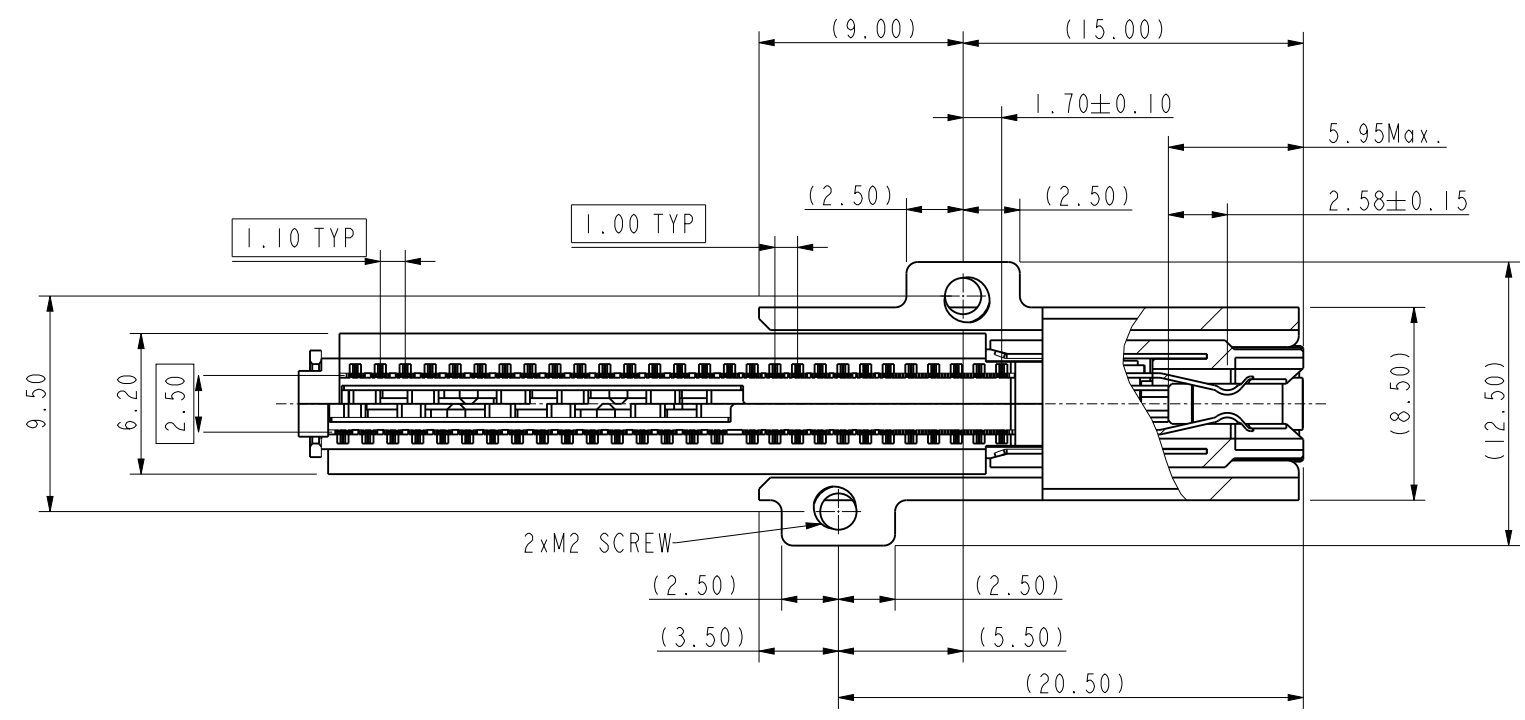
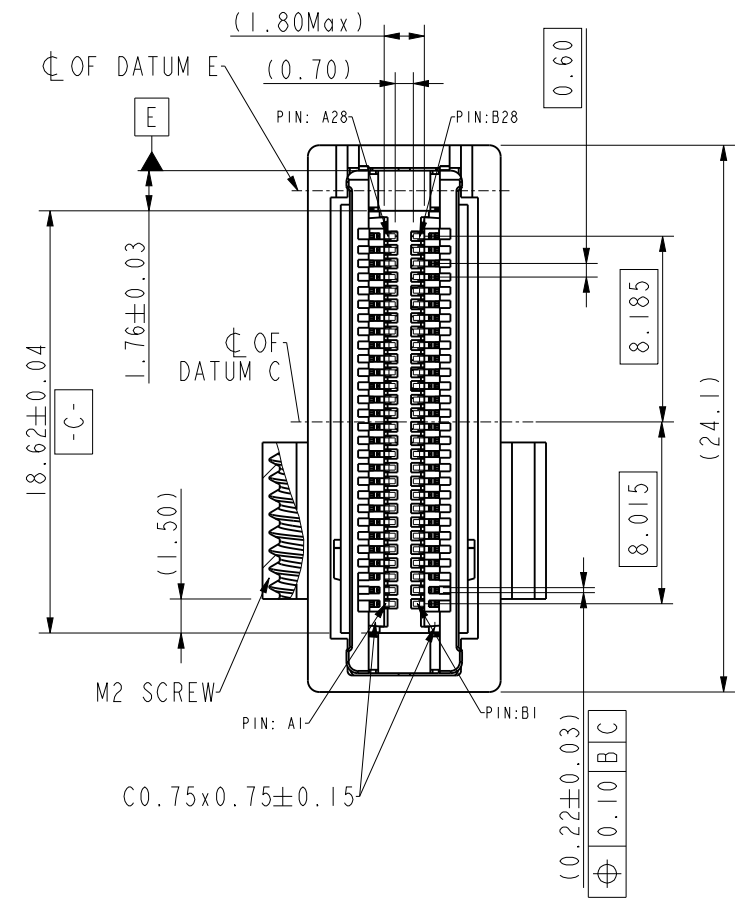
