86.65	82.65	17.20	69.05	11.30	10.90	57.80	8.55
	160	65.95	8.70	13.20	70.45	94.65	90.65	17.20	77.05	11.30	10.90	65.80	8.55
	180	73.95	8.70	13.20	78.45	102.65	98.65	17.20	85.05	11.30	10.90	73.80	8.55
200	81.95	8.70	13.20	86.45	110.65	106.65	17.20	93.05	11.30	10.90	81.80	8.55	

PIN COUNT		DIMENSION											
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K	L	Q
4	20	9.95	17.80	22.30	14.45	47.75	43.75	26.30	30.15	20.40	20.00	9.80	17.65
	40	17.95	17.80	22.30	22.45	55.75	51.75	26.30	38.15	20.40	20.00	17.80	17.65
	60	25.95	17.80	22.30	30.45	63.75	59.75	26.30	46.15	20.40	20.00	25.80	17.65
	80	33.95	17.80	22.30	38.45	71.75	67.75	26.30	54.15	20.40	20.00	33.80	17.65
	100	41.95	17.80	22.30	46.45	79.75	75.75	26.30	62.15	20.40	20.00	41.80	17.65
	120	49.95	17.80	22.30	54.45	87.75	83.75	26.30	70.15	20.40	20.00	49.80	17.65
	140	57.95	17.80	22.30	62.45	95.75	91.75	26.30	78.15	20.40	20.00	57.80	17.65
	160	65.95	17.80	22.30	70.45	103.75	99.75	26.30	86.15	20.40	20.00	65.80	17.65
	180	73.95	17.80	22.30	78.45	111.75	107.75	26.30	94.15	20.40	20.00	73.80	17.65
	200	81.95	17.80	22.30	86.45	119.75	115.75	26.30	102.15	20.40	20.00	81.80	17.65

PIN COUNT		DIMENSION											
N (POWER)	M (SIGNAL)	A	B	C	D	E	F	G	H	J	K	L	Q
6	20	9.95	26.90	31.40	14.45	56.85	52.85	35.40	39.25	29.50	29.10	9.80	26.75
	40	17.95	26.90	31.40	22.45	64.85	60.85	35.40	47.25	29.50	29.10	17.80	26.75
	60	25.95	26.90	31.40	30.45	72.85	68.85	35.40	55.25	29.50	29.10	25.80	26.75
	80	33.95	26.90	31.40	38.45	80.85	76.85	35.40	63.25	29.50	29.10	33.80	26.75
	100	41.95	26.90	31.40	46.45	88.85	84.85	35.40	71.25	29.50	29.10	41.80	26.75
	120	49.95	26.90	31.40	54.45	96.85	92.85	35.40	79.25	29.50	29.10	49.80	26.75
	140	57.95	26.90	31.40	62.45	104.85	100.85	35.40	87.25	29.50	29.10	57.80	26.75
	160	65.95	26.90	31.40	70.45	112.85	108.85	35.40	95.25	29.50	29.10	65.80	26.75
	170	69.95	26.90	31.40	74.45	120.85	112.85	35.40	99.25	29.50	29.10	69.80	26.75



UNLESS OTHERWISE SPECIFIED		APPROVAL		DATE		Amphenol				
TOLERANCES		DRAWN		Apr.25,2018						
U.S. METRIC		CHECKED								
.X +/- 0.25 .XX +/- 0.20 .XXX +/- 0.15		APPROVED								
FRACTIONS +/- ANGLES +/-		DRAWING FILE :				TITLE HYBRID COOL EDGE CONNECTOR 0.80MM PITCH				
5°		INTERNAL\DRAWING\CE\C CEXXXXXX011011X								
FOR MATERIALS AND FINISHES SEE NOTES		ANGLE OF PROJECTION								
REMOVE SHARP EDGES										
DIMENSIONS				SIZE		DRAWING NO.			REV.	
— U.S. —				A3		C CEXXXXXX011011X			7	
(METRIC)		(mm)		SCALE		NONE			SHEET 8 OF 8	