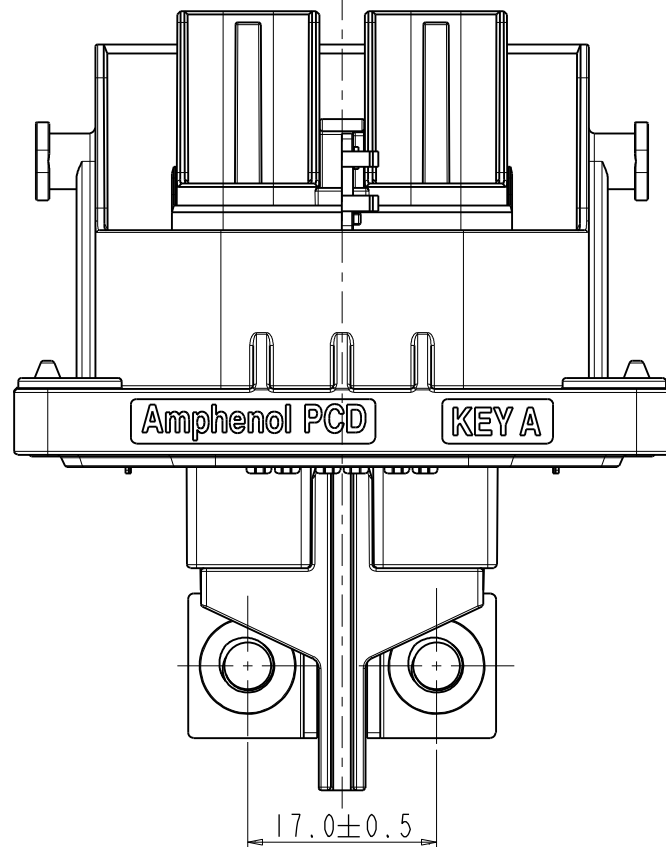
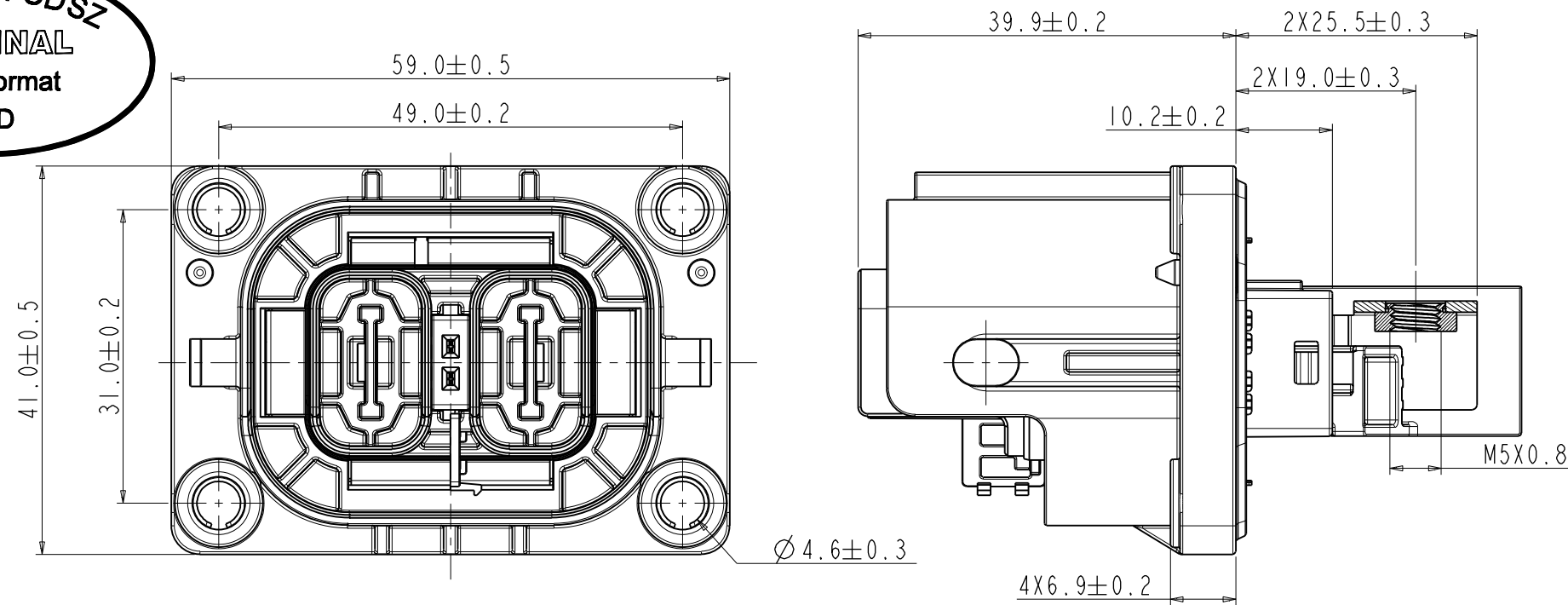