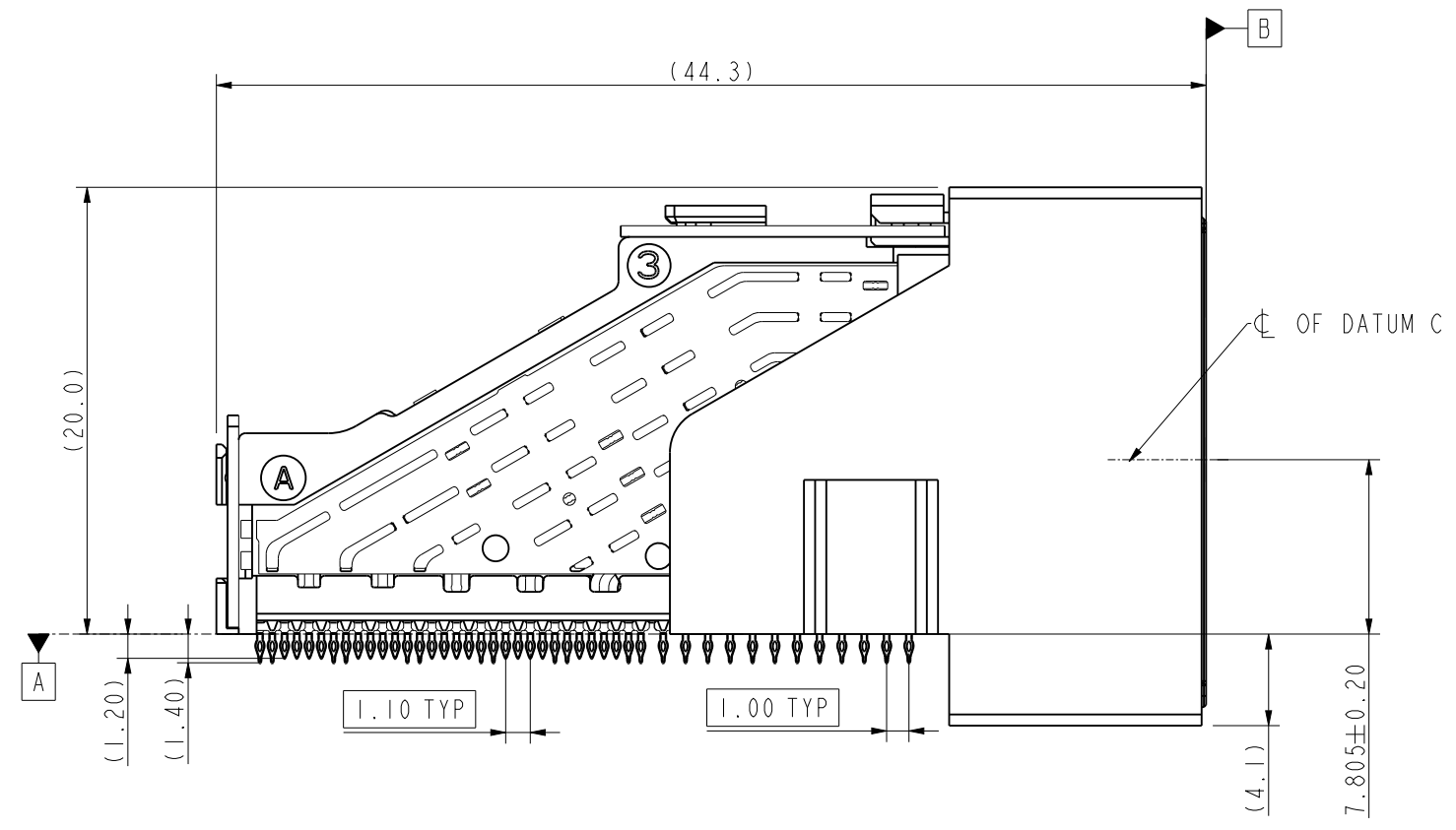


