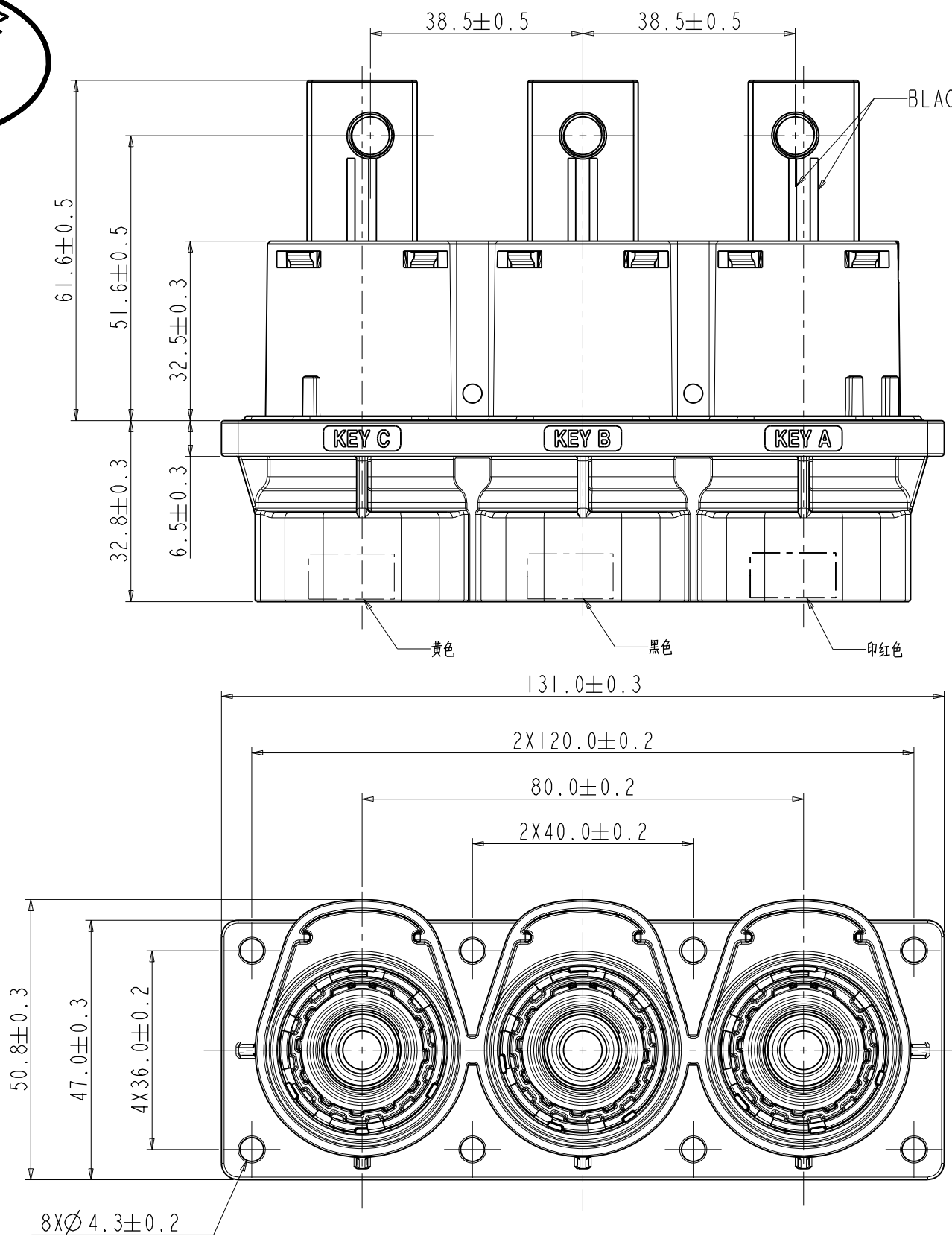


C-CHD14B023XX01

Amphenol PCDSZ
ORIGINAL
PDF Format
R&D

REV	ECN	DESCRIPTION	DATE	MODIFIED
I		PRE - RELEASE	May-13-2026	



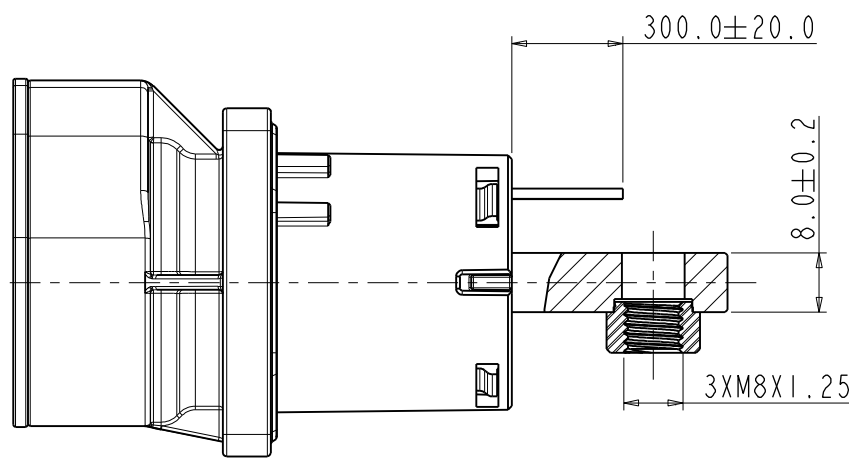
BLACK SIGNAL CABLE 0.5MM²

NOTES:

- MATERIAL & FINISH:
BODY: ALUMINUM ALLOY, NEUTRAL SALT SPRAY MEETS 720H.
POWER CONTACT: COPPER ALLOY SILVER PLATED
HVIL CONTACTS: COPPER ALLOY Au PLATED
SEAL RING: SILICON RUBBER, RED
- THE FLANGE IS LOCKED WITH M4 BOLTS, AND THE LOCKING TORQUE IS 3.0±10%N.M (REFERENCE STANDARD: DIN-EN20273)
- THE COPPER BAR IS LOCKED WITH M8 BOLTS, AND THE LOCKING TORQUE IS 13.4±10%N.M (REFERENCE STANDARD: NFF 61-017)

4. PART NUMBERING SCHEME:

CHD 14 B 02 3 X X 01
A: CODING A 0: WITHOUT HVIL 01: COPPER BAR (M8X1.25)
I: WITH HVIL



DIMENSIONS	TOLERANCES	PROJECTION	TITLE						
ANSI Y14.5M	.X ±0.5		CHD14-3P RECEPTACLE 180 °1PIN						
UNITS: MM	.XX ±0.05								
Pro/E FILE	ANGLES ±2°								
			ENGR					May-13-2026	
ORIGINAL	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING		CHKD		SIZE	DWG NO.		REV	
					A3	C-CHD14B023XX01		1	
			APPD						
						SCALE: 1:2		SHEET 1 OF 3	