C-HVSLF10022XX01

Amphenol PCDSZ
ORIGINAL
PDF Format
R&D



4. PART NUMBERING SCHEME:

HVSLF 10 02 2 X X 01

CODE	KEY X
A	KEY A
B	KEY B
C	KEY C

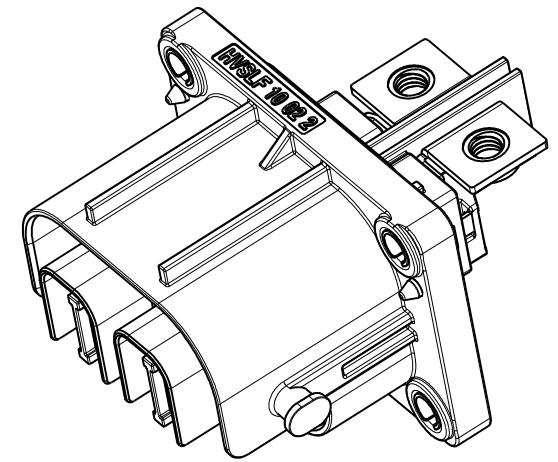
CODE	DESCRIPTION
0	WITHOUT HVIL
1	WITH HVIL

01: COPPER BAR(M5X0.8)

★ : CRITICAL CHARACTERISTICS / 关键特性
◎ : IMPORTANT CHARACTERISTICS / 重要特性

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen
ANSI Y14.5M UNITS: MM Pro/E FILE	X ± 0.5 XX ± 0.05 ANGLES $\pm 2^\circ$		ENGR Dick Rao Jun-10-2025
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 CHONG APPD Zhang

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE- RELEASE	Jun-10-2025	Dick Rao
2	R09494N	Improve the prouduct polarization feature effectiveness	Aug-20-2025	Dick Rao



5. TECHNICAL DATA TABLE

TECHNICAL DATA		
CURRENT RATE (25MM ² SHIELD CABLE)	125A @ AMBIENT 70°C	★
CURRENT RATE (16MM ² SHIELD CABLE)	100A @ AMBIENT 70°C	★
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1000V DC	★
OPERATING TEMPERATURE	-40 TO 125°C	
DIELECTRIC WITHSTANDING VOLTAGE	3000V AC(RMS)	★
INSULATION RESISTANCE	200M Ω 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	★

NOTES:

- MATERIAL & FINISH:
PLASTIC BODY: THERMOPLASTICS ORANGE COLOR
POWER CONTACT: COPPER ALLOY SILVER AND TIN
HVIL CONTACTS: COPPER ALLOY TIN PLATED
SEAL RING: SR
- THE FLANGE IS LOCKED WITH M4 BOLTS, AND THE LOCKING TORQUE IS $2.5N.M \pm 10\%$
- THE COPPER BAR IS LOCKED WITH M5 BOLTS, AND THE LOCKING TORQUE IS $5.9N.M \pm 10\%$

