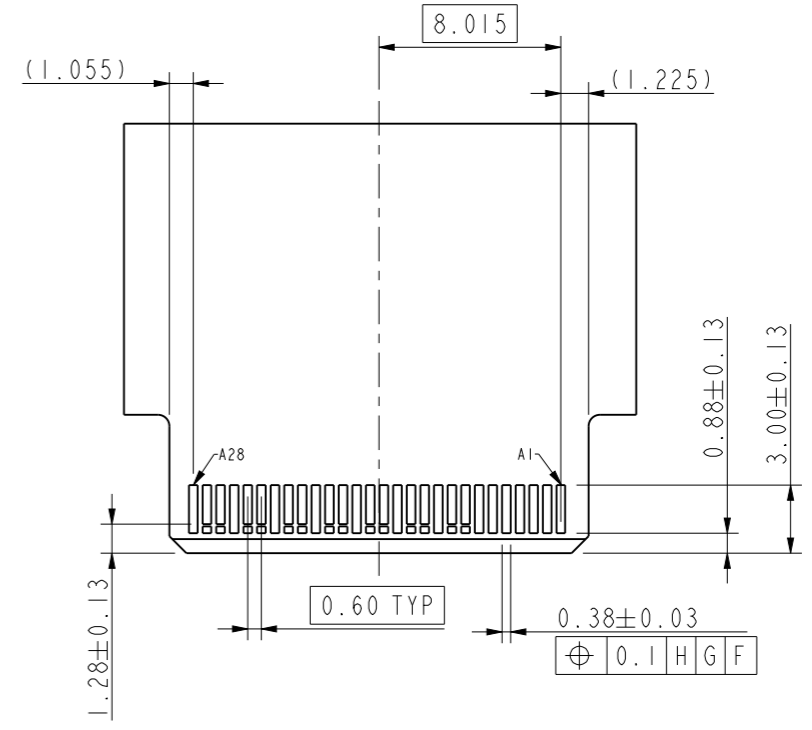
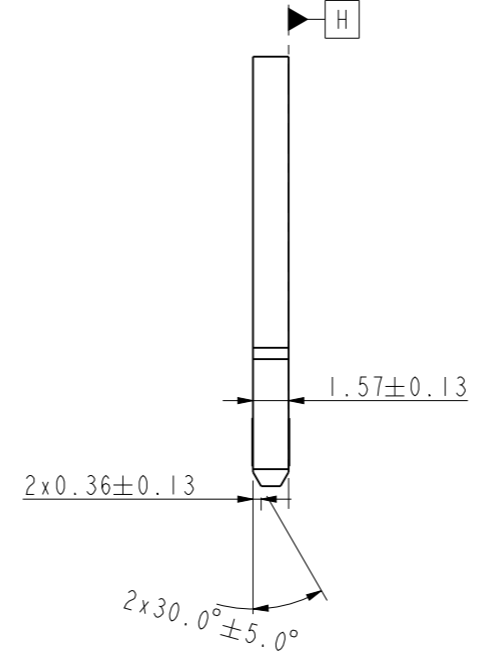
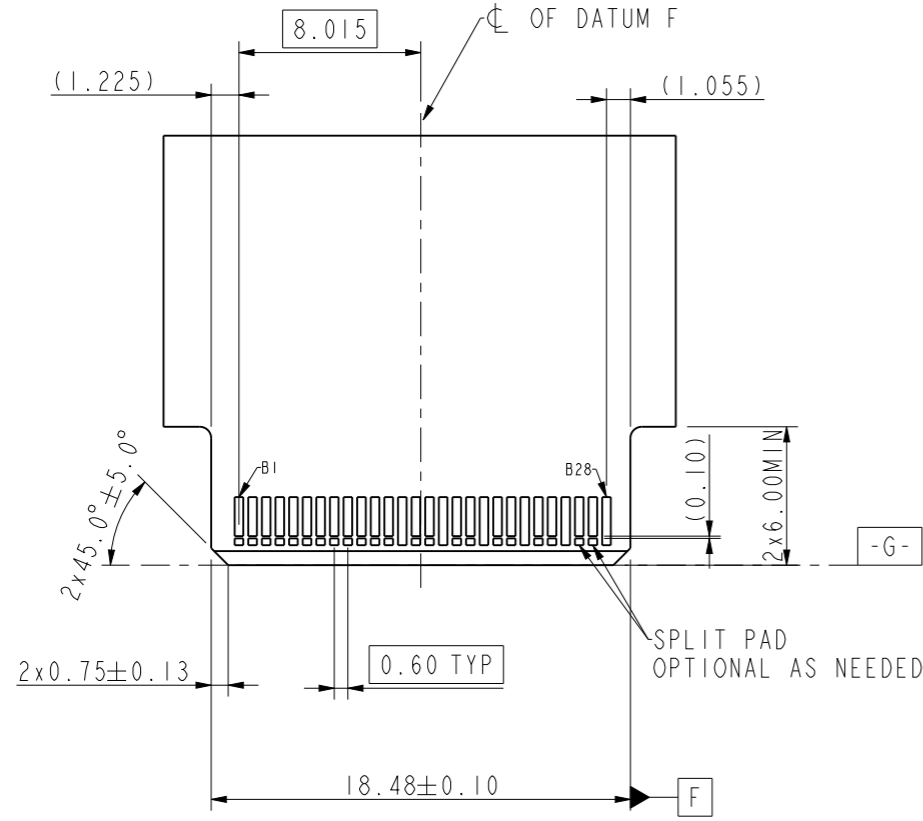


