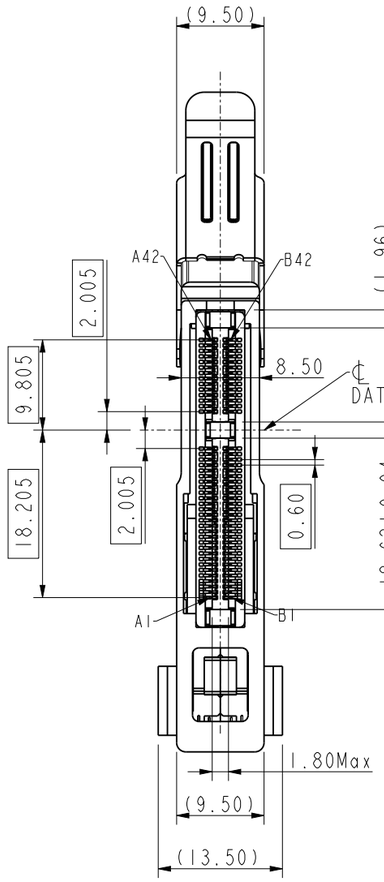
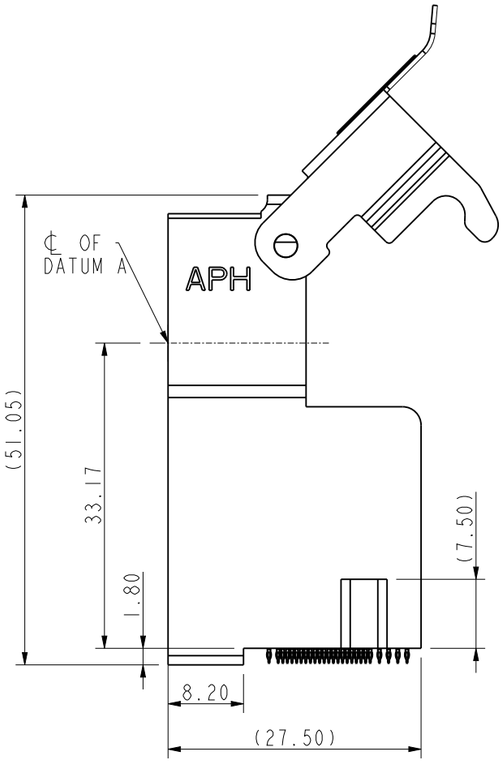
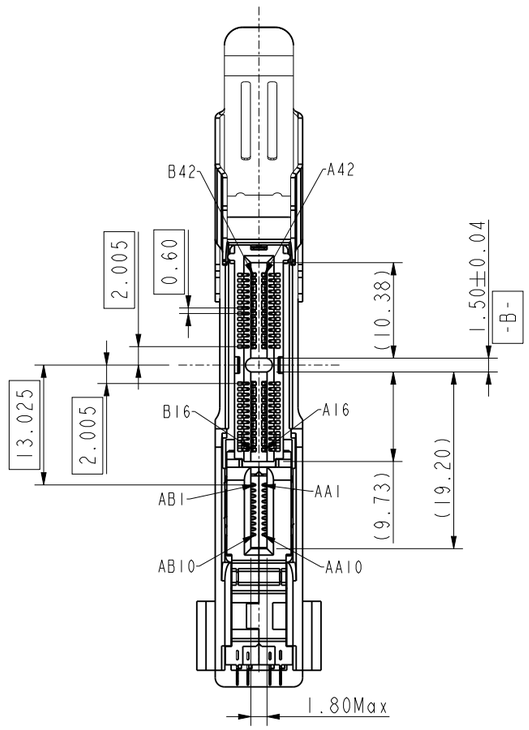
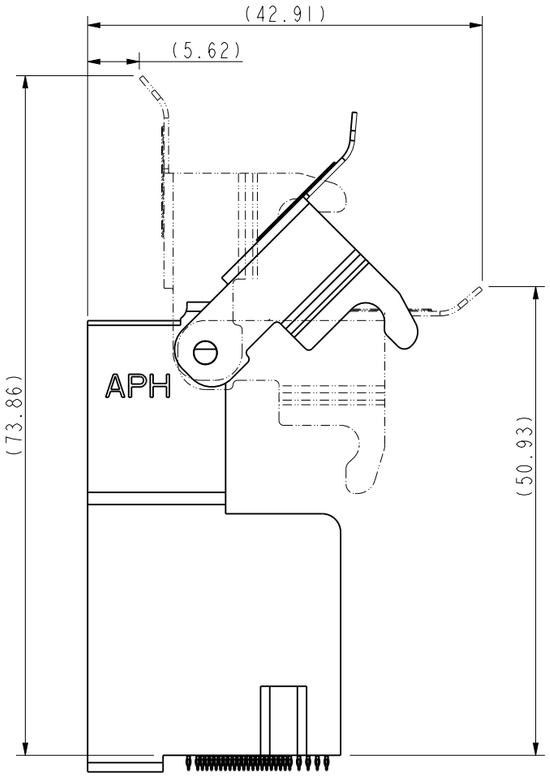
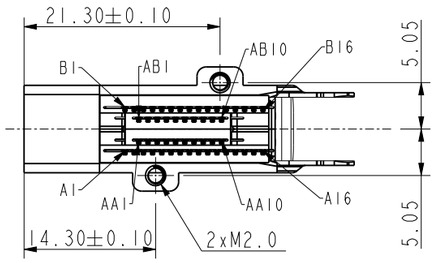
revision history				
rev	ecn no	description	dr	date
A	ELX-CD-F3372-1	OFFICIAL RELEASE	JF	2024/04/29
B	ELX-CD-54601-1	UPDATE DRAWING TITLE BOX	JF	2025/02/12