TITLE		
Socket 2Pin 125A Busbar with M5		
SIZE A3	DWG NO. C-HVSLF10022XX01	REV 2
SCALE: 1:1 SHEET 1 OF 3		

6.WITH HVIL ASSEMBLY VIEW

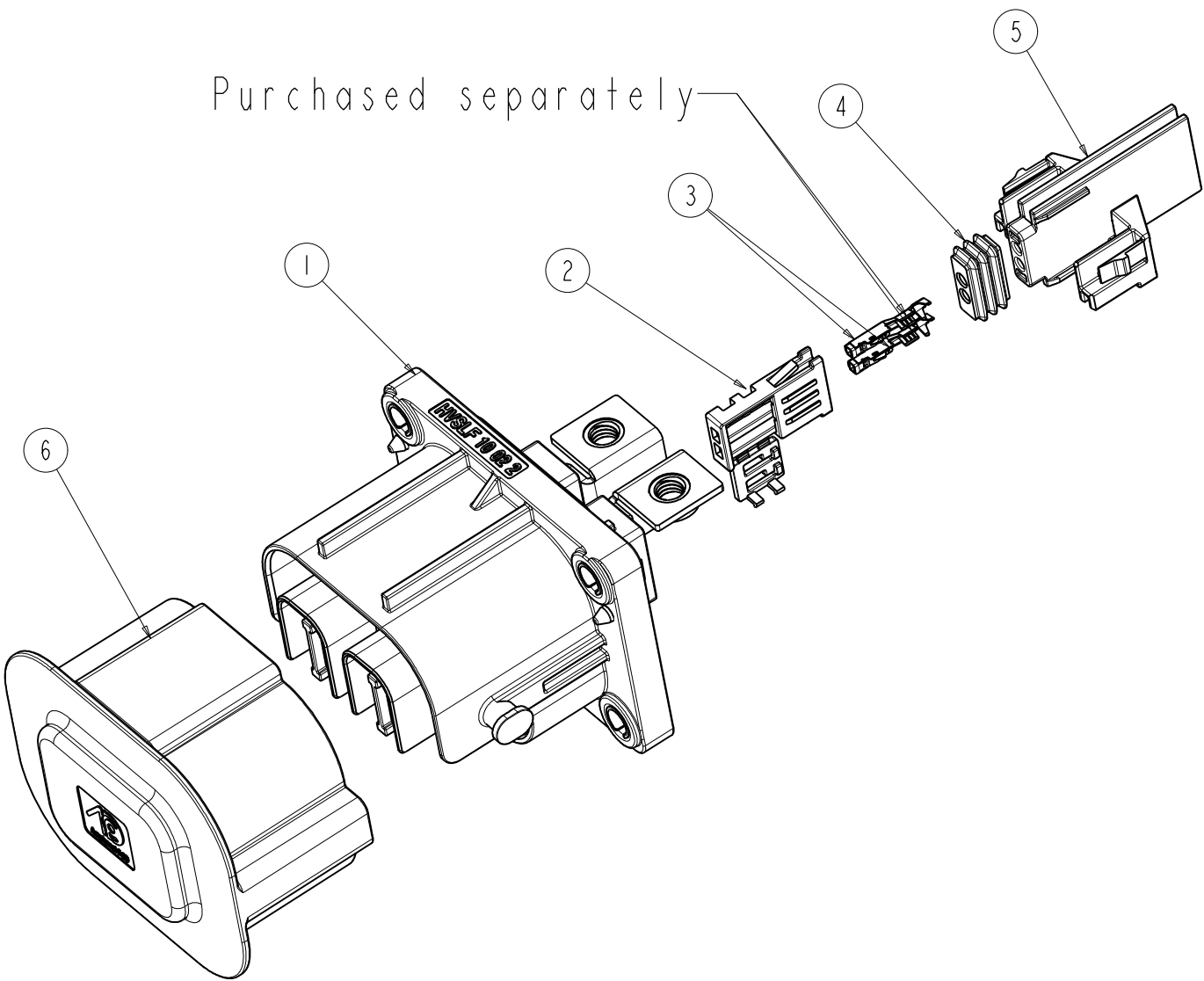


TABLE 1:

