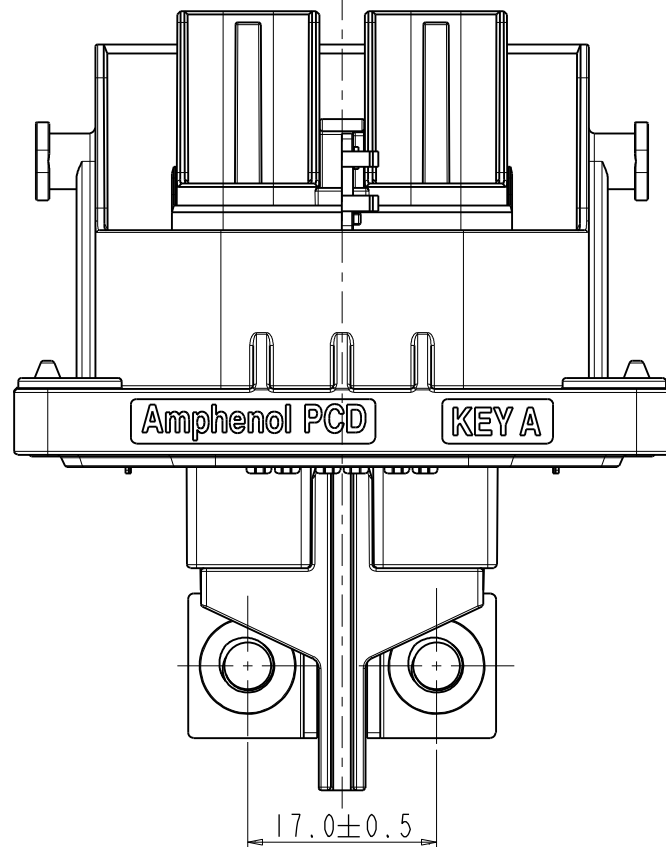
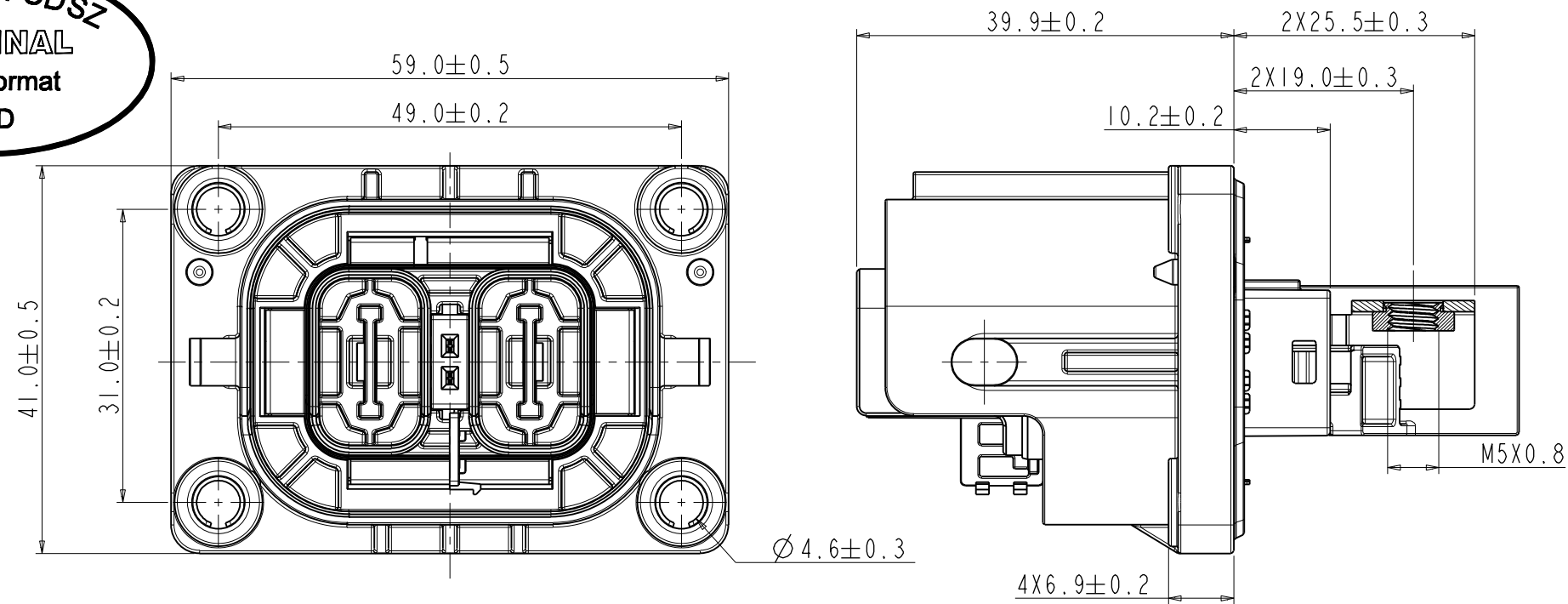