PART NUMBER SYSTEM
MET00840241301X

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	2024/05/01	Amphenol
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jun Fan	2025/10/28	MM / scale 3:2 / size A3
				rvwr	Mark Qiu	2025/11/27	ecn no ELX-CD-54601-1
				appr	Cat Zeng	2025/12/09	amphenol-icc.com / rel level Released
surface	linear	0.X	± 0.25	projection	title	COOL EXPRESS LINK CONNECTOR	dwg no C MET00840241301X / rev B
		0.XX	± 0.20			0.6MM_HYBRID,84+20PIN,85Ohm,Gen6,E3	cat. no.
		0.XXX	± 0.15				
	angular	0°	± 2°		product family	COOL EXPRESS LINK	sheet 1 of 3

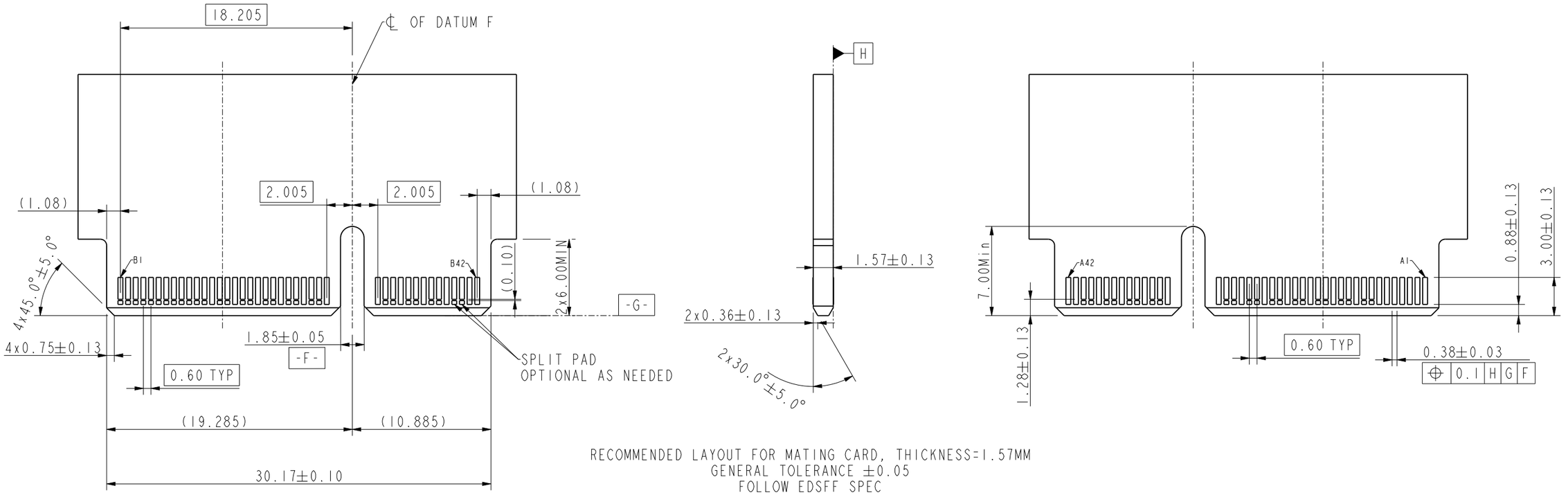
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Creo File:APH-A3C,REV C,2024-02-05