安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

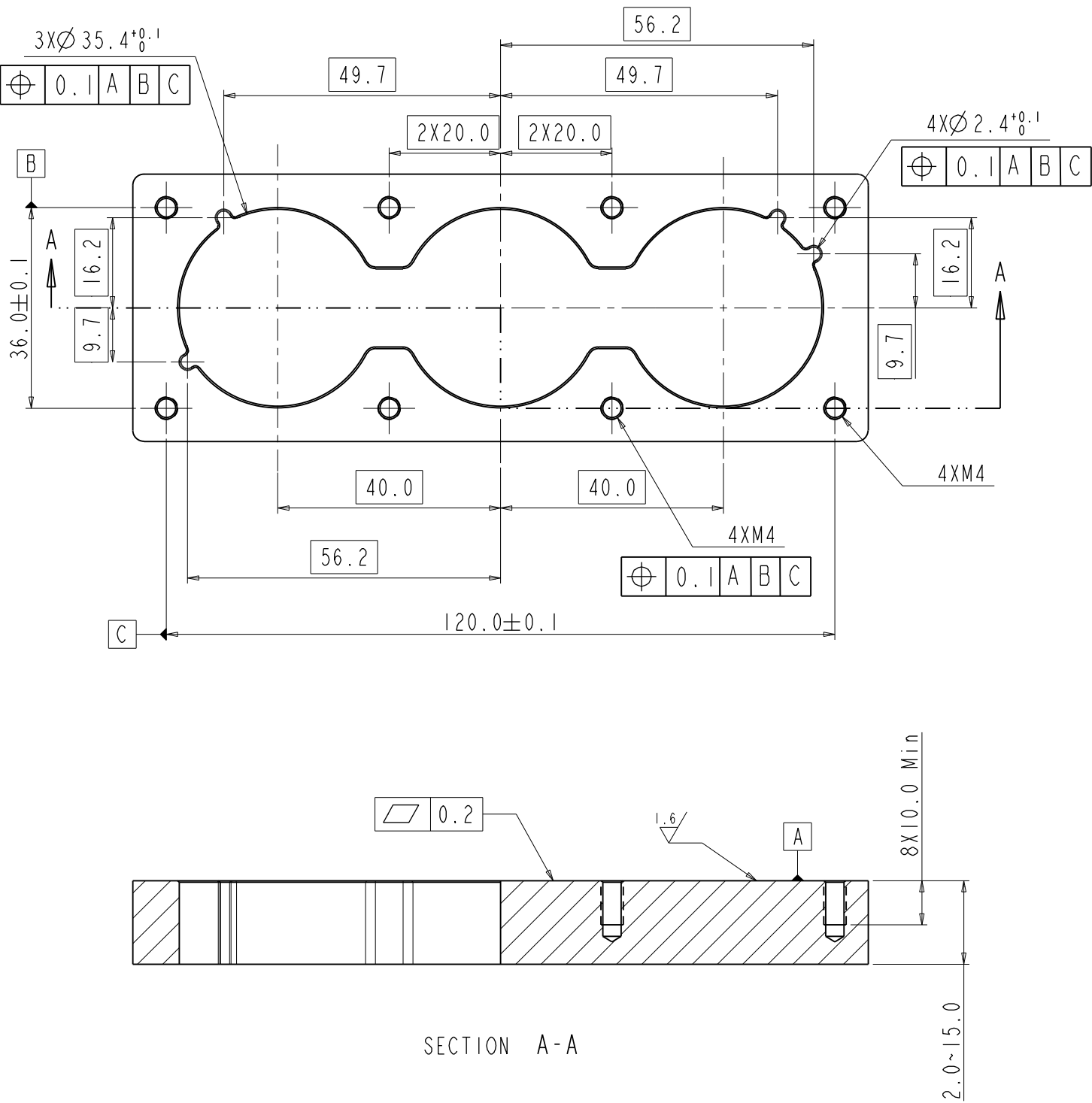
受控文件

2026年6月8日

C-CHD14B023XX01

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RECOMMENDED MOUNTING PLATE



5. TECHNICAL DATA TABLE

TECHNICAL DATA		
CURRENT RATE (150MM ² SHIELD CABLE)	500A @ AMBIENT 70°C	+
CURRENT RATE (120MM ² SHIELD TINNED CABLE)	450A @ AMBIENT 70°C	+
CURRENT RATE (120MM ² SHIELD BARE COPPER CABLE)	430A @ AMBIENT 70°C	+
CURRENT RATE (95MM ² SHIELD TINNED CABLE)	400A @ AMBIENT 70°C	+
CURRENT RATE (95MM ² SHIELD BARE COPPER CABLE)	350A @ AMBIENT 70°C	+
CURRENT RATE (70MM ² SHIELD BARE COPPER CABLE)	300A @ AMBIENT 70°C	+
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1500V DC	+
OPERATING TEMPERATURE	-40 TO 125°C	
DIELECTRIC WITHSTANDING VOLTAGE	4000V AC(RMS)	+
INSULATION RESISTANCE	200MΩ MIN.@25°C	+
DURABILITY	50 CYCLES	◎
SHIELDING	YES	
WATERPRROF (UNMATED CONDITION)	IP67, IP6K9K	+
PROTECTION LEVEL(UNMATED)	IP2XB	+
AMBIENT TEMPERATURE	-40 TO 70°C	
RoHS&REACH	YES	+

