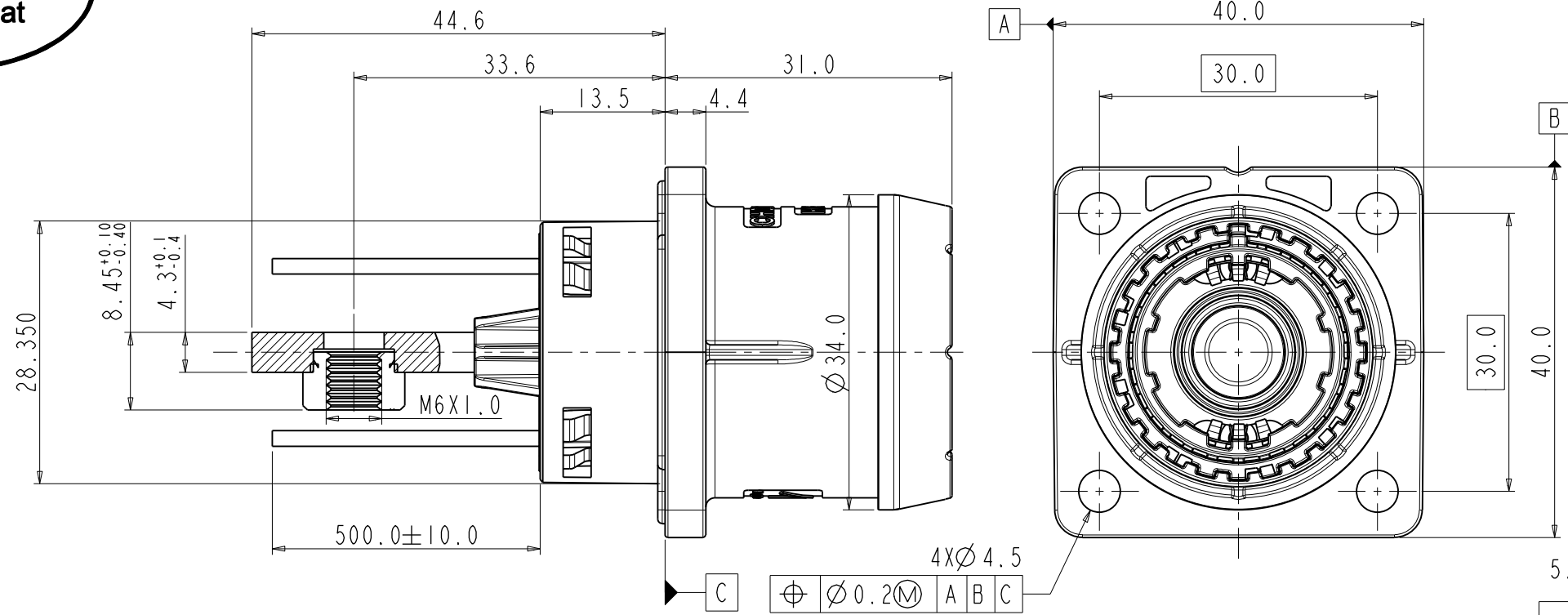


C-CHD10021XX01

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受 控 文 件
2025年4月11日

NOTES:
1. MATERIAL & FINISH:
BODY: ALUMINUM ALLOY,PASSIVATION SALT SPRAY MEETS 500H.
POWER CONTACT: COPPER ALLOY SILVER & TIN PLATED
HVIL CONTACTS: COPPER ALLOY TIN PLATED
SEAL RING: SR
2.THE FLANGE IS LOCKED WITH M4 BOLTS,AND THE LOCKING TORQUE IS 3.0N.M (REFERENCE STANDARD:DIN-EN20273)
3.THE COPPER BAR IS LOCKED WITH M6 BOLTS,AND THE LOCKING TORQUE IS 5.3N.M (REFERENCE STANDARD:NFF 61-017)