PART NUMBER SYSTEM
ME200560231104X

PLATING SPEC

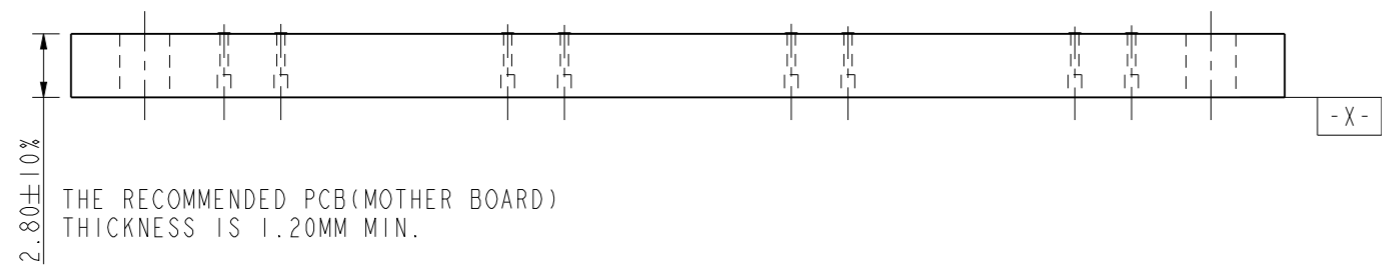
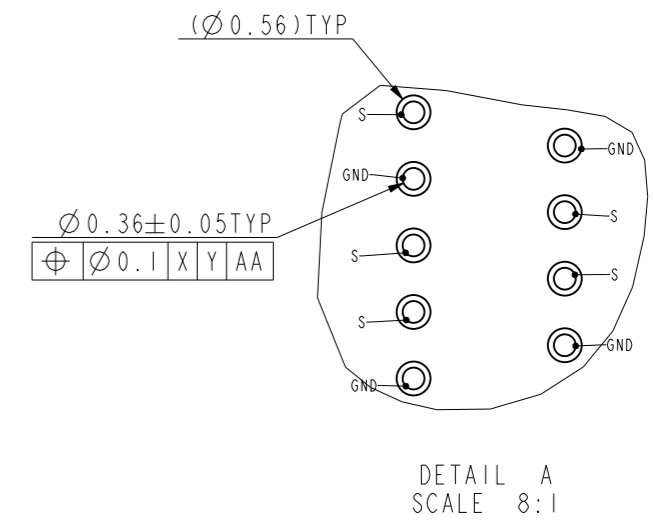