# Amphenol

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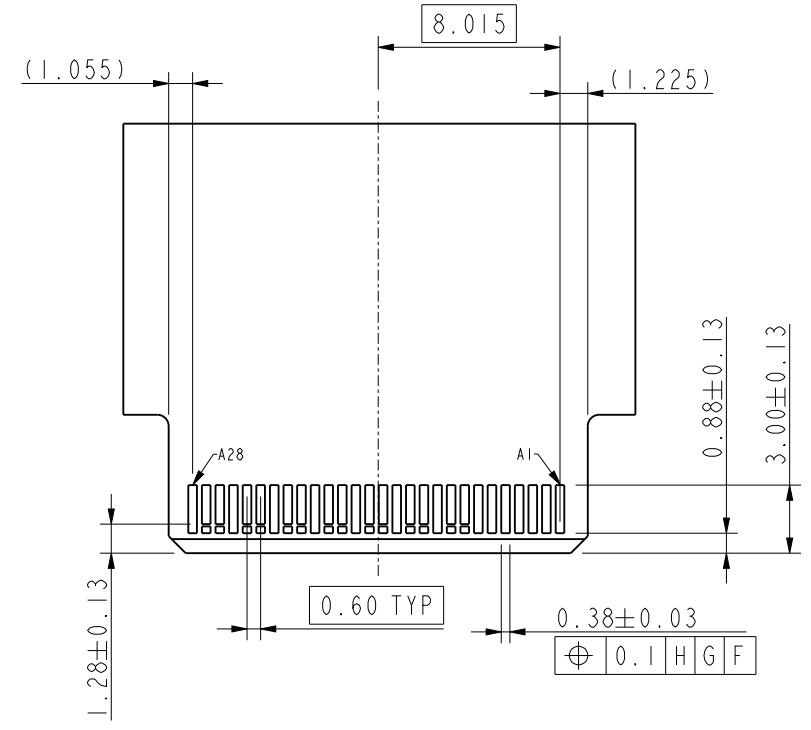
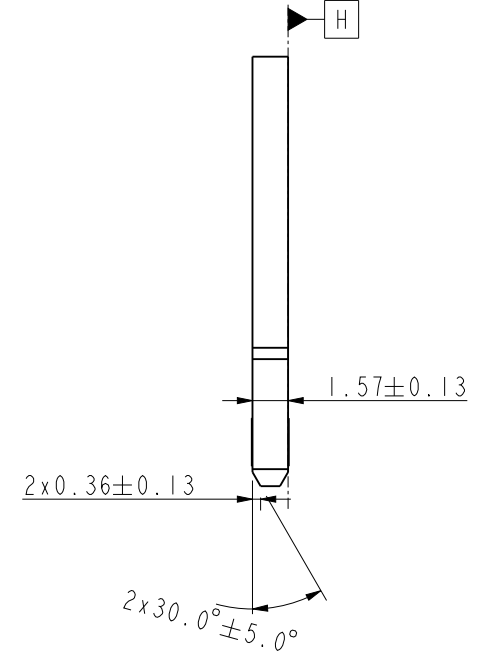
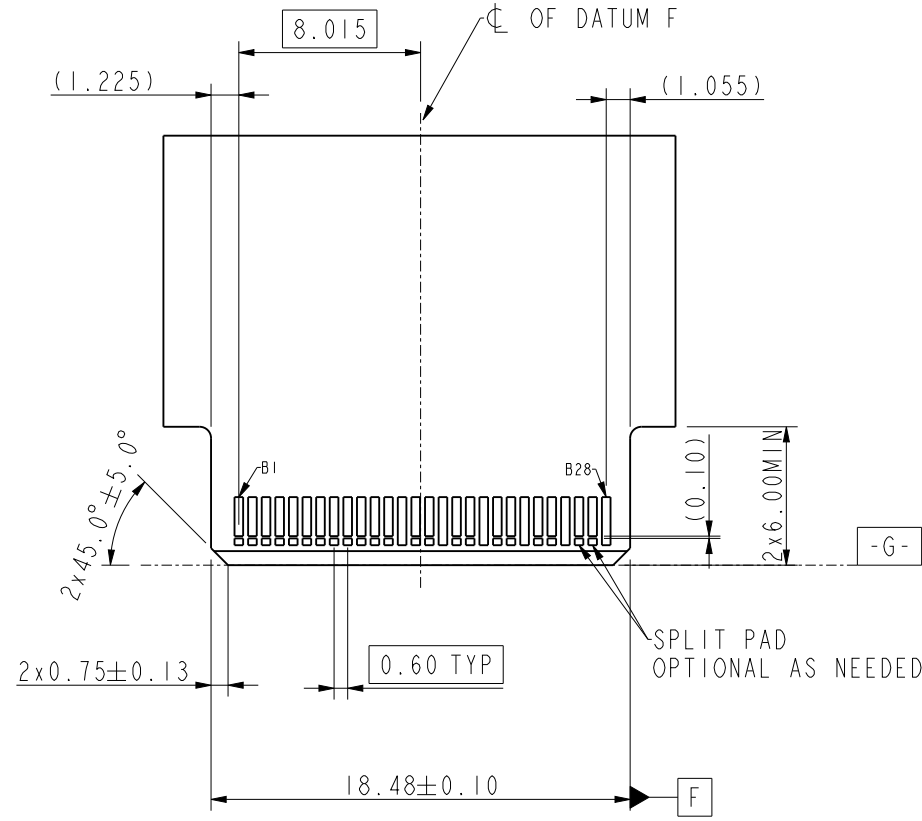
revision history				
rev	ecn no	description	dr	date
5	NA	LENGTH PARTIAL EON	JF	2020/03/23
6	CD2474	ADDED PIN ASSIGNMENT	JF	2021/04/26
7	ELX-CD-49039-1	CHANGE TO THROUGH SCREW HOLE	JF	2023/09/12