4.PART NUMBERING SCHEME:
CHD 10 02 1 X X 01

CODE	KEY X	COLOR	CODE	DESCRIPTION	01:COPPER BAR(M6X1.0)
A	KEY A	RED	0	WITHOUT HVIL	
B	KEY B	BLACK	1	WITH HVIL	
C	KEY C	YELLOW			
D	KEY D	GREEN			
E	KEY E	BLUE			

+ :CRITICAL CHARACTERISTICS/关键特性
⊙ :IMPORTANT CHARACTERISTICS/重要特性

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	Sept-15-2023	Dick Rao
2	R8873W	UPDATE RATE CURRENT	Mar-06-2025	Flame

5. TECHNICAL DATA TABLE

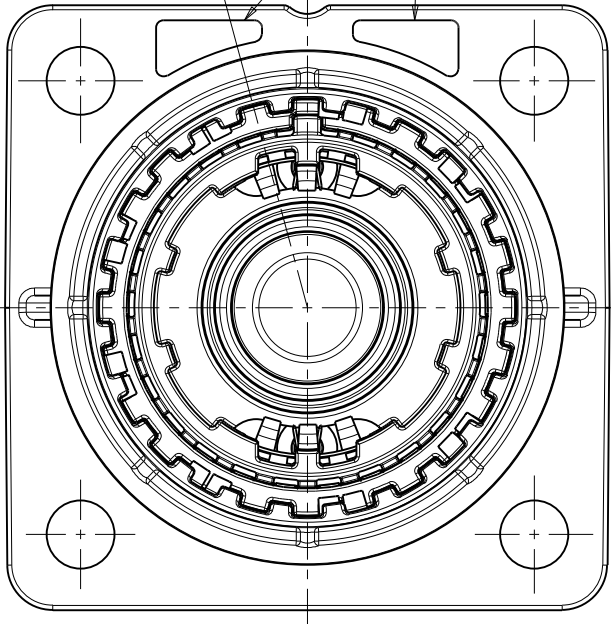
TECHNICAL DATA		
△ CURRENT RATE (70MM^2 SHIELD CABLE)	300A @ AMBIENT 70°C	+
CURRENT RATE (50MM^2 SHIELD CABLE)	200A @ AMBIENT 70°C	+
CURRENT RATE (35MM^2 SHIELD CABLE)	150A @ AMBIENT 70°C	+
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1500V DC	+
OPERATING TEMPERATURE	-40~125°C	
DIELECTRIC WITHSTANDING VOLTAGE	4000V AC(RMS)	+
INSULATION RESISTANCE	200M Ω MIN.@25°C	+
DURABILITY	50 CYCLES	⊙
SHIELDING	YES	
WATERPROOF (UNMATED CONDITION)	IP67, IP6K9K	+
PROTECTION LEVEL(UNMATED)	IP2XB	+
AMBIENT TEMPERATURE	-40~70°C	
RoHS&REACH	YES	+

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE CHD 10 0 2 1 XX 01 RECEPTACLE ASSEMBLY				
ANSI Y14.5M UNITS: MM Pro/E FILE	.X ±0.5 .XX ±0.05 ANGLES ±2°		ENGR Dick Rao Sept-15-2023						
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 <i>Semba</i>	SIZE A3	DWG NO. C-CHD10021XX01		REV 2		
			APPD <i>Derek</i>			SCALE: 1:1		SHEET 1 OF 4	

