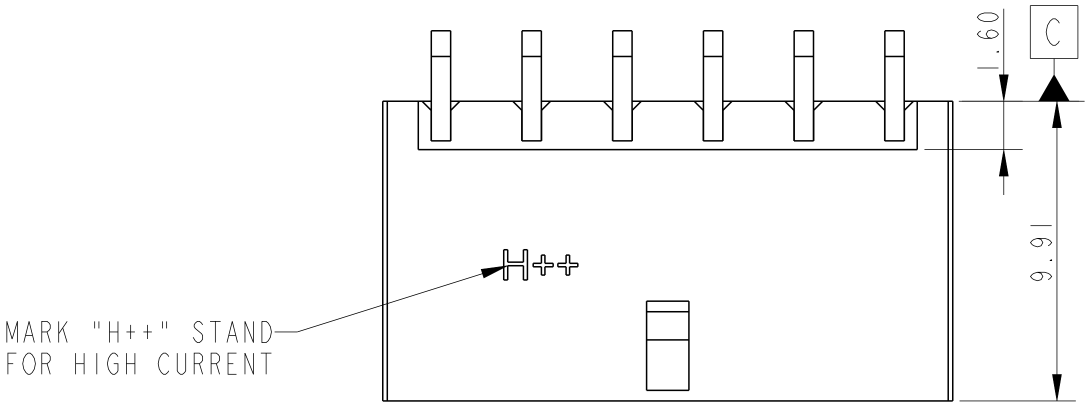
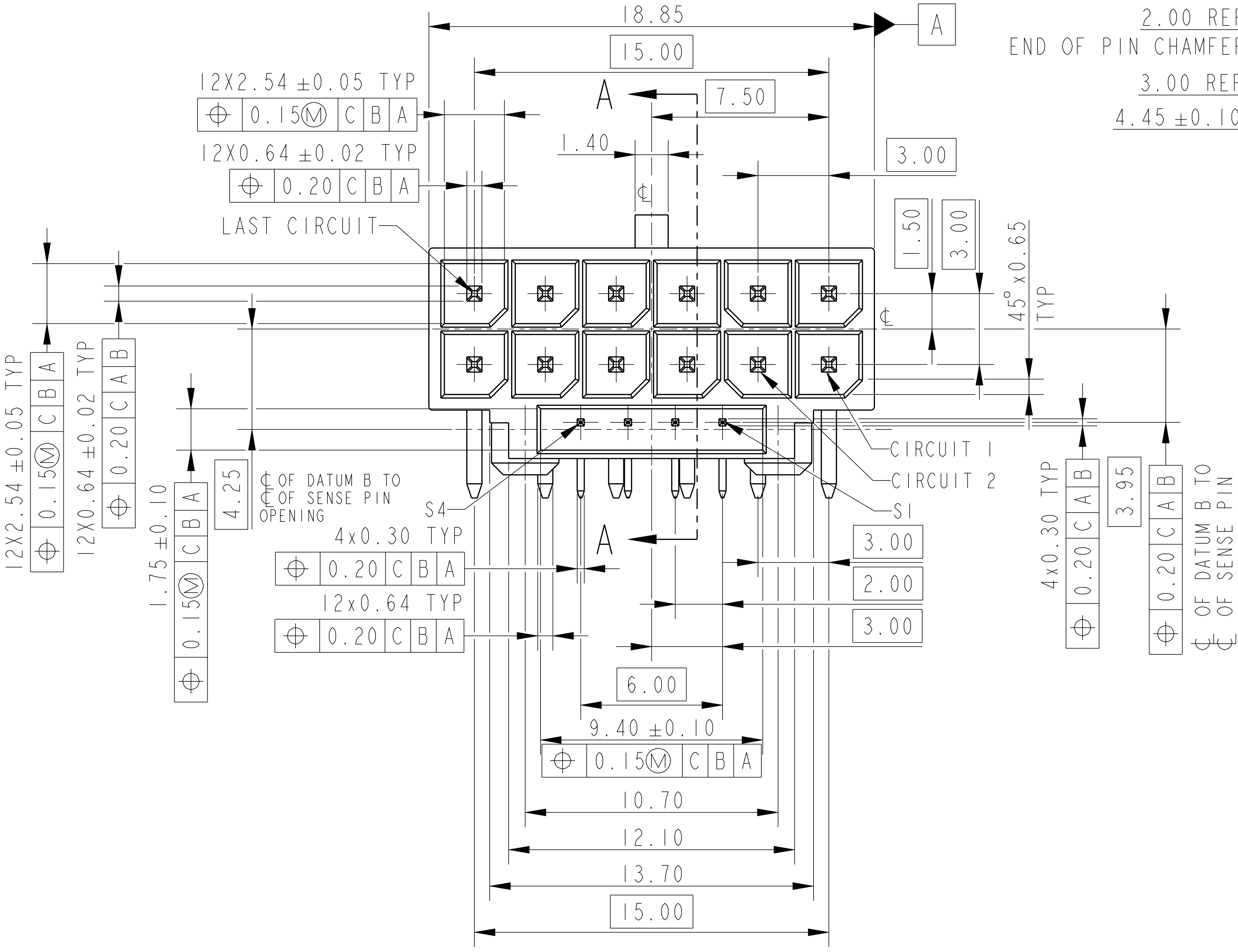