PART NUMBER SYSTEM  
ME300560231101X

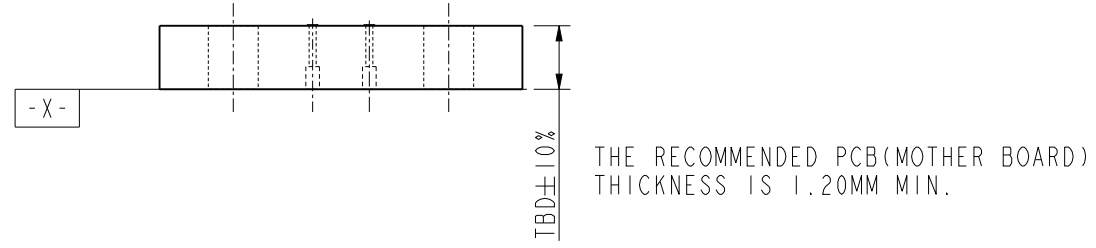
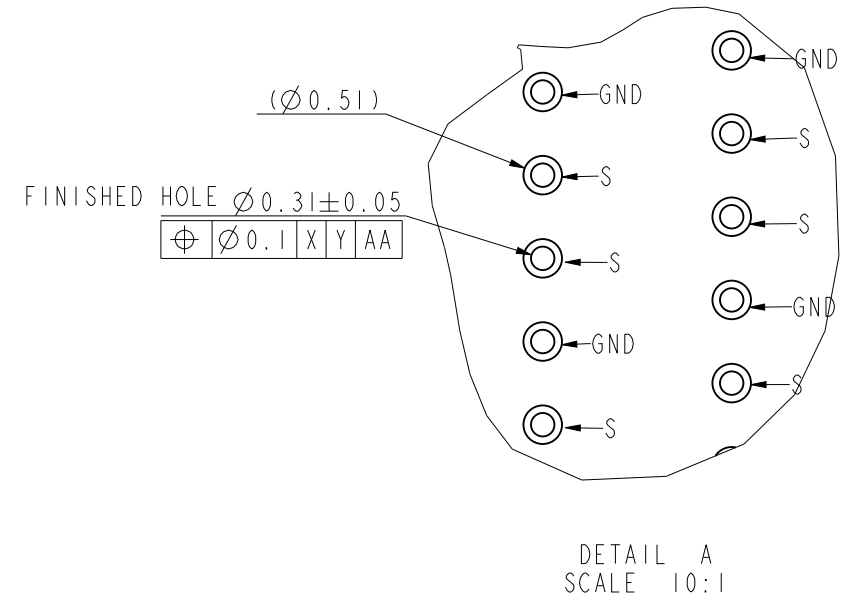
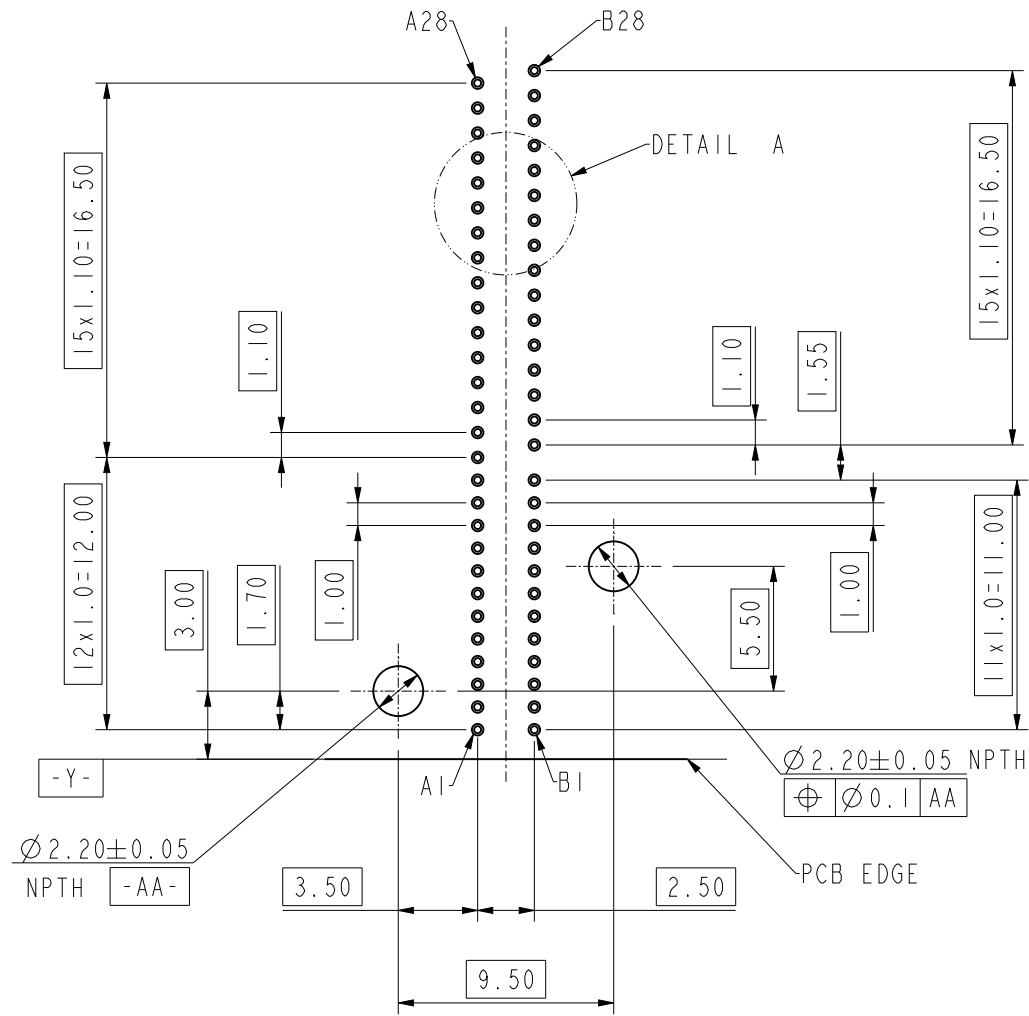
PLATING SPEC  
1 0.76UM AU MIN OVER 1.27UM MIN NI  
2 0.38UM AU MIN OVER 1.27UM MIN NI  
5 1.27UM AU MIN OVER 1.27UM MIN NI