KEY A

RED COLOR MARK

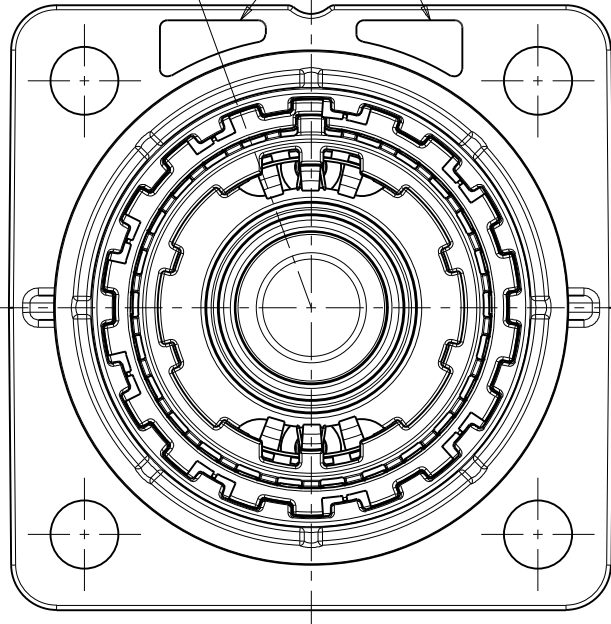
24X15.0°



KEY B

BLACK COLOR MARK

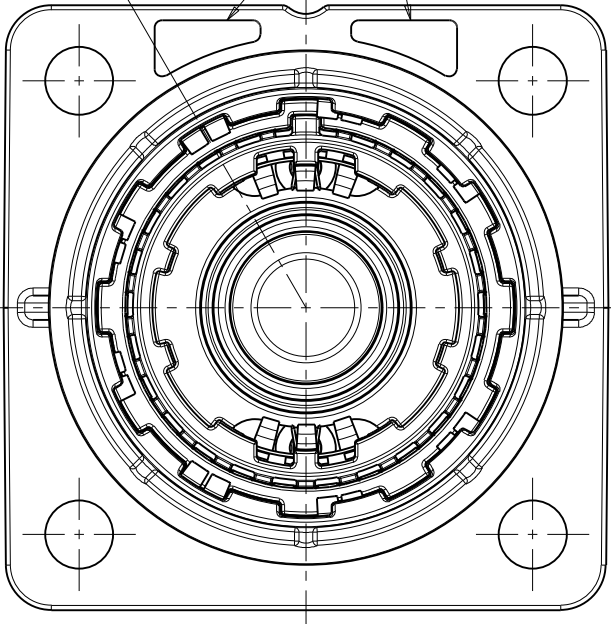
18X20.0°



KEY C

YELLOW COLOR MARK

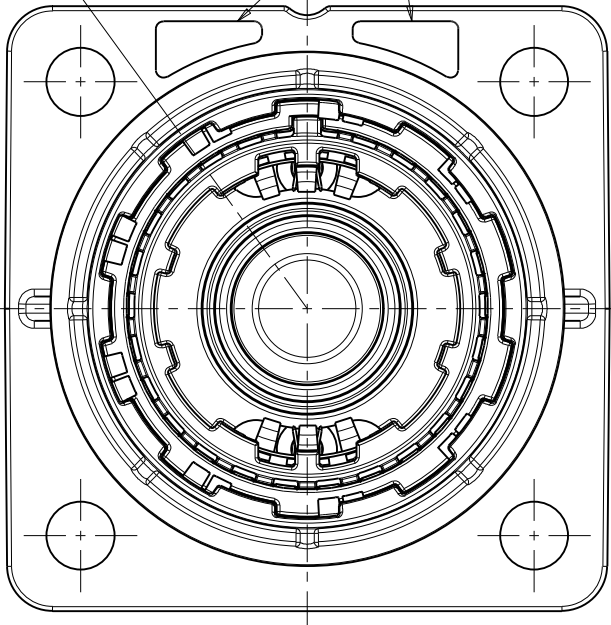
12X30.0°



KEY D