MAIN BODY P/N	KEY X
P02B00092201	KEY A
P02B00092202	KEY B
P02B00092203	KEY C

HVSLF10062 X I XX	6	P0IBP01521	PROTECTIVE COVER	1
	5	P0IBP01428	RECEPTACLE BACK INSULATOR	1
	4	P0IBR01264	HVIL SEAL	1
	3	C310003614S	HVIL PIN	2
	2	P0IBP01429	HVIL INSULATOR	1
	1	TABLE 1	MAIN BODY & WITH HVIL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	DESCRIPTION	Q'TY

7.WITHOUT HVIL ASSEMBLY VIEW

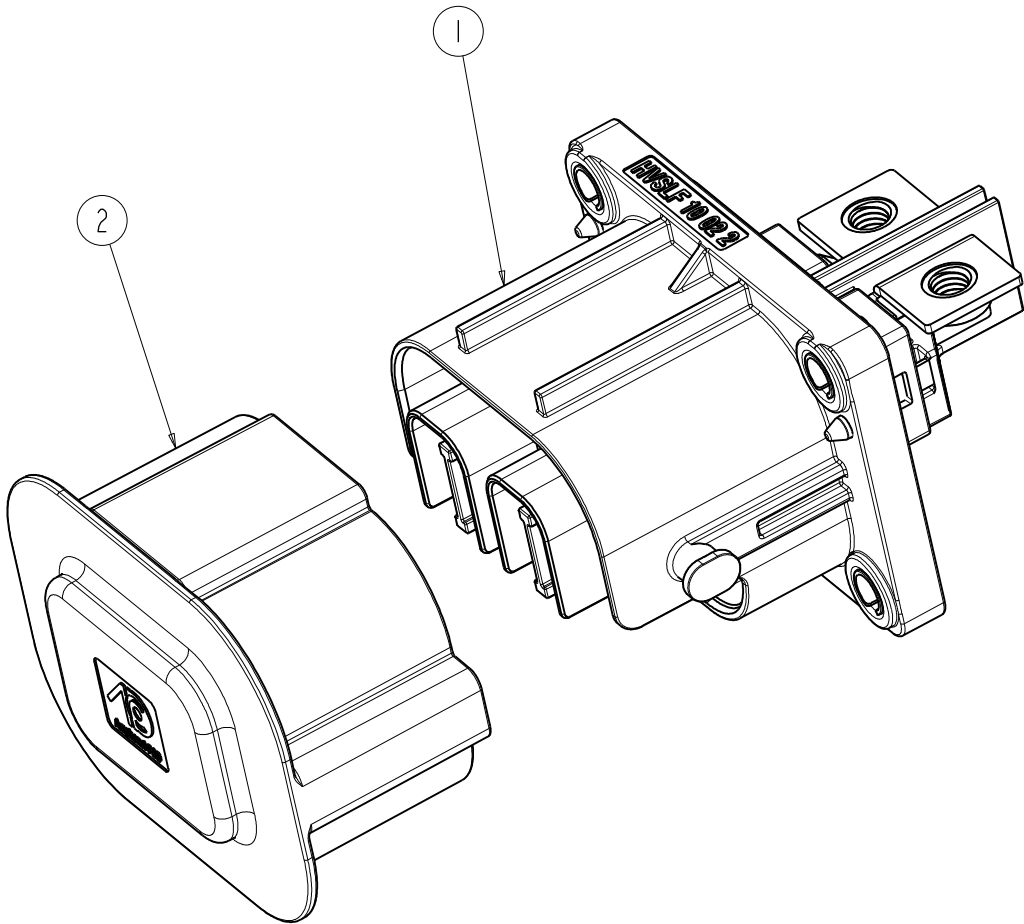
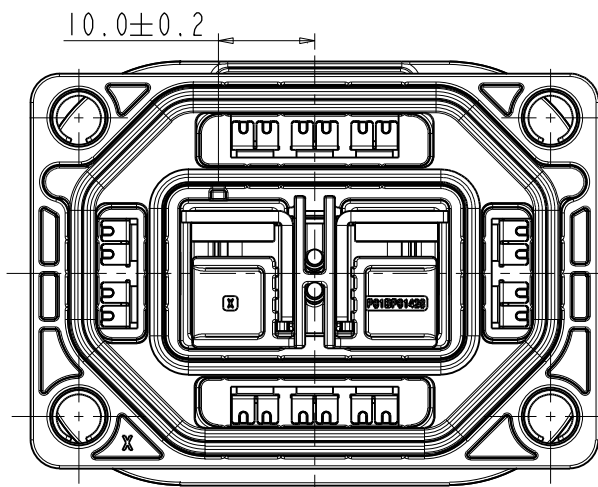
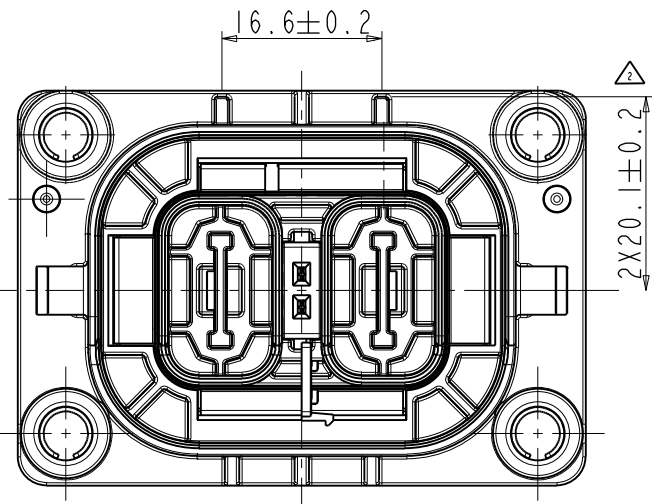


