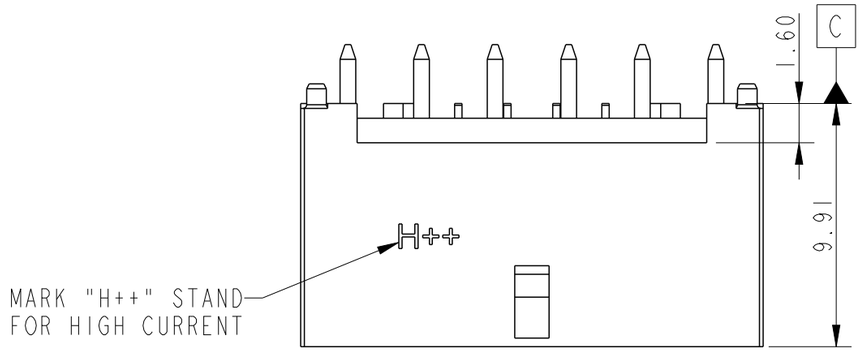
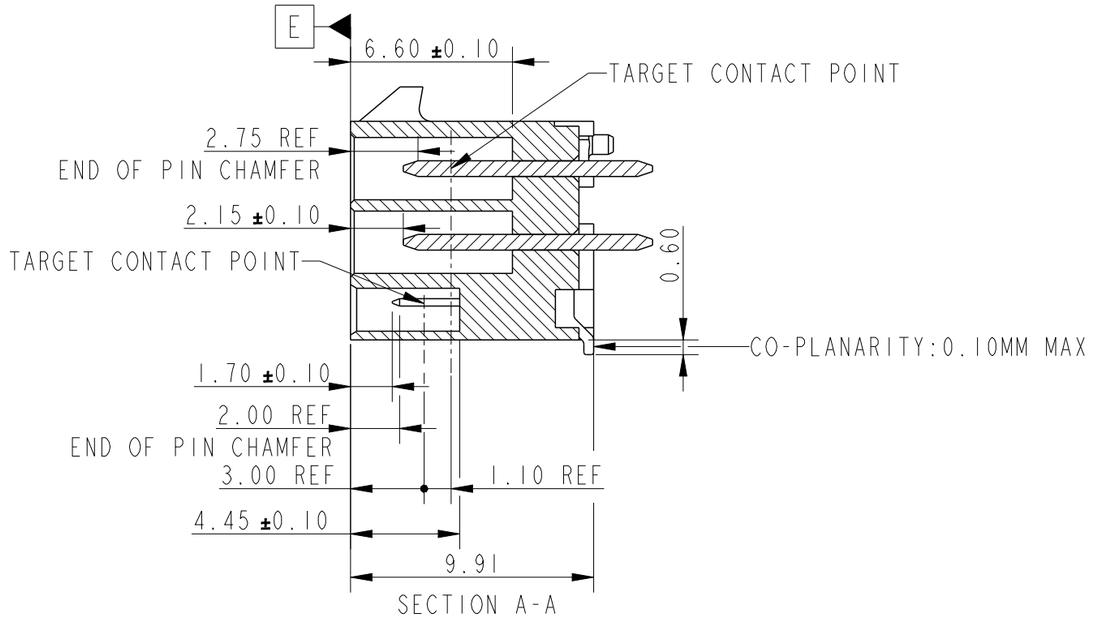
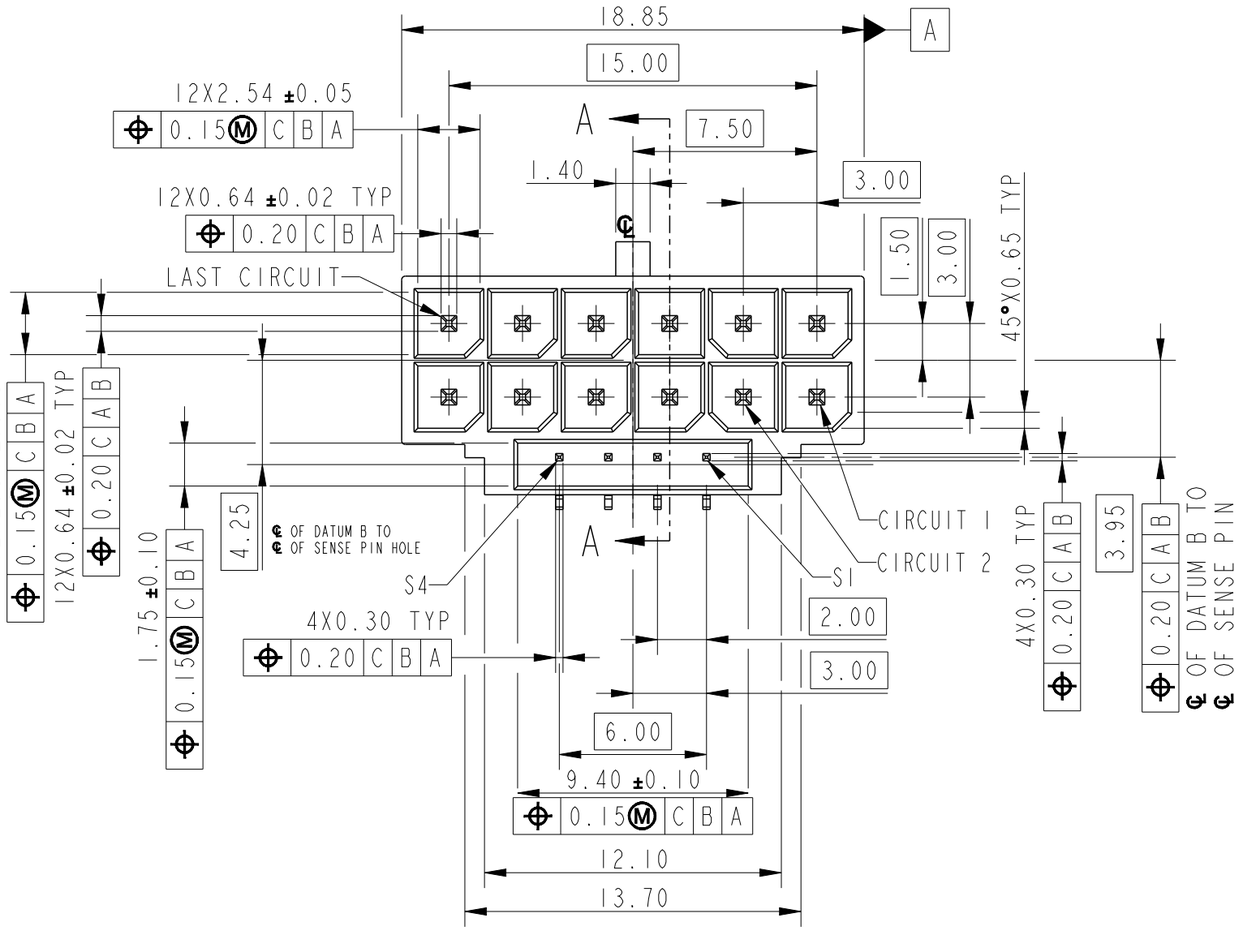
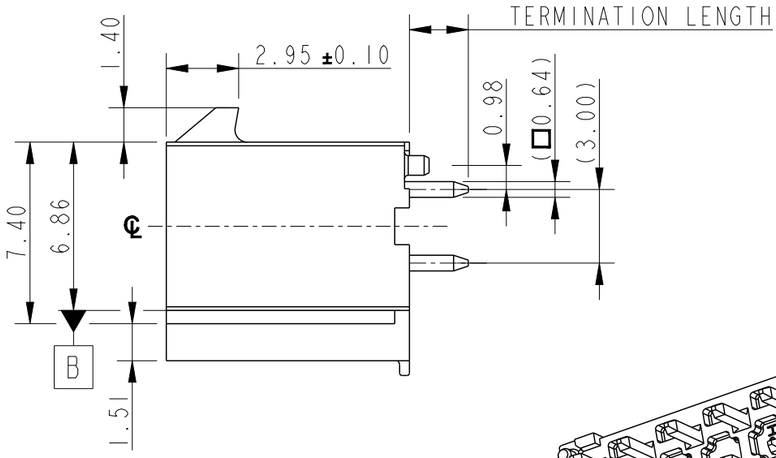
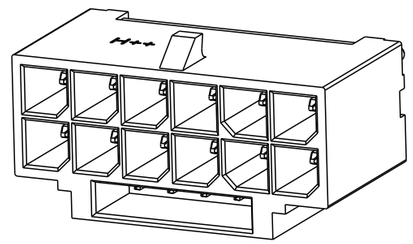
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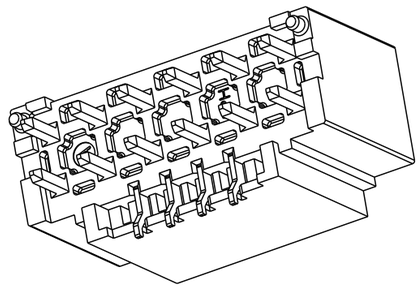