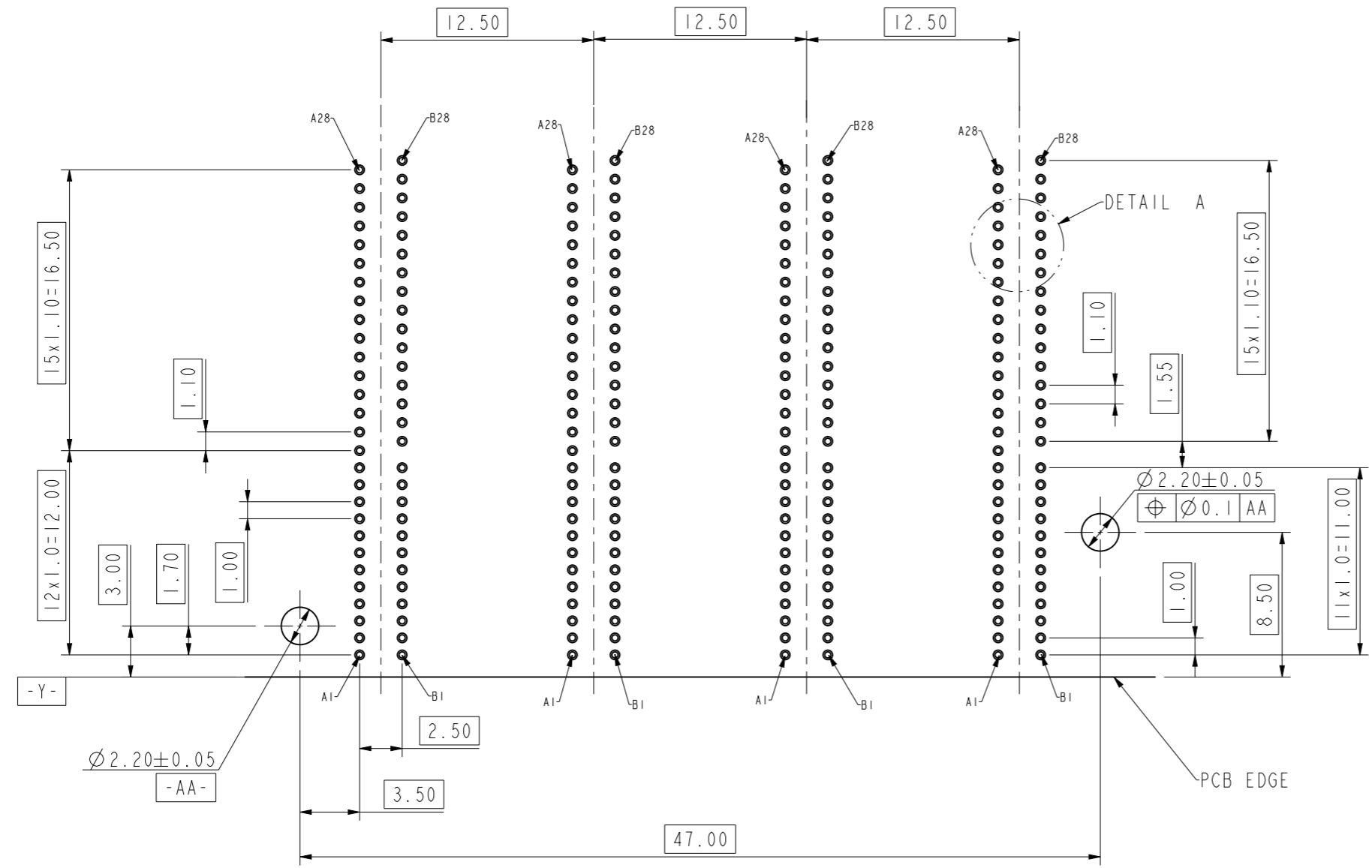
- 1 0.76UM AU MIN OVER 1.27UM MIN NI
- 2 0.38UM AU MIN OVER 1.27UM MIN NI
- 5 1.27UM AU MIN OVER 1.27UM MIN NI