+: CRITICAL CHARACTERISTICS / 关键特性

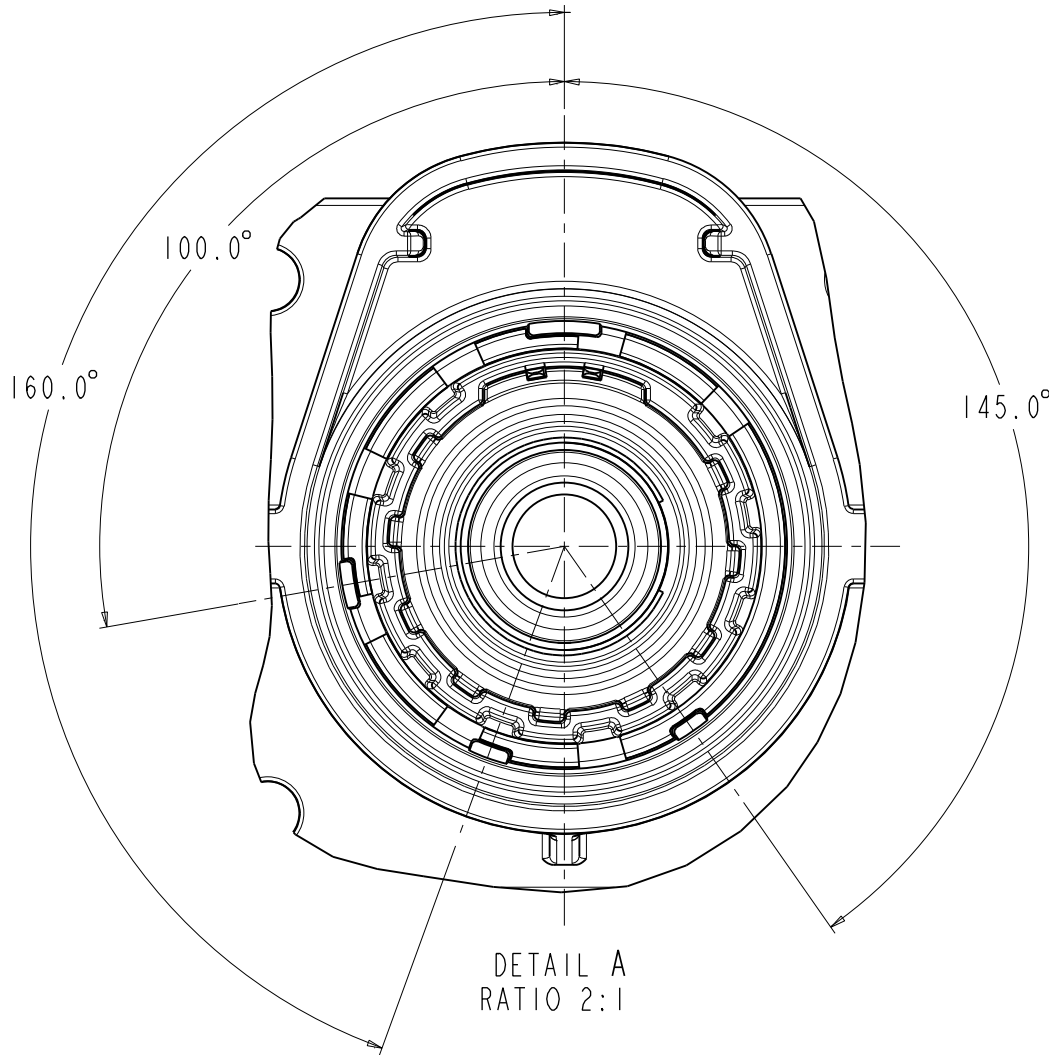