TABLE 2:

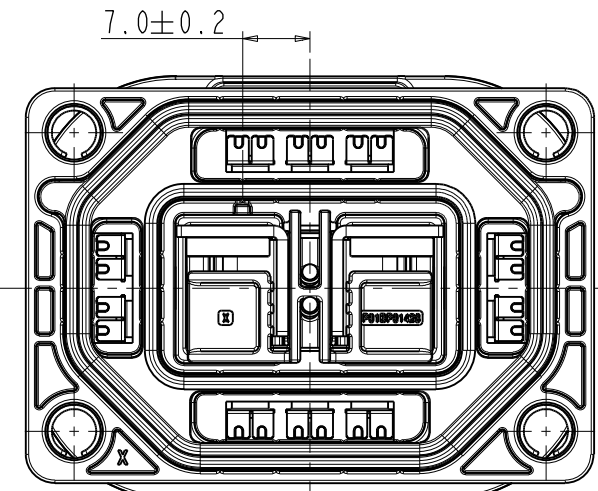
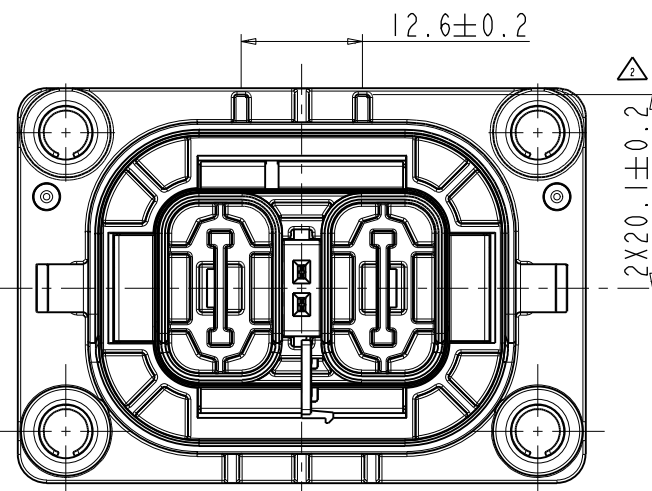
MAIN BODY P/N	KEY X
P02B00106501	KEY A
P02B00106502	KEY B
P02B00106503	KEY C