spec ref	dr Jun.Fan	Apr. 21, 2021	Amphenol	MM	scale	size
tolerance std	eng Jun.Fan	Apr. 21, 2021		←	2:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED	rivr			ecn no	ECN2474	
	appr			rel level	RELEASE	
surface	linear	0.X ± 0.25	projection	title	MINI COOL EDGE CONNECTOR	cat. no.
		0.XX ± 0.20			56PIN_0.6MM PITCH_IX4-ORTH, 85 Ohm	rev
		0.XXX ± 0.15				18
	angular	0° ± 2°		product family	MINI COOL EDGE	sheet 1 of 6



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

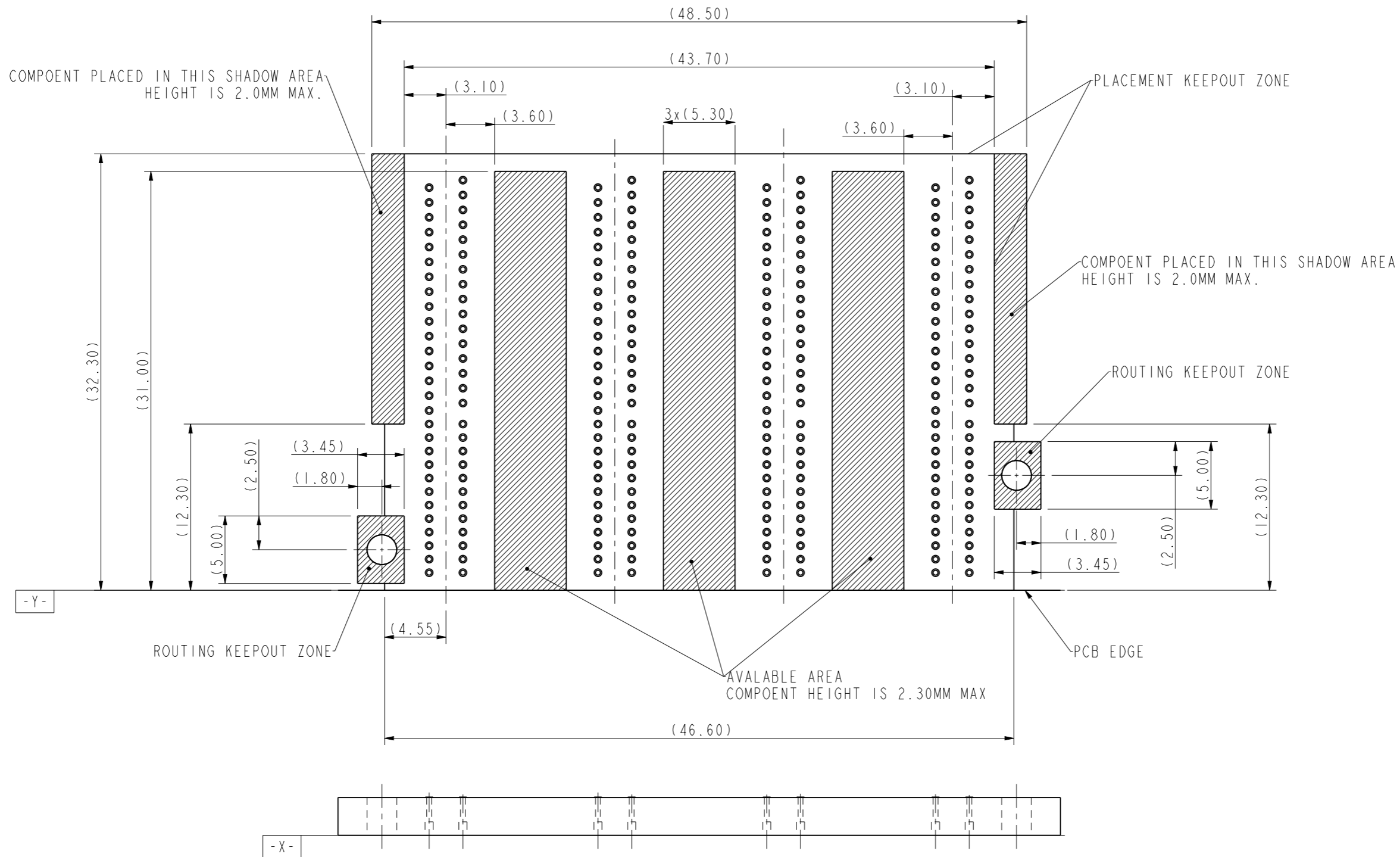
spec ref		dr Jun. Fan Apr. 21, 2021		<h1>Amphenol</h1>	MM	scale 3:1	size A3
tolerance std		eng Jun. Fan Apr. 21, 2021			ecn no ECN2474		
TOLERANCES UNLESS OTHERWISE SPECIFIED		r vwr			rel level RELEASE		
surface		appr		amphenol-icc.com		cat. no. C ME200560231104X	
<input checked="" type="checkbox"/> linear <input type="checkbox"/> angular	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR 56PIN_0.6MM PITCH_1X4_ORTH, 85 Ohm		rev 18	
	0.XX	± 0.20		product family MINI COOL EDGE		sheet 2 of 6	
	0.XXX	± 0.15					
	0°	± 2°					