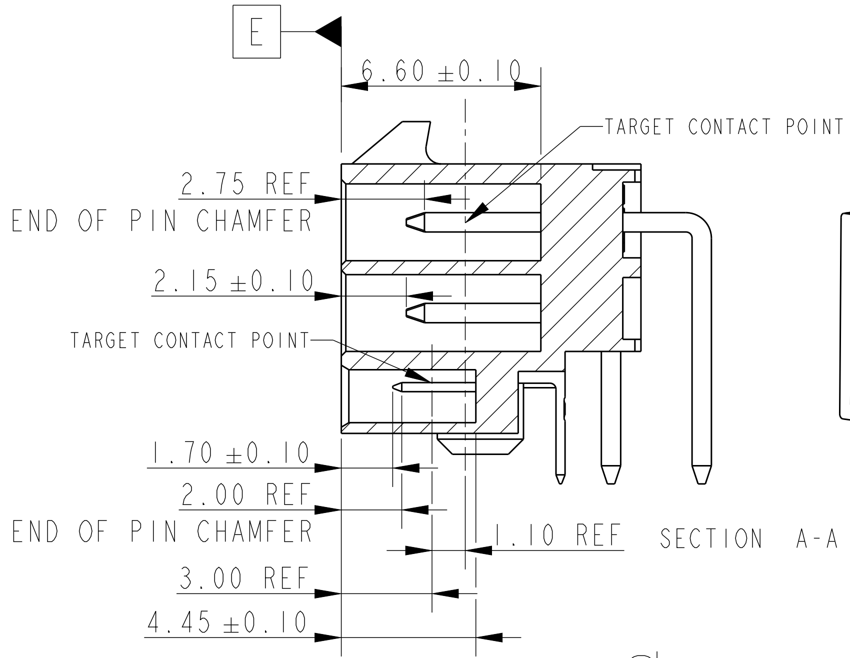
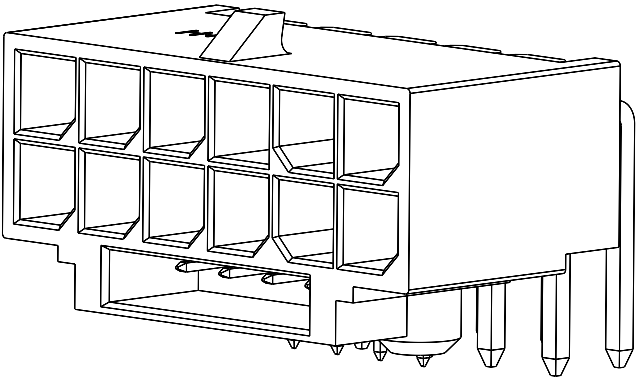
P/N:10163894-124XXXXLF