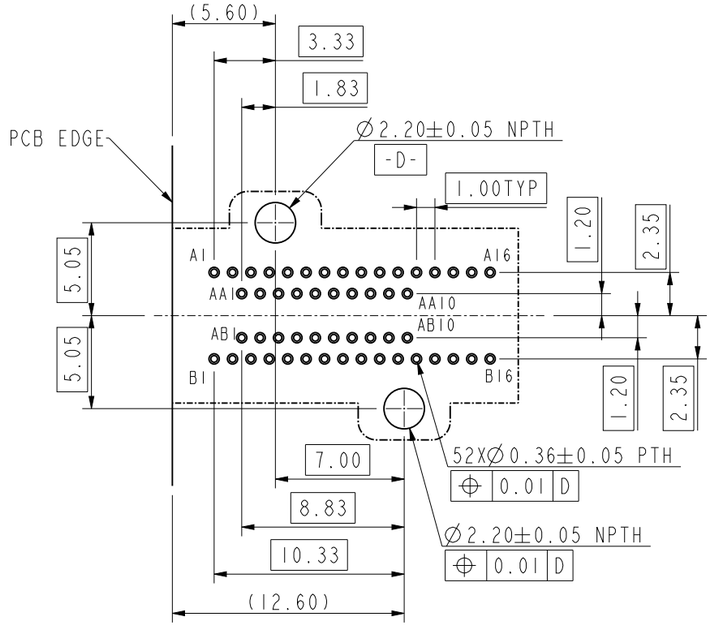
PDS: Rev :B

STATUS:Released

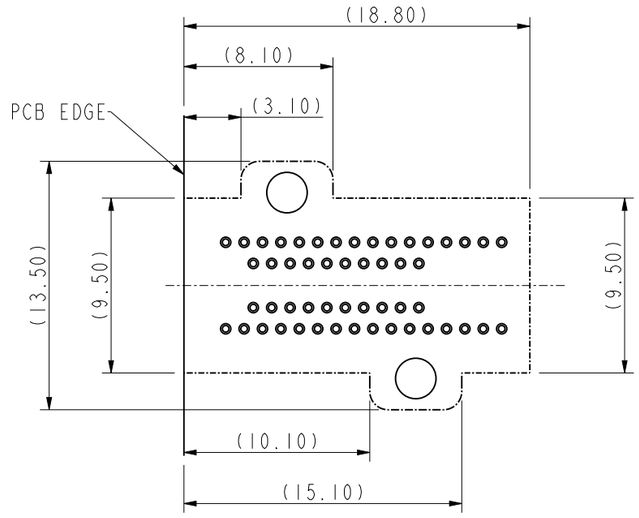
Printed: Dec 10, 2025



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



RECOMMENDED LAYOUT FOR MOUNTING PCB
GENERAL TOLERANCE ±0.05



RECOMMENDED KEEPOUT FOR MOUNTING PCB
GENERAL TOLERANCE ±0.05

spec ref				dr	Jun Fan	2024/05/01	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jun Fan	2025/10/28	
				rvwr	Mark Qiu	2025/11/27	
				appr	Cat Zeng	2025/12/09	
surface	linear	0.X	± 0.25	projection			
		0.XX	± 0.20				
		0.XXX	± 0.15				
	angular	0°	± 2°				