GREEN COLOR MARK

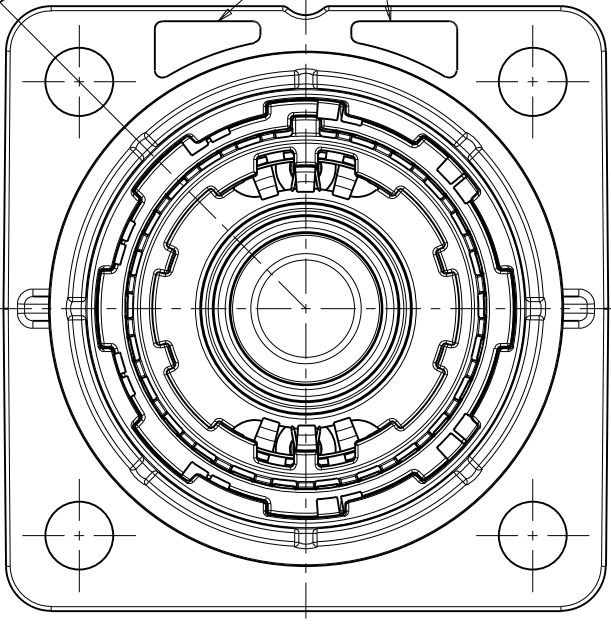
10X36.0°



KEY E

BLUE COLOR MARK

8X45.0°



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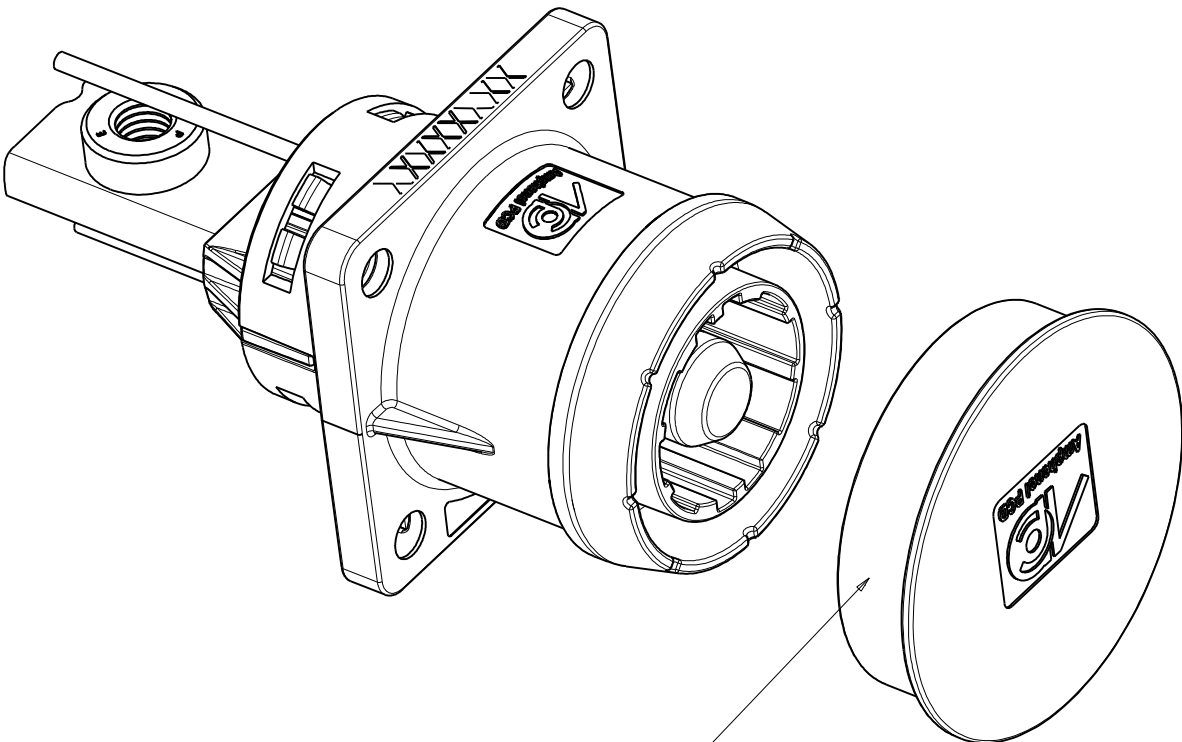
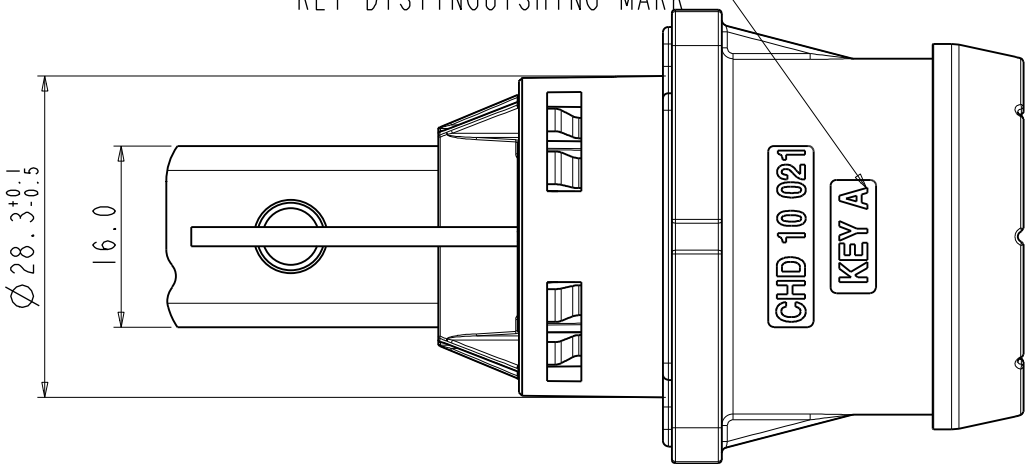
REV