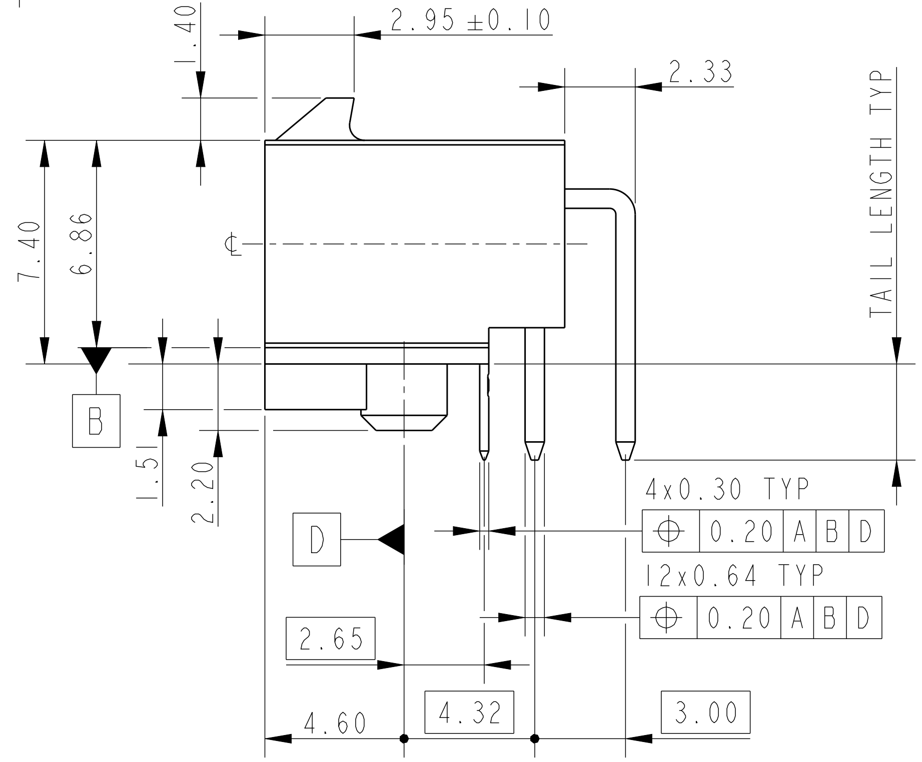






SECTION A-A





spec ref

tolerance std
ISO 406
ISO 1101

TOLERANCES UNLESS OTHERWISE SPECIFIED

surface
ISO 1302

linear	0.X	±0.25
	0.XX	±0.20
	0.XXX	±
angular	0°	±2°

dr	Nithin N-C	2023/02/08
eng	Premchand, Pra	2025/04/02
chr	-	-
appr	Kuriakose, San	2025/04/02