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

PLATING TYPE	COPPER OSP
DRILL HOLE Ø	0.40 - 0.46
Cu PLATING NOTE 1	0.025-0.045
FINISH HOLE	0.31 - 0.41

spec ref	dr Jun. Fan	Apr. 21, 2021	Amphenol	MM	scale	size
tolerance std	eng Jun. Fan	Apr. 21, 2021		←	3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED	rvwr			ecn no	ECN2474	
	appr			rel level	RELEASE	
surface	linear	0.X ± 0.25	projection	amphenol-icc.com		
		0.XX ± 0.20	title	MINI COOL EDGE CONNECTOR		
		0.XXX ± 0.15	56PIN_0.6MM PITCH_1X4_ORTH, 85 Ohm	cat. no.	C ME200560231104X	
	angular	0° ± 2°	product family	MINI COOL EDGE	rev	18
					sheet 3 of 6	

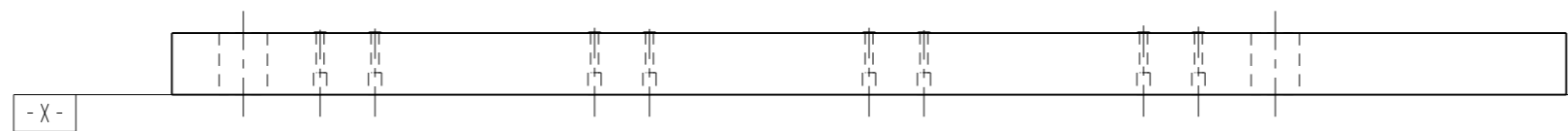
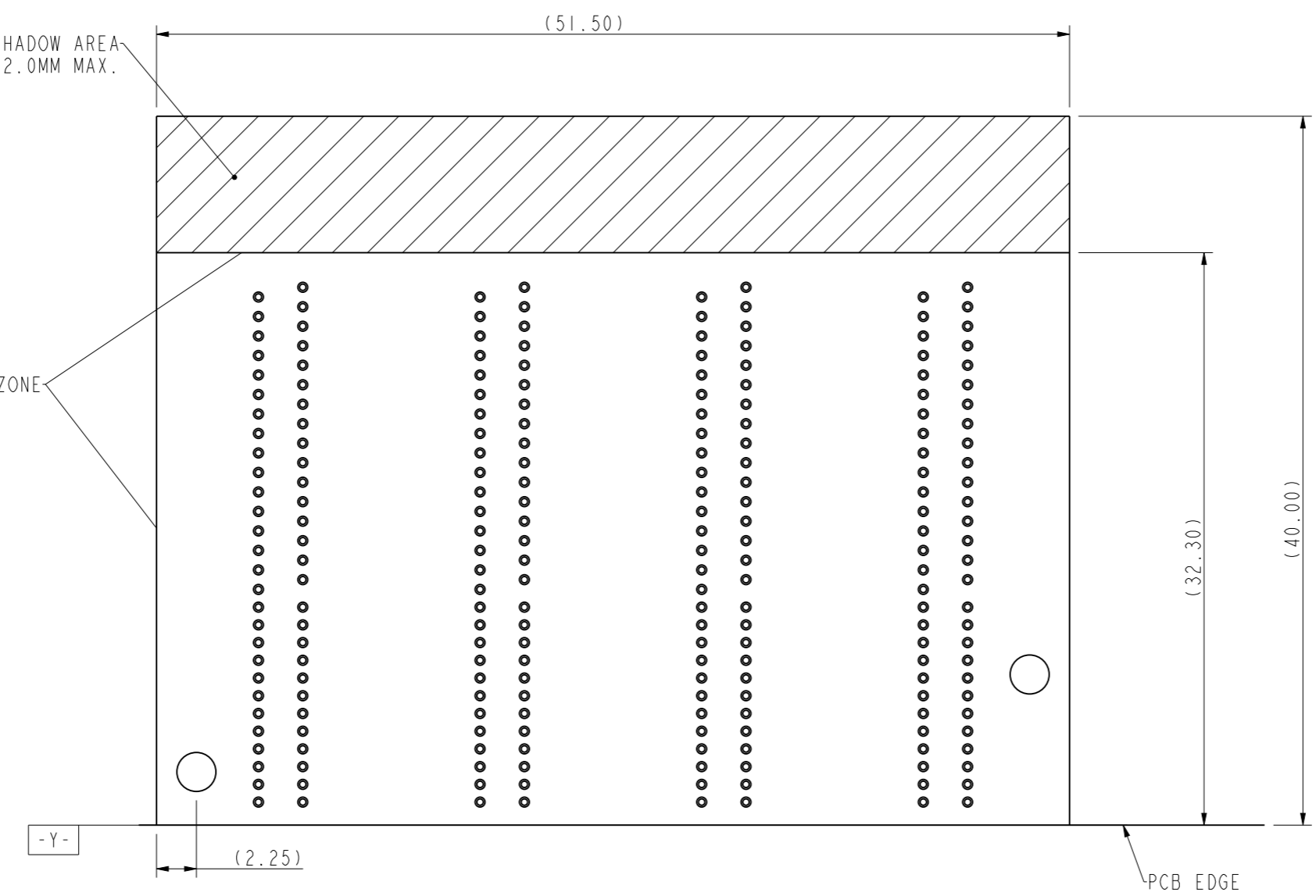


KEEPOUT ZONE
FOR INSTALLATION PROCEDURE
(APMPHENOL INSTALLATION TOOLING:CEI00541X4PF)

spec ref		dr	Jun. Fan	Apr. 21, 2021	Amphenol	MM	scale	size				
tolerance std		eng	Jun. Fan	Apr. 21, 2021			3:1	A3				
TOLERANCES UNLESS OTHERWISE SPECIFIED		rivr					ecn no ECN2474					
		appr			rel level RELEASE							
surface	✓	linear	0.X	± 0.25	projection	title	MINI COOL EDGE CONNECTOR		cat. no.	rev		
			0.XX	± 0.20			56PIN_0.6MM PITCH_1X4_ORTH, 85 Ohm				C ME200560231104X	18
			0.XXX	± 0.15								
		angular	0°	± 2°			product family MINI COOL EDGE		sheet 4 of 6			