spec ref	dr Jun.Fan	Sep.12,2023	<h1>Amphenol</h1>	MM	scale	size
tolerance std	eng Jun.Fan	Sep.12,2023		ecn no	3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED 0.X ± 0.25 0.XX ± 0.20 0.XXX ± 0.15 angular 0° ± 2°	rvwr			ELX-CD-49039-1	RELEASE	
	appr			rel level		
surface	projection	MINI COOL EDGE CONNECTOR 0.6MM PITCH_IXI_ORTH, 85 Ohm, Gen5	amphenol-icc.com	cat. no.	C ME300560231101X rev 7	
	product family	MINI COOL EDGE			sheet 1 of 6	



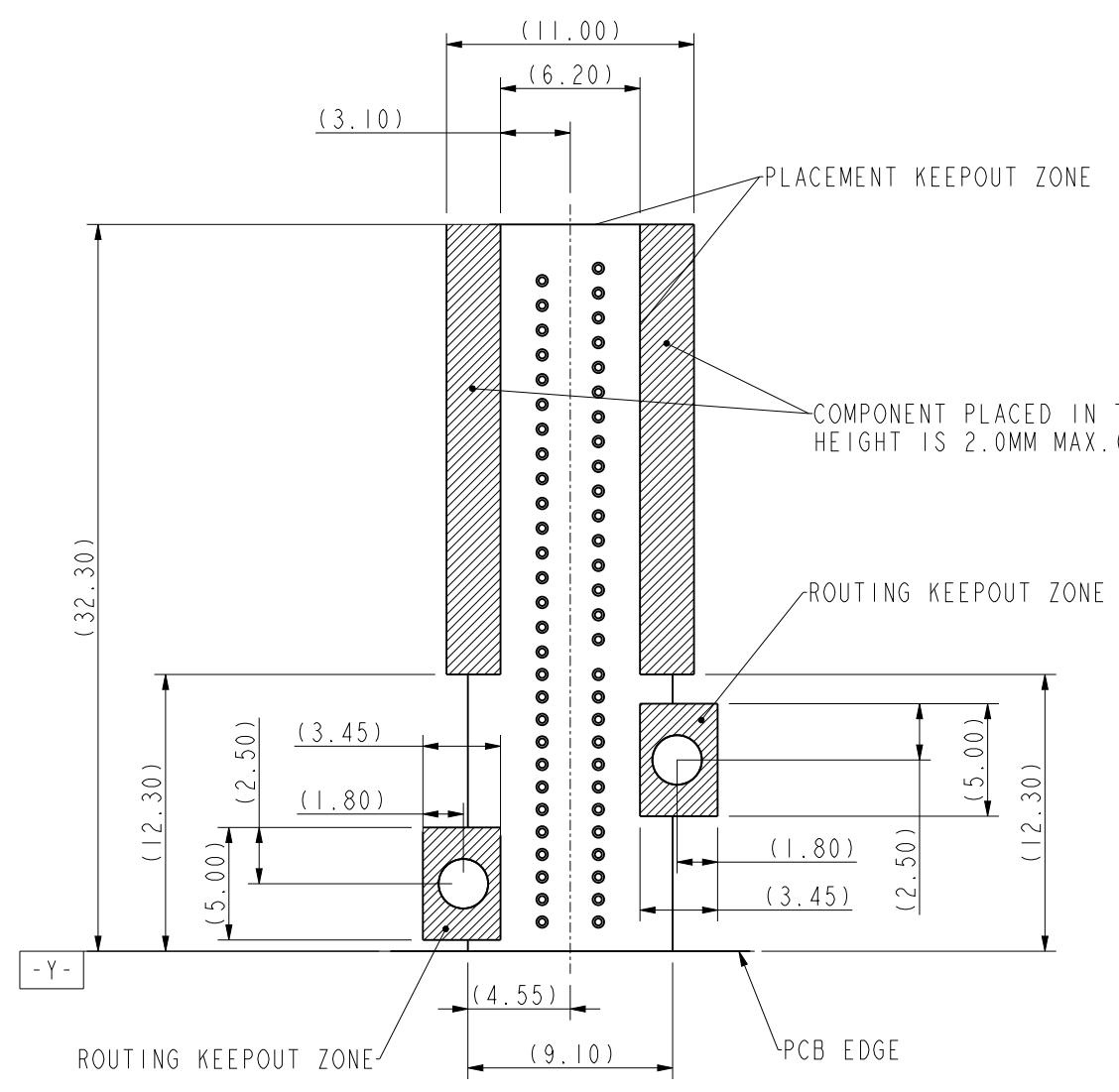
RECOMMENDED LAYOUT FOR MATING CARD, THICKNESS=1.57MM  
 GENERAL TOLERANCE ±0.05  
 FOLLOW EDSFF SPEC

spec ref		dr Jun. Fan Sep. 12, 2023		<h1>Amphenol</h1>	MM	scale 3:1	size A3
tolerance std		eng Jun. Fan Sep. 12, 2023			ecn no	ELX-CD-49039-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr			amphenol-icc.com		rel level
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR 0.6MM PITCH_IXI_ORTH, 85 Ohm, Gen5	cat. no. C ME300560231101X	rev 7
		0.XX	± 0.20				
		0.XXX	± 0.15				
	angular	0°	± 2°		product family	MINI COOL EDGE	sheet 2 of 6