projection

MM

product family MINITEK POWER

size A3

scale 4:1

ecn no ELX-I-55235-1

rel level **Released**

Amphenol FCi

amphenol-icc.com

title HYBRID R/A HEADER WITH ROUND PEG
MINITEK POWER CEM-5 12V-2x6

dwg no 10163894

rev **C**

cat. no. -

Product - Customer Drw

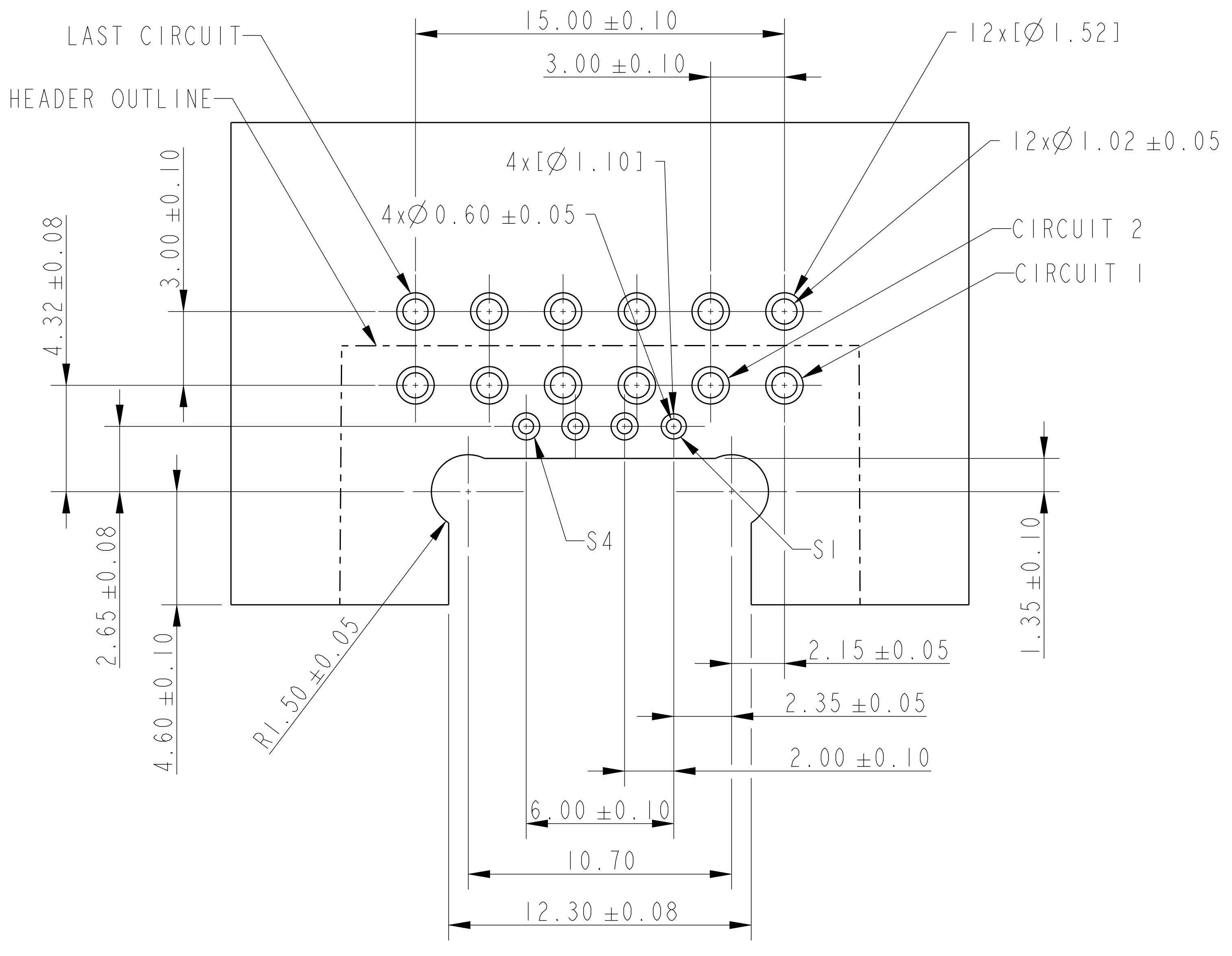
sheet 1 of 2

PDS: Rev :C

STATUS:Released

Printed: Apr 03, 2025

Amphenol FCi



RECOMMENDED PCB LAYOUT, PCB THICKNESS:1.57MM
UNSPECIFIED TOLERANCE ±0.05MM

1. MATERIAL:
   HOUSING: HIGH TEMP. THERMOPLASTIC, LCP UL94V-0,
   COLOUR: BLACK, GLOW WIRE COMPATIBLE
   CONTACT: COPPER ALLOY.
2. PLATING FINISH
   CONTACT AREA : OPTIONAL PLATING, SEE PART NUMBER LOGIC
   SOLDER AREA : 100µ" MINIMUM MATTE TIN
   UNDER PLATING: 50µ" MINIMUM NICKEL UNDERPLATED.
3. MATE WITH AICC 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. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW OVEN.
9. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER.
10. LEAD FREE PRODCUTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
11. PART NUMBER LOGIC

10163894-XX X X X X X LF

NO. OF POWER PINS LOADED
12→12 PINS

NO. OF SIGNAL PINS LOADED
4→4 PINS

TERMINATION:
0 : 3.18MM
1 : 2.20MM

PLATING OPTION:
1: 100u" MATTE TIN OVERALL
2: GOLD FLASH OVERALL
3: 15µ" GOLD ON CONTACT AREA AND
   MATTE TIN ON TERMINAL AREA
4: 30µ" GOLD ON CONTACT AREA AND
   MATTE TIN ON TERMINAL AREA

PACKING OPTION:
0 : TRAY
1 : TAPE AND REEL(24 MM PITCH)
2 : TAPE AND REEL(20 MM PITCH)

LOADING OPTION:
0: STANDARD

spec ref			
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		
surface - ISO 1302	linear	0.X	±0.25
	linear	0.XX	±0.20
	linear	0.XXX	±
	angular	0°	±2°

dr	Nithin N-C	2023/02/08
eng	Premchand, Pra	2025/04/02
chr	-	-
appr	Kuriakose, San	2025/04/02

projection	MM
product family	MINITEK POWER
size	A3
scale	4:1
ecn no	ELX-I-55235-1
rel level	**Released**
title	HYBRID R/A HEADER WITH ROUND PEG MINITEK POWER CEM-5 12V-2x6
dwg no	10163894
rev	**C**
cat. no.	-
	Product - Customer Drw
	sheet 2 of 2

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