HVSLF10062 X 0 XX	2	P0IBP01521	PROTECTIVE COVER	1
	1	TABLE 2	MAIN BODY & WITHOUT HVIL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	DESCRIPTION	Q'TY

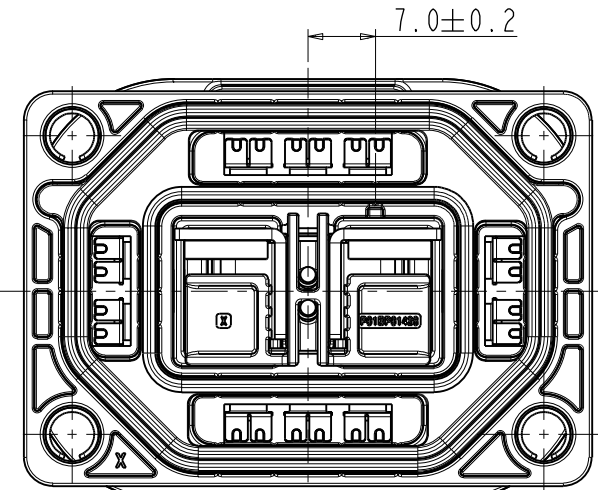
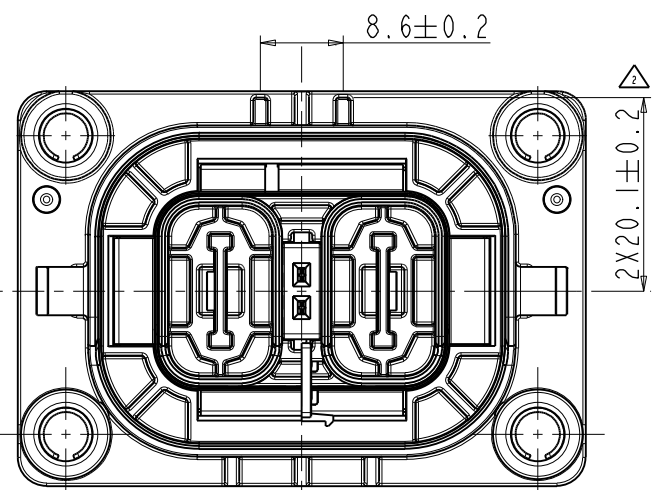
SIZE	DWG NO.	REV
A3	C-HVSLF10022XX01	2
SCALE: 1:1		SHEET 2 OF 3