C-HVSLF10022XX01

Amphenol PCD SZ  
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 |

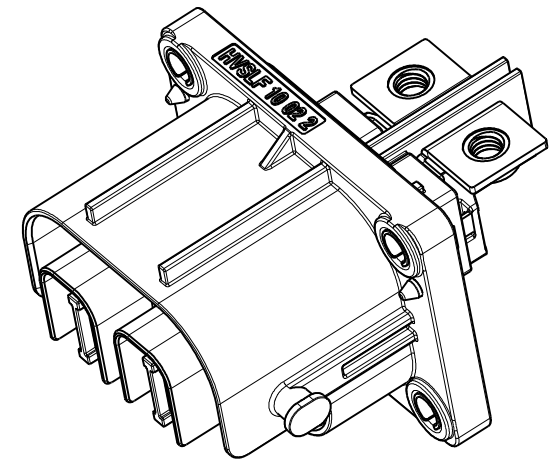
| CODE | DESCRIPTION  |
|------|--------------|
| 0    | WITHOUT HVIL |
| 1    | WITH HVIL    |

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<br>UNITS: MM<br>Pro/E FILE | X $\pm 0.5$<br>XX $\pm 0.05$<br>ANGLES $\pm 2^\circ$                                                                                                                                                       |            | ENGR<br>Dick Rao Jun-10-2025   |
| ORIGINAL                               | THIS DOCUMENT CONTAINS<br>PROPRIETARY INFORMATION WHICH<br>IS THE CONFIDENTIAL PROPERTY<br>OF Amphenol PCD Shenzhen Co. Ltd<br>Amphenol PCD Shenzhen Co. Ltd RESERVES<br>THE RIGHT TO CLARIFY THIS DRAWING |            | CHKD<br>CHONG<br>APPD<br>Zhang |

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



#### 5. TECHNICAL DATA TABLE

| TECHNICAL DATA                                                    |                          |   |
|-------------------------------------------------------------------|--------------------------|---|
| CURRENT RATE<br>(25MM <sup>2</sup> SHIELD CABLE)                  | 125A @ AMBIENT 70°C      | ★ |
| CURRENT RATE<br>(16MM <sup>2</sup> SHIELD CABLE)                  | 100A @ AMBIENT 70°C      | ★ |
| RATING VOLTAGE<br>(OVERVOLTAGE CATEGORY II<br>POLLUTION DEGREE 2) | 1000V DC                 | ★ |
| OPERATING TEMPERATURE                                             | -40 TO 125°C             |   |
| DIELECTRIC WITHSTANDING<br>VOLTAGE                                | 3000V AC(RMS)            | ★ |
| INSULATION RESISTANCE                                             | 200M $\Omega$ MIN. @25°C | ★ |
| DURABILITY                                                        | 50 CYCLES                | ◎ |
| SHIELDING                                                         | YES                      |   |
| WATERPRROF<br>(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<br>A3                      | DWG NO.<br>C-HVSLF10022XX01 | REV<br>2     |  |
| SCALE: 1:1                      |                             | SHEET 1 OF 3 |  |