RECOMMENDED PCB LAYOUT FOR DIFFERENTIAL APPLICATIONS  
 COMPONENT SIDE  
 GENERAL TOLERANCE ±0.05

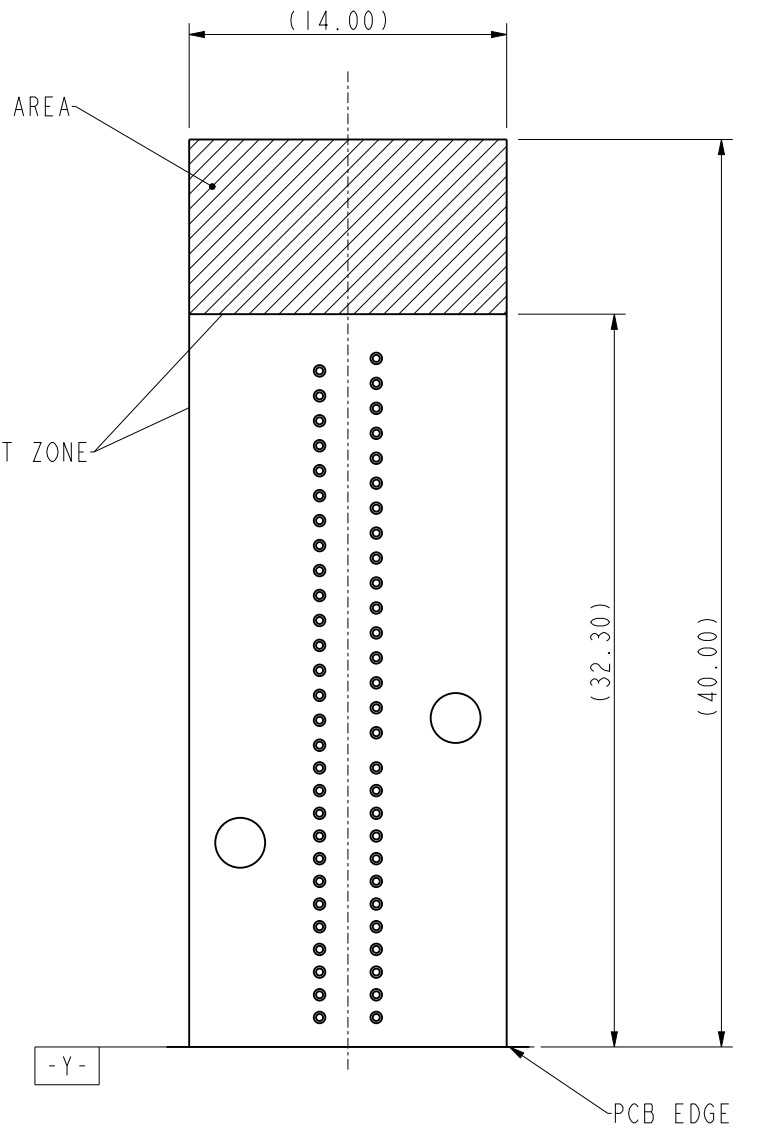
spec ref		dr	Jun. Fan	Sep. 12, 2023	<b>Amphenol</b>	MM	scale	size
tolerance std		eng	Jun. Fan	Sep. 12, 2023		←	3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED		rvwr				ecn no ELX-CD-49039-1		
		appr				rel level RELEASE		
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR		cat. no.	rev
	angular	0°	± 2°				C ME300560231101X	7
		product family			MINI COOL EDGE		sheet 3 of 6	



KEEP-OUT ZONE  
FOR INSTALLATION PROCEDURE  
(AMPHENOL INSTALLATION TOOLING: CE100541X1PF)

COMPONENT PLACED IN THIS SHADOW AREA  
HEIGHT IS 2.0MM MAX.

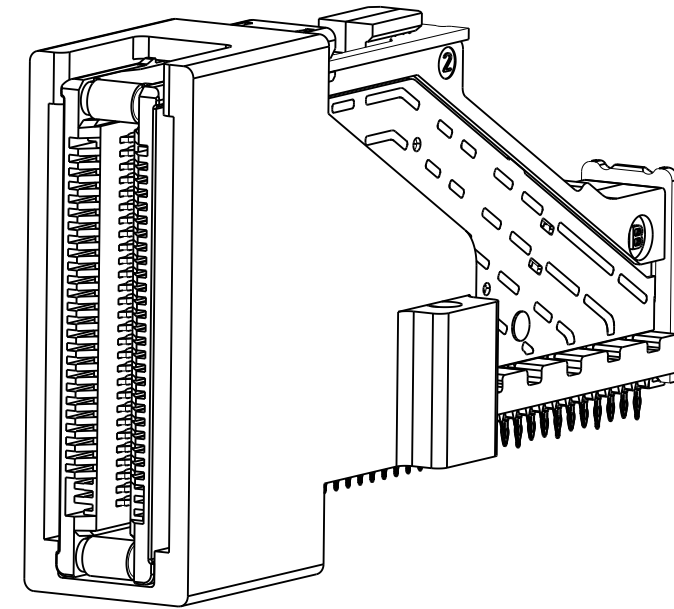
PLACEMENT KEEPOUT ZONE



KEEP-OUT ZONE  
FOR REMOVAL PROCEDURE  
(AMPHENOL REMOVAL TOOLING : ME20056RM001)

spec ref		dr	Jun. Fan	Sep. 12, 2023	<b>Amphenol</b>	MM	scale	size
tolerance std		eng	Jun. Fan	Sep. 12, 2023			3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED		rvwr					ecn no ELX-CD-49039-1	
		appr					rel level RELEASE	
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR	cat. no.	cat. no.	rev
		0.XX	± 0.20				C ME300560231101X	7
		0.XXX	± 0.15					
	angular	0°	± 2°		product family	MINI COOL EDGE	sheet 4 of 6	