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MM | scale 3:1 | size A3
ecn no ELX-CD-54601-1
rel level Released

title: COOL EXPRESS LINK CONNECTOR
0.6MM_HYBRID,84+20PIN,85Ohm,Gen6,E3
dwg no C_MET00840241301X
cat. no.
rev B
product family: COOL EXPRESS LINK
sheet 2 of 3

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Creo File:APH-A3C,REV C,2024-02-05

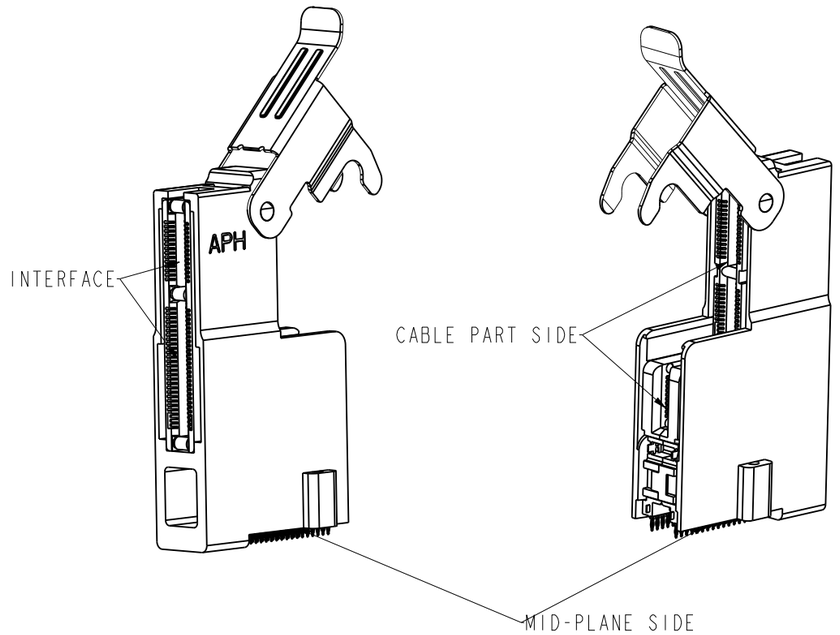
PDS: Rev :B
STATUS:Released
Printed: Dec 10, 2025

ORIGIN	Pin	Signal	Pin	END
INTERFACE	B1	12V	B1	MID-PLANE SIDE
	B2	12V	B2	
	B3	12V	B3	
	B4	12V	B4	
	B5	12V	B5	
	B6	12V	B6	
	B7	MFC	B7	
	B8	RFU	B8	
	B9	DUALPORTEN#	B9	
	B10	PERST0#	B10	
	B11	3.3VAux	B11	
	B12	PWRDIS	B12	
	B13	GND	B13	
	B14	RFFCLKn0	B14	
	B15	RFFCLKp0	B15	
	B16	GND	B16	
			B16	CABLE PART SIDE
	B17	PETn0	B17	
	B18	PETp0	B18	
	B19	GND	B19	
	B20	PETn1	B20	
	B21	PETp1	B21	
	B22	GND	B22	
	B23	PETn2	B23	
	B24	PETp2	B24	
	B25	GND	B25	
	B26	PETn3	B26	
	B27	PETp3	B27	
	B28	GND	B28	
	MECHANICAL KEY			
	B29	GND	B29	
	B30	PETn4	B30	
	B31	PETp4	B31	
	B32	GND	B32	
	B33	PETn5	B33	
	B34	PETp5	B34	
	B35	GND	B35	
	B36	PETn6	B36	
	B37	PETp6	B37	
	B38	GND	B38	
	B39	PETn7	B39	
	B40	PETp7	B40	
	B41	GND	B41	
	B42	PSENTI#	B42	