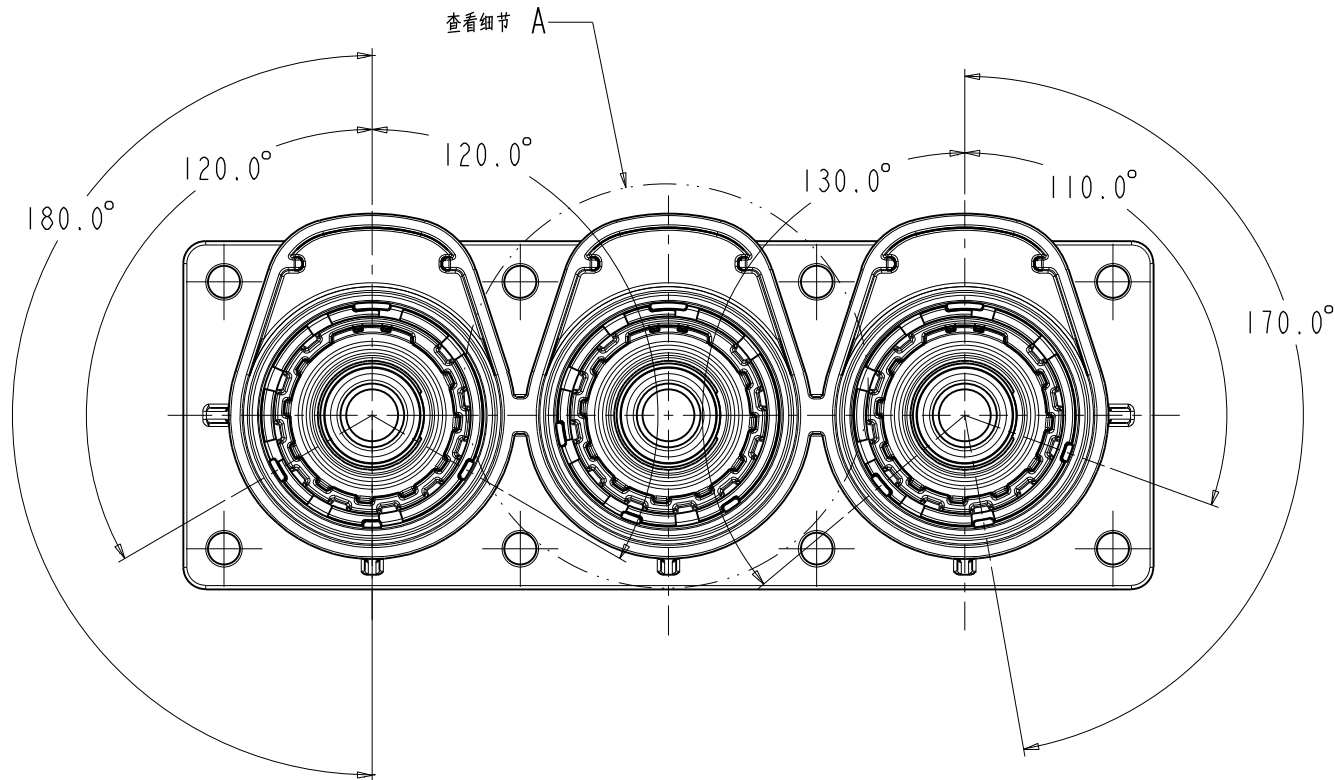
◎: IMPORTANT CHARACTERISTICS / 重要特性