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

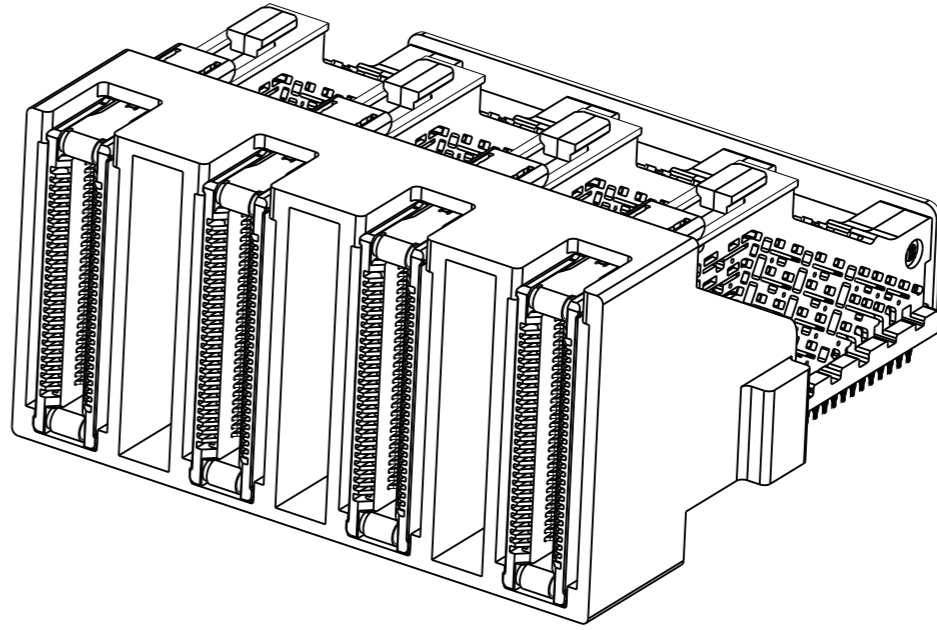
PLACEMENT KEEPOUT ZONE



KEEPOUT ZONE
FOR REMOVAL PROCEDURE
(AMPHENOL REMOVAL TOOLING :ME20056RM002)

spec ref		dr	Jun. Fan	Apr. 21, 2021	Amphenol	MM	scale	size
tolerance std		eng	Jun. Fan	Apr. 21, 2021		←	3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED		r vwr				ecn no	ECN2474	
		appr			amphenol-icc.com		rel level	RELEASE
surface	linear	0.X	± 0.25	projection	MINI COOL EDGE CONNECTOR	cat. no.	C ME200560231104X	rev
		0.XX	± 0.20					
		0.XXX	± 0.15					
	angular	0°	± 2°		56PIN_0.6MM PITCH_1X4_ORTH, 85 Ohm			18
					product family	MINI COOL EDGE		sheet 5 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 THERMOPLASTIC, BLACK, UL94V-0
 SHIELD: CONDUCTIVE HIGH TEMP THERMOPLASTIC 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	Apr. 21, 2021		MM	scale	size
tolerance std	eng Jun. Fan	Apr. 21, 2021		ecn no	3:1	A3
TOLERANCES UNLESS OTHERWISE SPECIFIED	r vwr			amphenol-icc.com	rel level	RELEASE
	appr			product family	MINI COOL EDGE	sheet 6 of 6
surface	linear	0.X ± 0.25 0.XX ± 0.20 0.XXX ± 0.15	projection		MINI COOL EDGE CONNECTOR 56PIN_0.6MM PITCH_IX4-ORTH, 85 Ohm	cat. no. C ME200560231104X
	angular	0° ± 2°			rev	18