2

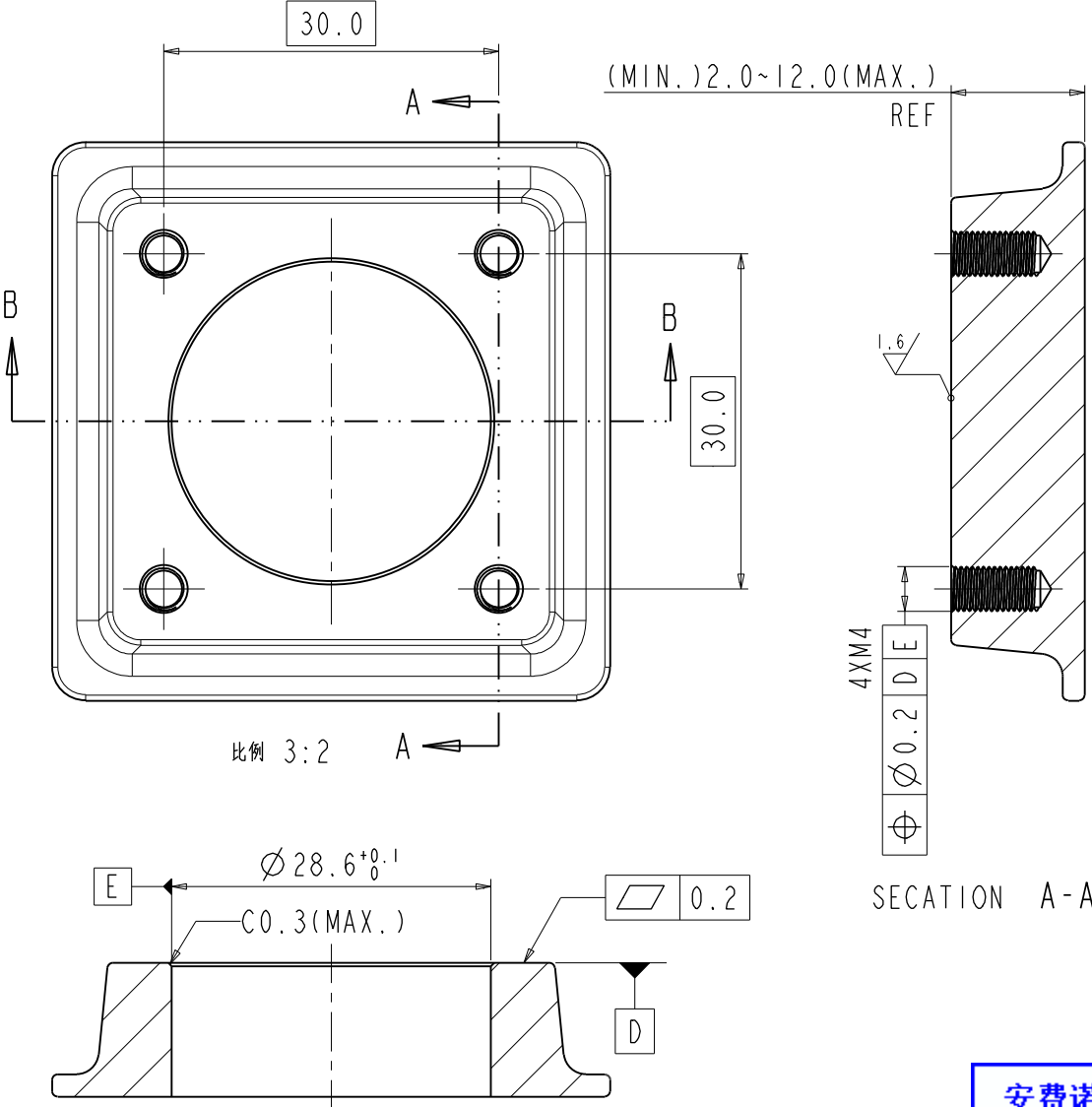
SCALE: 1:1

SHEET 2 OF 4

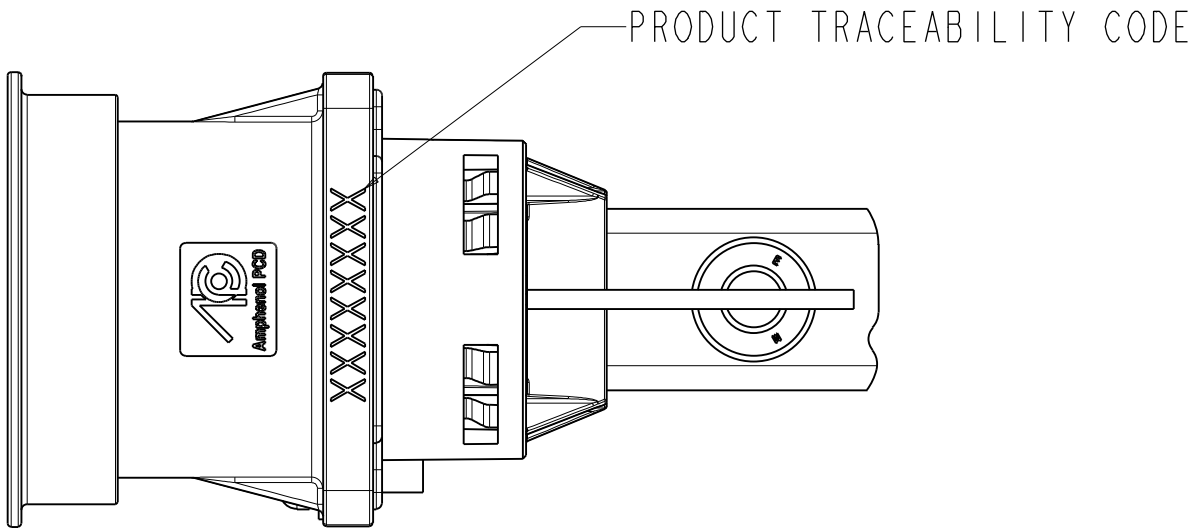
KEY DISTINGUISHING MARK



RECOMMENDED MOUNTING PLATE



PROTECTIVE CAP
P/N: P01BP01052
MATED CONDITION: IP54



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SIZE	DWG NO.	REV
A3	C-CHD10021XX01	2
SCALE: 1:1		SHEET 3 OF 4