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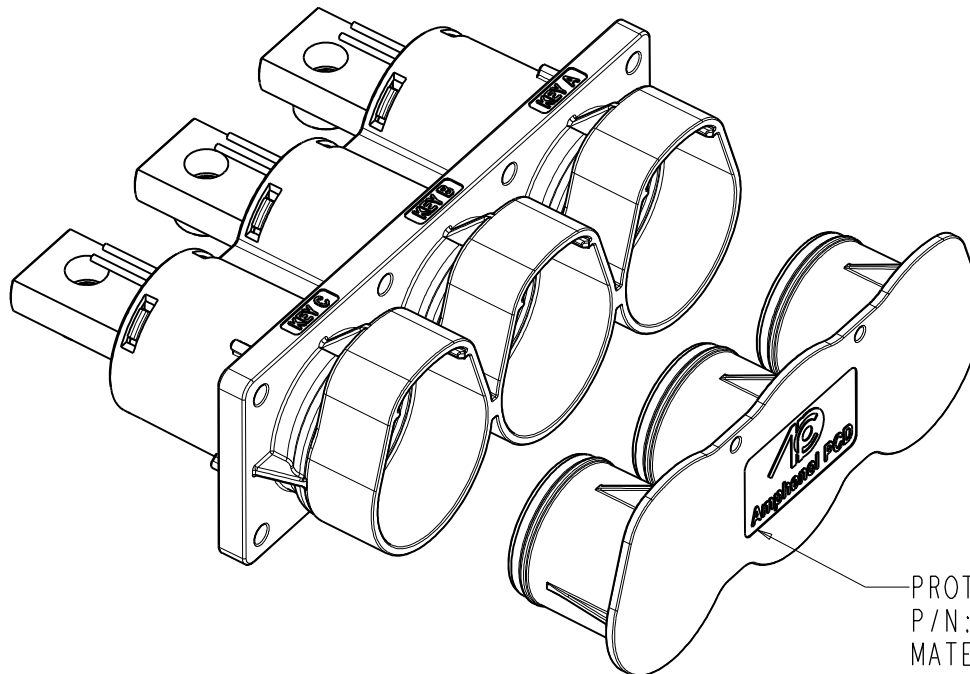
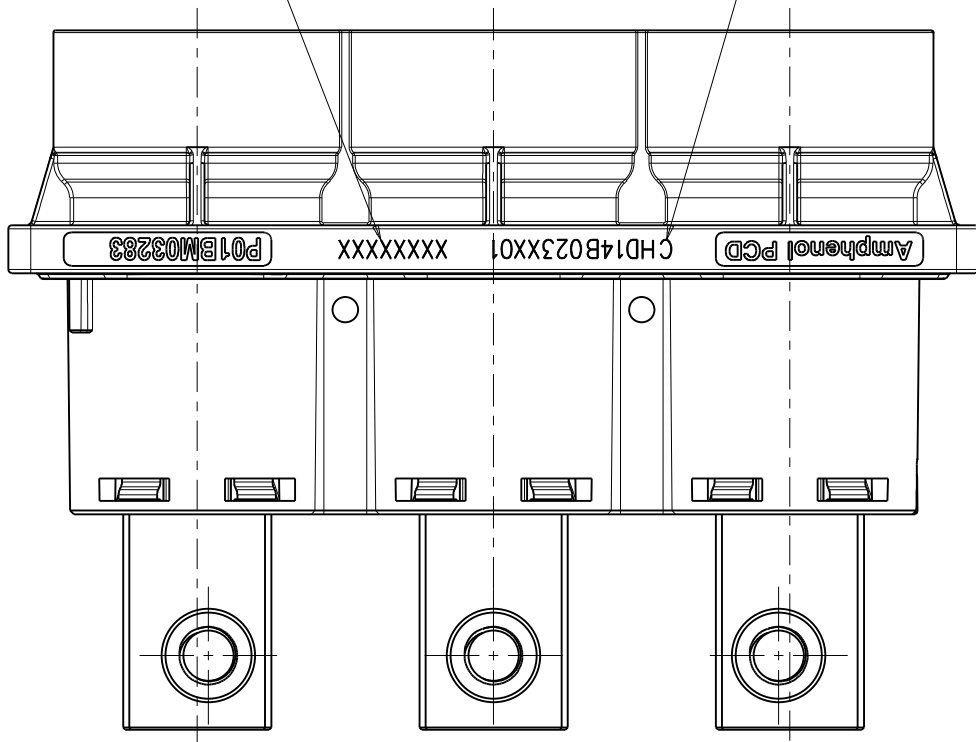
2026年6月8日

SIZE	DWG NO.	REV
A3	C-CHD14B023XX01	1
SCALE: 1:2		SHEET 2 OF 3



PRODUCT TRACEABILITY CODE

PRODUCT P/N



PROTECTIVE CAP
P/N: P01BP01649
MATED CONDITION: IP54