spec ref			dr	Premchand, Pra	2025/04/23	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Premchand, Pra	2025/05/23		
			chr	-	-		
			appr	Kuriakose, San	2025/05/27	product family	MINITEK POWER
surface - ISO 1302	linear	0.X ±0.25					
		0.XX ±0.20					
		0.XXX ±0					
	angular	0° ±2°					

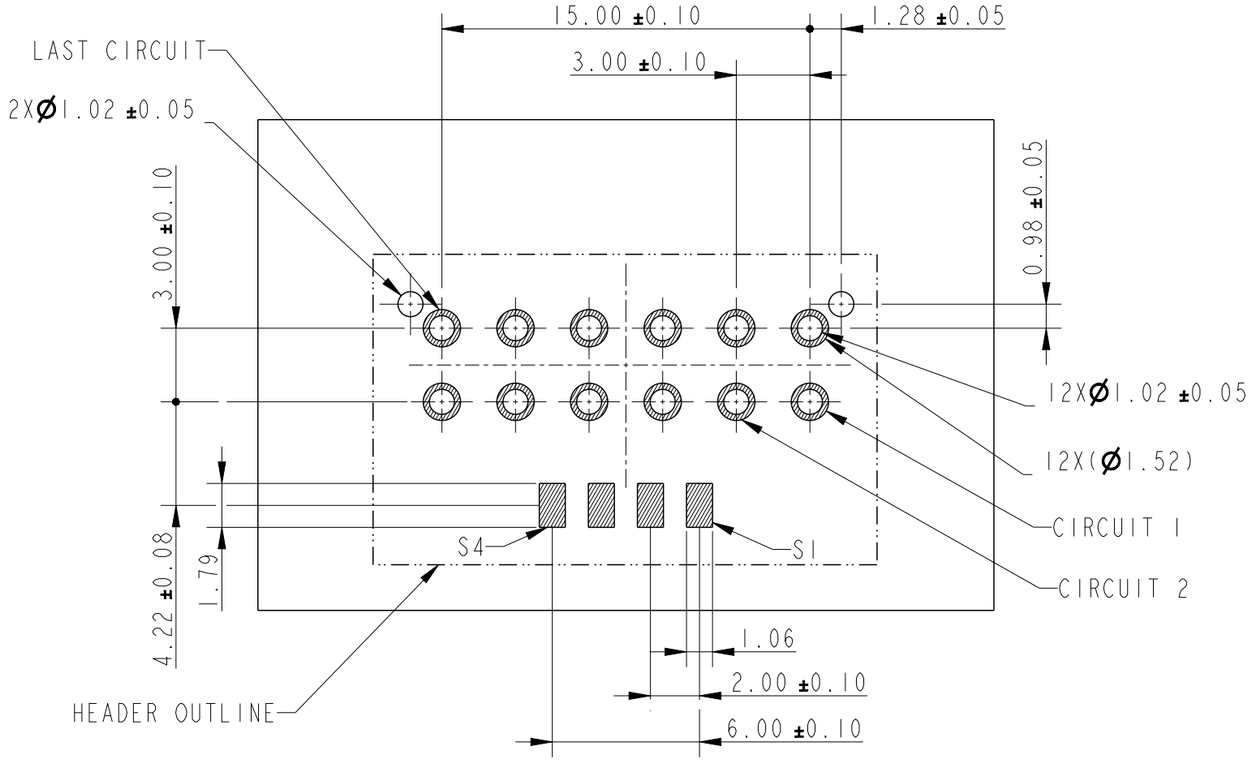
size A3	scale 4:1			
ecn no ELX-I-55868-1				
rel level **Released**				
Amphenol FCi	title HYBRID TH+SMT VERTICAL HEADER MINITEK POWER CEM-5 12V-2X6	dwg no 10176941	rev **B**	
amphenol-icc.com	cat. no. -	Product - Customer Drw	sheet 1 of 2	