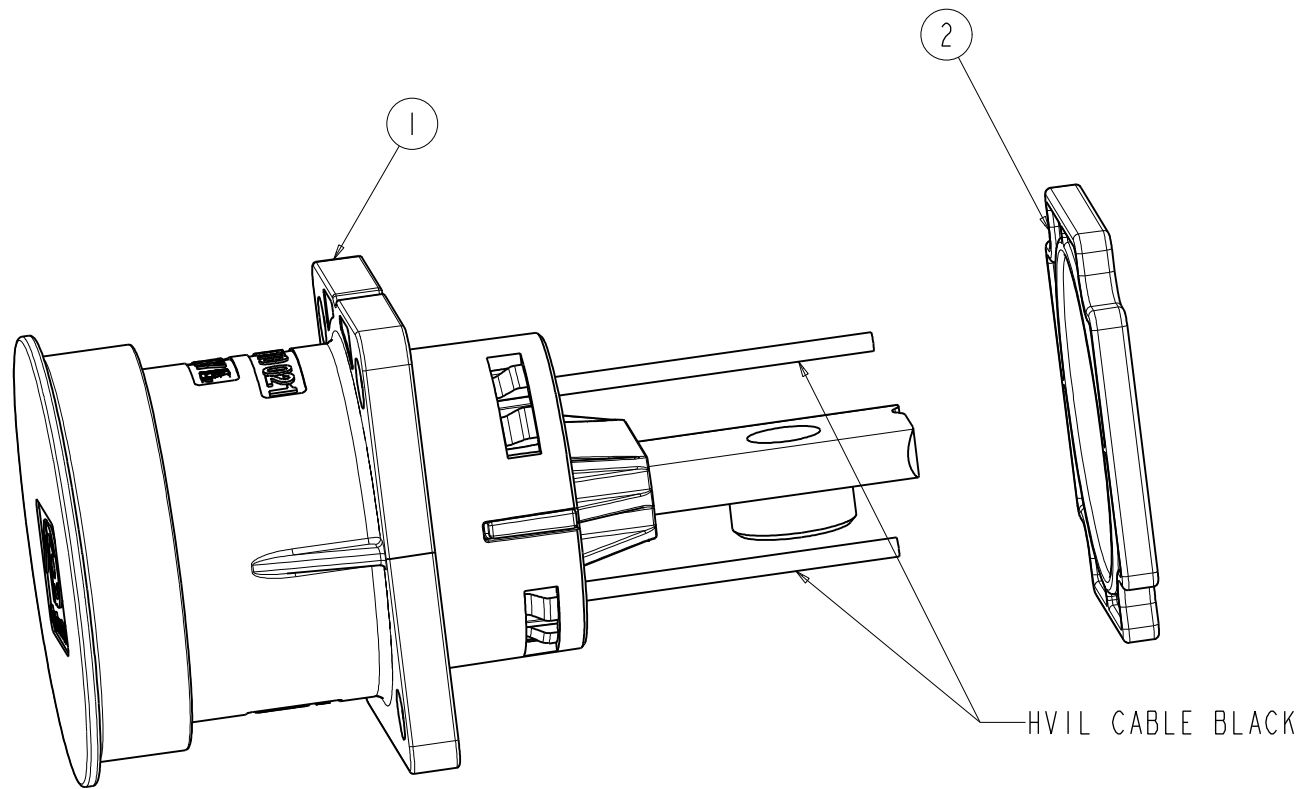


TABLE ONE:

MAIN BODY P/N	KEY X
P02B00054801	KEY A
P02B00054802	KEY B
P02B00054803	KEY C
P02B00054804	KEY D
P02B00054805	KEY E

TABLE TWO:

MAIN BODY P/N	KEY X
P02B00054901	KEY A
P02B00054902	KEY B
P02B00054903	KEY C
P02B00054904	KEY D
P02B00054905	KEY E

CHD10021 X 1 01	2	P01BR00701	RECEPTACLE SEAL	1
	1	TABLE ONE	MAIN BODY & WITH HIVL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	DESCRIPTION	Q'TY

CHD10021 X 0 01	2	P01BR00701	RECEPTACLE SEAL	1
	1	TABLE TWO	MAIN BODY & WITHOUT HIVL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	DESCRIPTION	Q'TY

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SCALE: 1:1		SHEET 4 OF 4