6.WITH HVIL ASSEMBLY VIEW

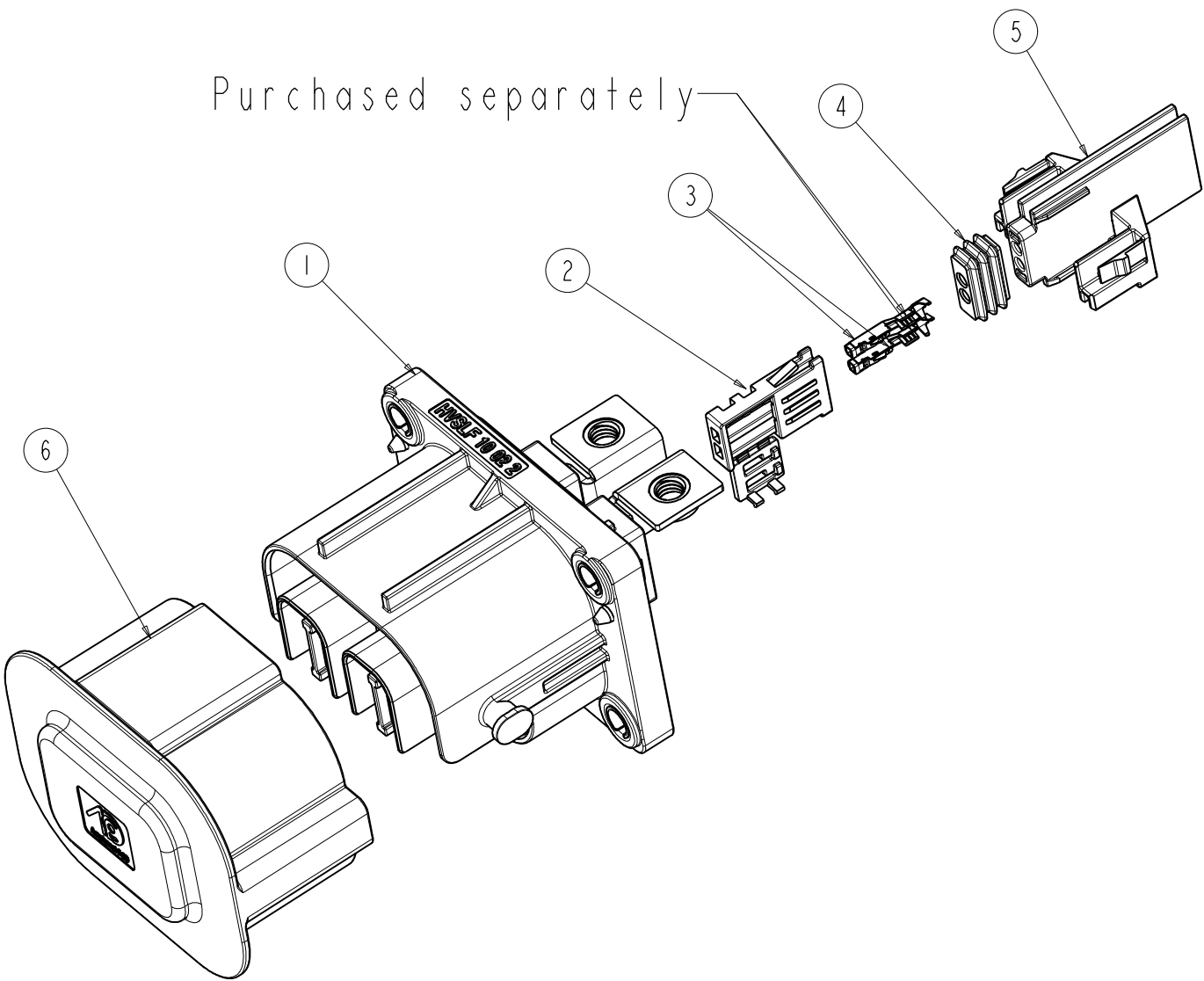


TABLE 1:

| 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

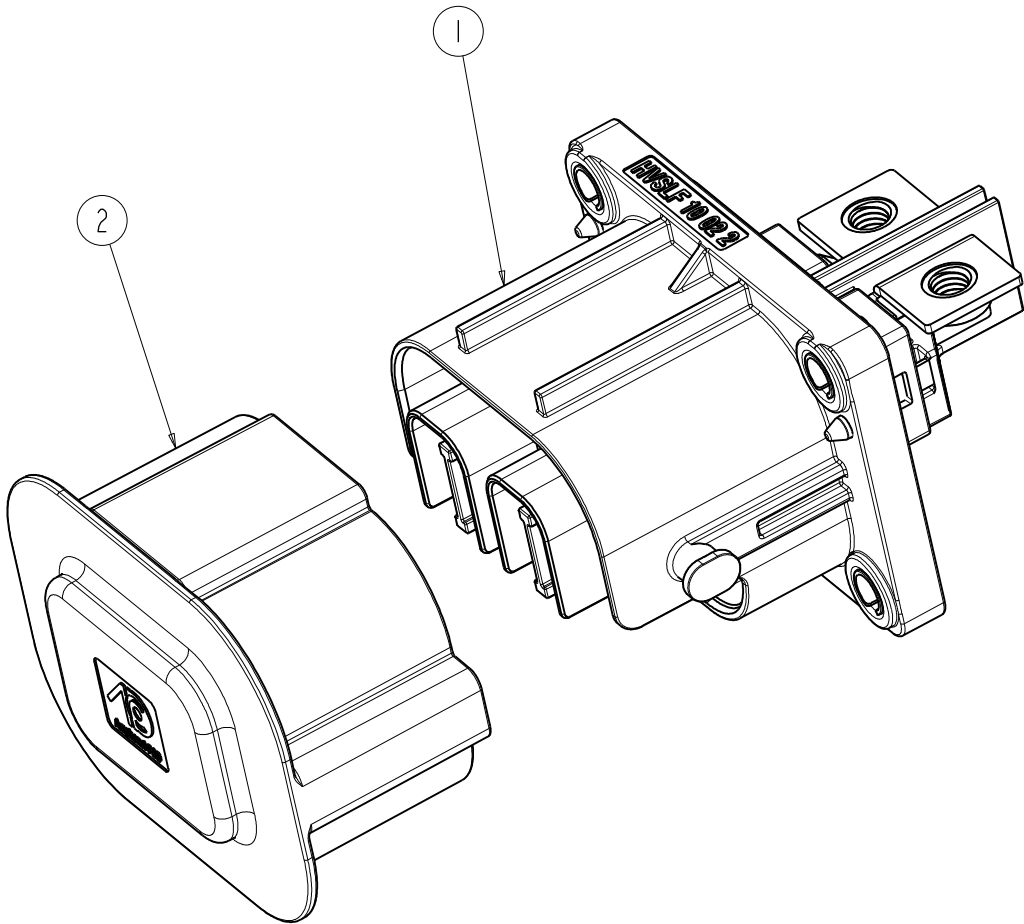
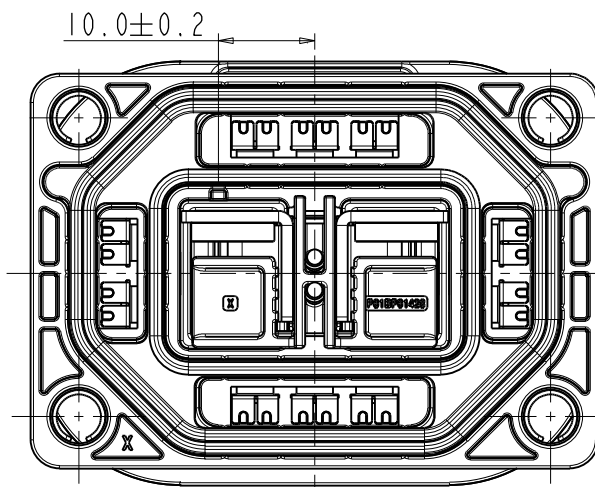
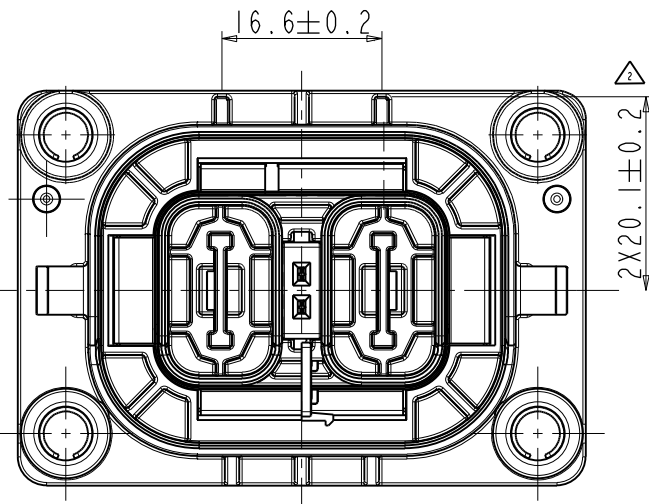