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Creo File:ELX-WC-A3C,REV F,2020-12-21

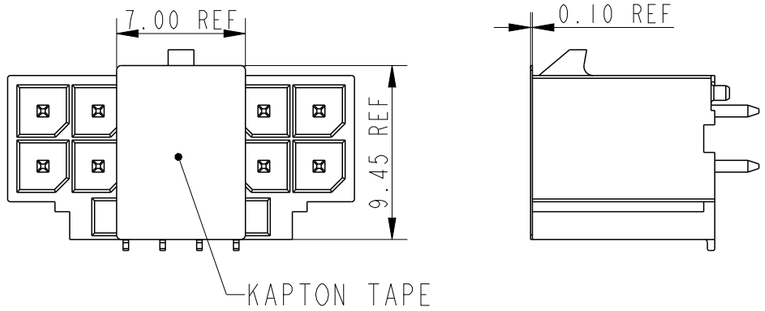
PDS: Rev :B STATUS:Released Printed: May 28, 2025

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RECOMMENDED PCB LAYOUT2, PCB THICKNESS:- 2.29~2.40MM
UNSPECIFIED TOLERANCE ±0.05MM

VIEW WITH KAPTON TAPE



NOTE :

1. MATERIAL:
   HOUSING: HIGH TEMP. THERMOPLASTIC, LCP UL94V-0,
   COLOUR: BLACK, GLOW WIRE COMPATIBLE
   CONTACT: COPPER ALLOY.
2. CONTACT FINISH
   CONTACT AREA : OPTIONAL PLATING, SEE PART NUMBER LOGIC.
   SOLDER AREA : 100µ" MINIMUM MATTE TIN.
   UNDER PLATING : 50µ" MIN NICKEL UNDERPLATED.
3. MATE WITH AMPHENOL RECEPTACLE: 10161719, 10168565 & 10171526
4. PRODUCT SPECIFICATION : GS-12-1706
5. PACKING SPECIFICATION : GS-14-2802
6. APPLICATION SPECIFICATION : GS-20-0704
7. IN ACCORDANCE WITH PCIE SPECIFICATION REV 5.1,VER 1
8. THIS PRODUCT IS TOOLED UP.
9. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW OVEN.
10. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER
11. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
12. PART NUMBER LOGIC

10176941-XX X X X X X LF

NO OF POWER PINS LOADED:
12 : 12 PINS

NO OF SIGNAL PINS LOADED:
4 : 4 PINS

TERMINATION:
1 : 2.40MM
2 : 3.18MM
3 : 3.55MM

PLATING OPTION:
1 : 100µ" MIN MATTE TIN OVERALL
2 : 15µ" MIN GOLD ON CONTACT AREA
3 : 30µ" MIN GOLD ON CONTACT AREA

PACKING OPTION:
1 : TAPE AND REEL WITH KAPTON TAPE
2 : TAPE AND REEL WITHOUT KAPTON TAPE

LOADING OPTION:
0 : STANDARD

spec ref				dr	Premchand, Pra	2025/04/23	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Premchand, Pra	2025/05/23		
				chr	-	-		
				appr	Kuriakose, San	2025/05/27	product family	MINITEK POWER
surface - ISO 1302	linear	0.X	±0.25	Amphenol FCi	title	HYBRID TH+SMT VERTICAL HEADER	dwg no	10176941
		0.XX	±0.20			MINITEK POWER CEM-5 12V-2X6		
		0.XXX	±0	amphenol-icc.com	cat. no.	-	Product - Customer Drw	
	angular	0°	±2°					

size	scale	rev
A3	3:1	B

ecn no ELX-I-55868-1
rel level **Released**
sheet 2 of 2

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