Pin	Contact Sequence	Signal	Signal	Contact Sequence	Pin
B1	2nd mate	12V	GND	1st mate	A1
B2	2nd mate	12V	GND	1st mate	A2
B3	2nd mate	12V	GND	1st mate	A3
B4	2nd mate	12V	GND	1st mate	A4
B5	2nd mate	12V	GND	1st mate	A5
B6	2nd mate	12V	GND	1st mate	A6
B7	2nd mate	MFC	SMBCLK	2nd mate	A7
B8	2nd mate	RFU	SMBDAT	2nd mate	A8
B9	2nd mate	DUALPORTEN#	SMBRST#	2nd mate	A9
B10	2nd mate	PERST0#	LED#/ACTIVITY	2nd mate	A10
B11	2nd mate	3.3VAux	PERST1#/CLKREQ#	2nd mate	A11
B12	2nd mate	PWRDIS	PRSNT0#	2nd mate	A12
B13	1st mate	GND	GND	1st mate	A13
B14	2nd mate	RFFCLKn0	RFFCLKn1	2nd mate	A14
B15	2nd mate	RFFCLKp0	RFFCLKp1	2nd mate	A15
B16	1st mate	GND	GND	1st mate	A16
B17	2nd mate	PETn0	PERn0	2nd mate	A17
B18	2nd mate	PETp0	PERp0	2nd mate	A18
B19	1st mate	GND	GND	1st mate	A19
B20	2nd mate	PETn1	PERn1	2nd mate	A20
B21	2nd mate	PETp1	PERp1	2nd mate	A21
B22	1st mate	GND	GND	1st mate	A22
B23	2nd mate	PETn2	PERn2	2nd mate	A23
B24	2nd mate	PETp2	PERp2	2nd mate	A24
B25	1st mate	GND	GND	1st mate	A25
B26	2nd mate	PETn3	PERn3	2nd mate	A26
B27	2nd mate	PETp3	PERp3	2nd mate	A27
B28	1st mate	GND	GND	1st mate	A28