END	Pin	Signal	Pin	ORIGIN
MID-PLANE SIDE	A1	GND	A1	INTERFACE
	A2	GND	A2	
	A3	GND	A3	
	A4	GND	A4	
	A5	GND	A5	
	A6	GND	A6	
	A7	SMBCLK	A7	
	A8	SMBDAT	A8	
	A9	SMBRST#	A9	
	A10	LED#/ACTIVITY	A10	
	A11	PERST1#/CLKREQ#	A11	
	A12	PRSNT0#	A12	
	A13	GND	A13	
	A14	RFFCLKn1	A14	
	A15	RFFCLKp1	A15	
	A16	GND	A16	
	A16			CABLE PART SIDE
	A17	PERn0	A17	
	A18	PERp0	A18	
	A19	GND	A19	
	A20	PERn1	A20	
	A21	PERp1	A21	
	A22	GND	A22	
	A23	PERn2	A23	
	A24	PERp2	A24	
	A25	GND	A25	
	A26	PERn3	A26	
	A27	PERp3	A27	
	A28	GND	A28	
	MECHANICAL KEY			
	A29	GND	A29	
	A30	PERn4	A30	
	A31	PERp4	A31	
	A32	GND	A32	
	A33	PERn5	A33	
	A34	PERp5	A34	
	A35	GND	A35	
	A36	PERn6	A36	
	A37	PERp6	A37	
	A38	GND	A38	
	A39	PERn7	A39	
	A40	PERp7	A40	
	A41	GND	A41	
	A42	RFU	A42	

ORIGIN	Pin	Signal	Pin	END
MID-PLANE SIDE	AB1	side band	AB1	CABLE PART SIDE
	AB2	side band	AB2	
	AB3	side band	AB3	
	AB4	side band	AB4	
	AB5	side band	AB5	
	AB6	side band	AB6	
	AB7	side band	AB7	
	AB8	side band	AB8	
	AB9	side band	AB9	
	AB10	side band	AB10	

END	Pin	Signal	Pin	ORIGIN
CABLE PART SIDE	AA1	side band	AA1	MID-PLANE SIDE
	AA2	side band	AA2	
	AA3	side band	AA3	
	AA4	side band	AA4	
	AA5	side band	AA5	
	AA6	side band	AA6	
	AA7	side band	AA7	
	AA8	side band	AA8	
	AA9	side band	AA9	
	AA10	side band	AA10	



NOTES:
1. CONNECTOR MATERIALS:
   HOUSING: HIGH TEMP THERMOPLASTIC,NATURAL,UL94V-0
   IMLA PLASTIC: HIGH TEMP THERMOPLASTTIC,BLACK,UL94V-0
   CONTACT: COPPER ALLOY
   METAL KEY: COPPER ALLOY
   METAL FRAMEWORK:ZINC ALLOY
   METAL STIFFENER:STAINLESS STEEL
2. 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.
3. PRODUCT MARKING:PARTNUMBER AND DATE CODE
4. PRODUCT IS COMPLIANT TO TOHS AND HALOGEN FREE
5. POWER PINS (A1~A6 and B1~B6) ARE LINGKED TOGETHER.

CONNECTOR PINOUT DEFINITIONS
(EDSFF X16 DEVICE EDGE PINOUT)

spec ref				dr	Jun Fan	2024/05/01
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jun Fan	2025/10/28
				rvwr	Mark Qiu	2025/11/27
				appr	Cat Zeng	2025/12/09
surface	linear	0.X	± 0.25	projection		
		0.XX	± 0.20			
		0.XXX	± 0.15			
	angular	0°	± 2°			

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MM | scale 2:1 | size A3
ecn no ELX-CD-54601-1
rel level Released

title: COOL EXPRESS LINK CONNECTOR
0.6MM_HYBRID,84+20PIN,85Ohm,Gen6,E3
dwg no C_MET00840241301X | rev B
cat. no.
product family: COOL EXPRESS LINK | sheet 3 of 3

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Creo File:APH-A3C,REV C,2024-02-05

PDS: Rev :B | STATUS:Released | Printed: Dec 10, 2025