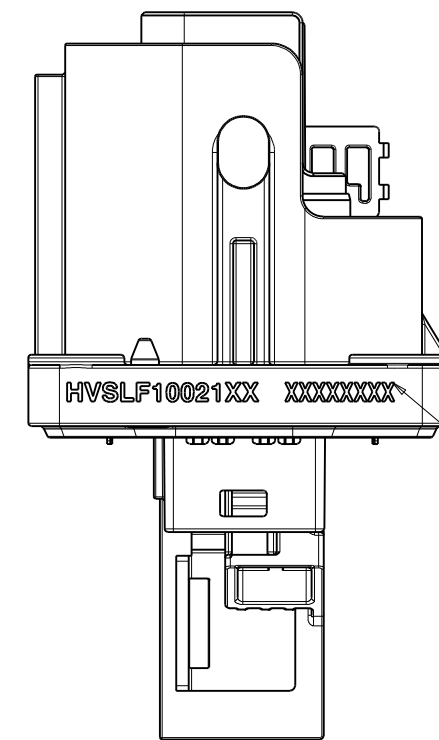
KEY A



KEY B

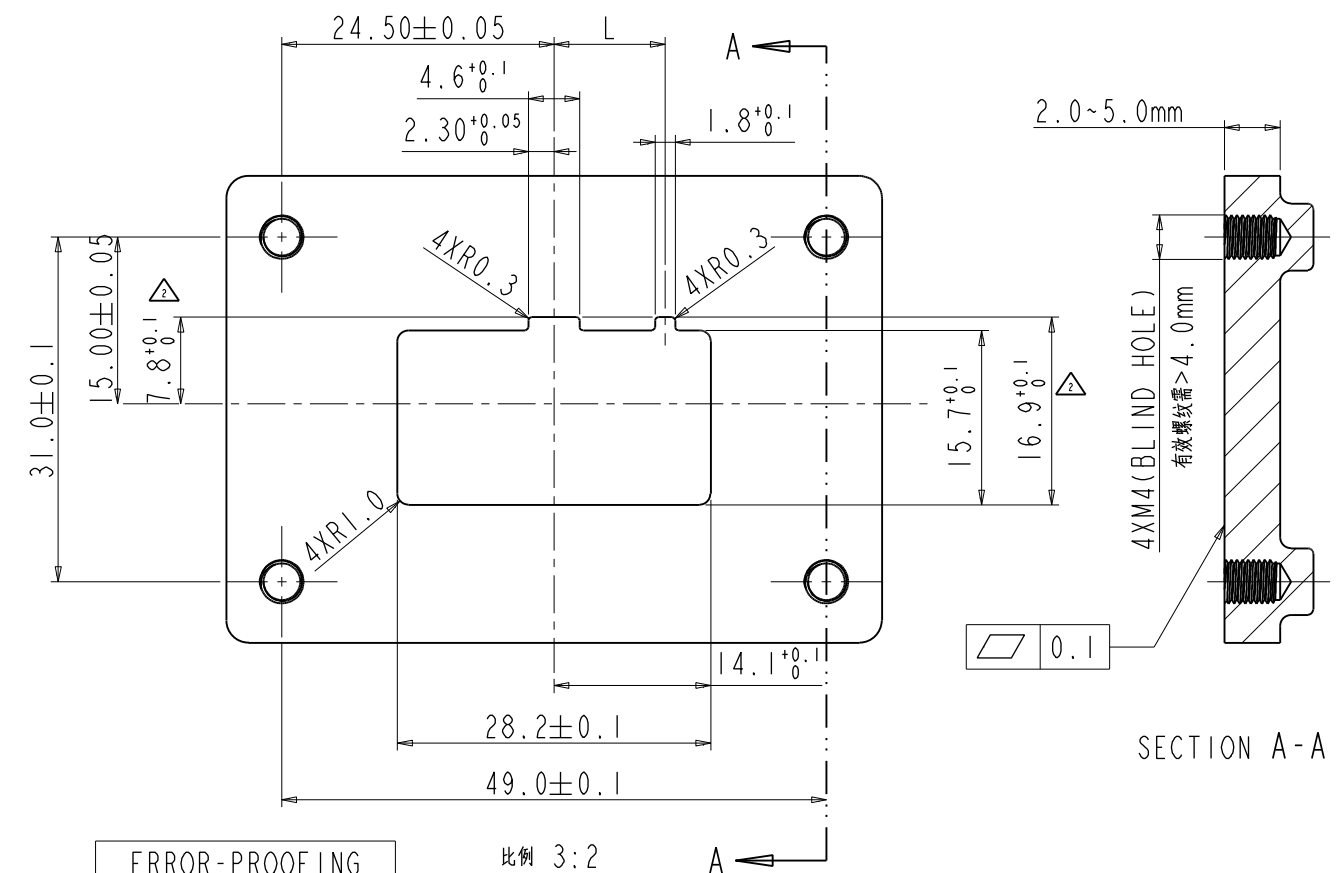


KEY C



PRODUCT TRACEABILITY CODE

8. RECOMMENDED MOUNTING PLATE



ERROR-PROOFING	
KEY X	L±0.1
KEY A	10
KEY B	7
KEY C	-7

SIZE	DWG NO.	REV
A3	C-HVSLF10022XX01	2
SCALE: 1:1		SHEET 3 OF 3