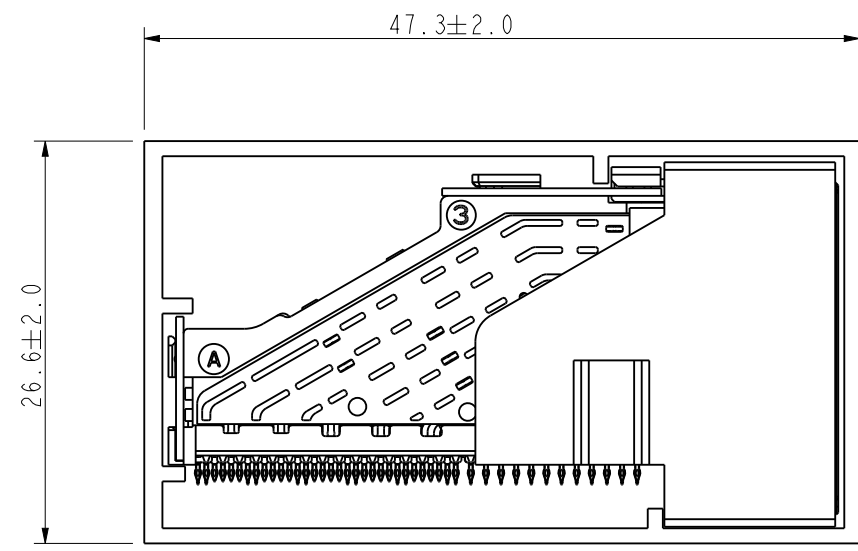


**NOTES:**

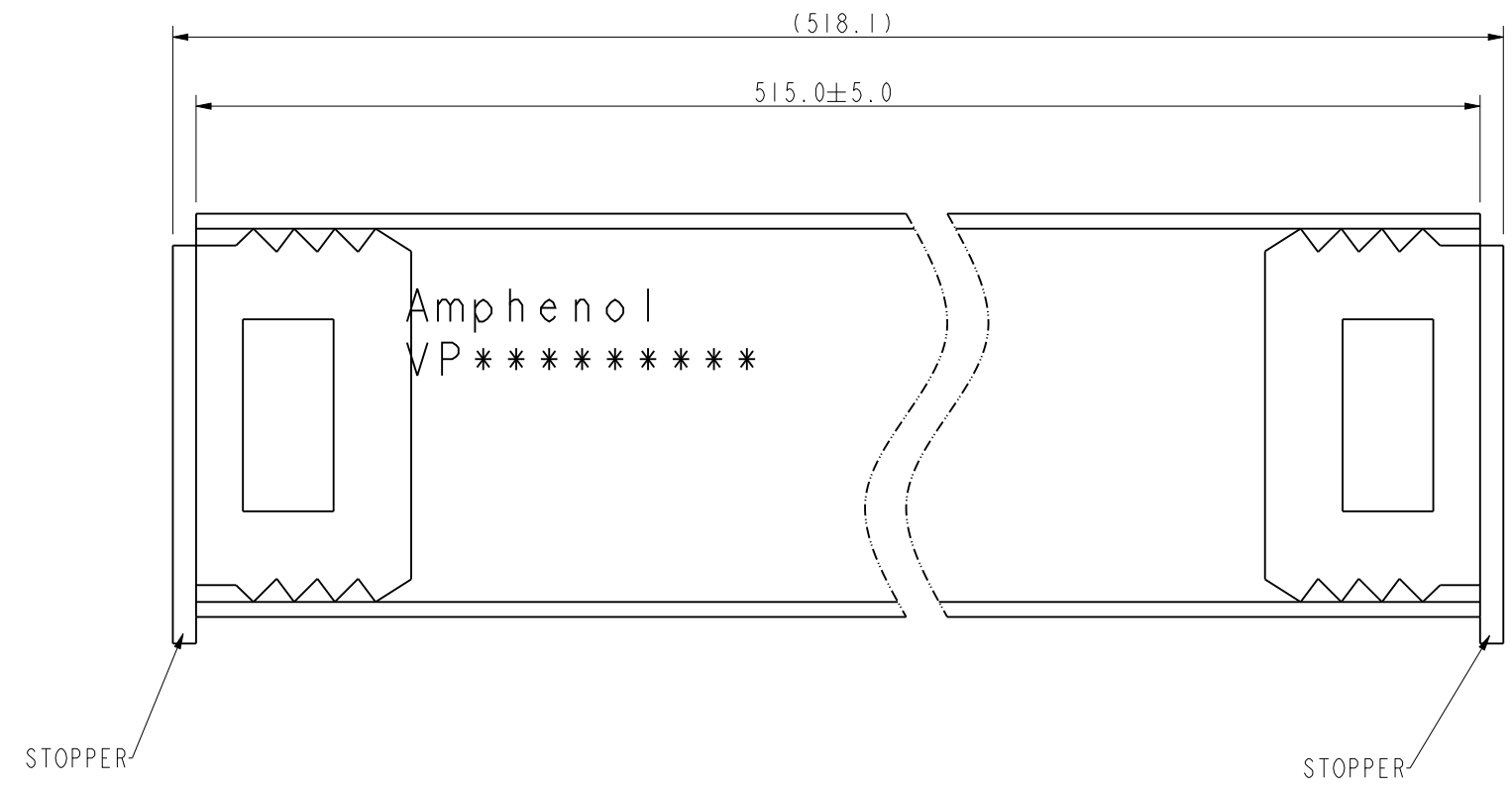
- CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94V-0  
 IMLA PLASTIC: HIGH TEMP THERMOPLASTTIC, BLACK, UL94V-0  
 SHIELD: CONDUCTIVE HIGH TEMP THERMOPLASTTIC BLACK UL94-V0  
 CONTACT: COPPER ALLOY  
 METAL KEY: COPPER ALLOY  
 METAL FRAMEWORK: ZN ALLOY  
 METAL STIFFENER: STAINLESS STEEL
- CONTACT PLATING:  
 SEPARABLE INTERFACE: SEE PLATING SPEC OVER 1.27UM MIN NICKEL UNDER PLATED.  
 PRESS-FIT TAILS: MATTE TIN OVER 1.27UM MIN NICKEL UNDER PLATED.
- PRODUCT MARKING, (PARTNUMBER & DATE CODE)
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC # SSN002 AND MEET HALOGEN FREE
- PCB DRILL HOLE AND PLATING SPEC SEE TABLE 1

CONNECTOR PINOUT DEFINITIONS  
 (EDSFF X4 DEVICE EDGE PINOUT)  
 CONNECTOR PIN A1~A6 AND PIN B1~B6 ARE LINKED TOGETHER RESPECTIVELY

spec ref		dr	Jun. Fan	Sep. 12, 2023	<b>Amphenol</b>	MM	scale	size
tolerance std		eng	Jun. Fan	Sep. 12, 2023			3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED		rivr					ecn no ELX-CD-49039-1	
		appr			rel level RELEASE			
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR	cat. no.	diag no	rev
	angular	0°	± 2°				C ME300560231101X	7
				product family	MINI COOL EDGE	sheet 5 of 6		



PACKING TUBE  
LEFT VIEW WITHOUT STOPPER



PACKING TUBE  
FRONT VIEW WITH STOPPER

NOTE:  
 1. TUBE MATERIAL: CLEAN PVC, ANTISTATIC, BLUE;  
 2. MATERIAL IS COMPLIANT TO ROHS AND HF;  
 3. PACKING QTY:  
     46 PCS/TUBE  
     460 PCS/CARTON

spec ref		dr Jun. Fan Sep. 12, 2023		<b>Amphenol</b>	MM	scale	size
tolerance std		eng Jun. Fan Sep. 12, 2023				3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED		r vwr				ecn no ELX-CD-49039-1	
		appr		rel level RELEASE			
surface	✓	linear	0.X ± 0.25	projection 	MINI COOL EDGE CONNECTOR	cat. no.	rev
			0.XX ± 0.20			C ME300560231101X	7
			0.XXX ± 0.15			0.6MM PITCH_IXI_ORTH, 85 Ohm, Gen5	
		angular	0° ± 2°		product family	MINI COOL EDGE	sheet 6 of 6