TABLE 2:

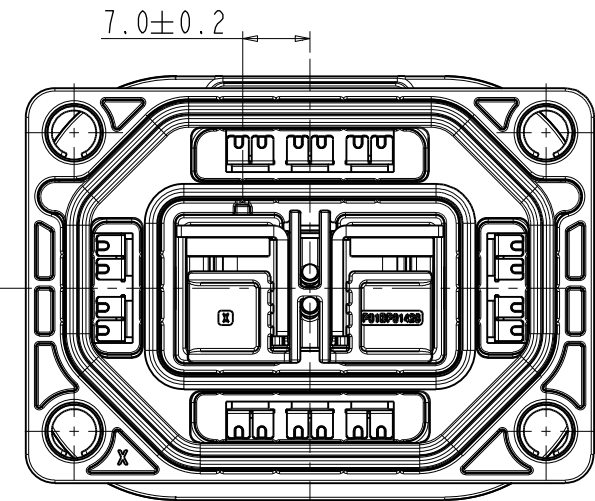
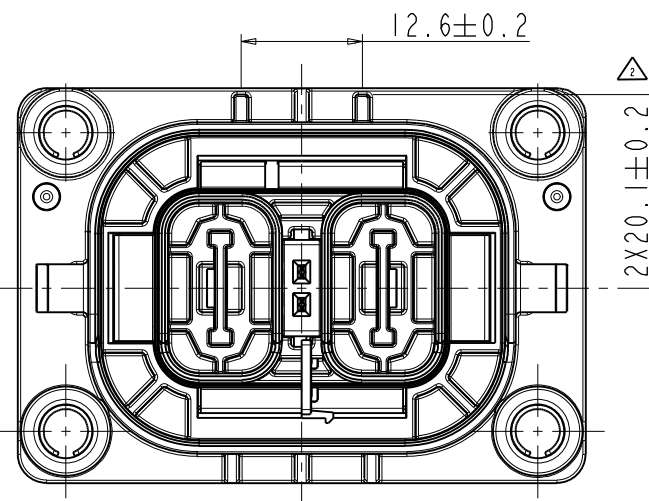
| MAIN BODY P/N | KEY X |
|---------------|-------|
| P02B00106501  | KEY A |
| P02B00106502  | KEY B |
| P02B00106503  | KEY C |

| 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 |

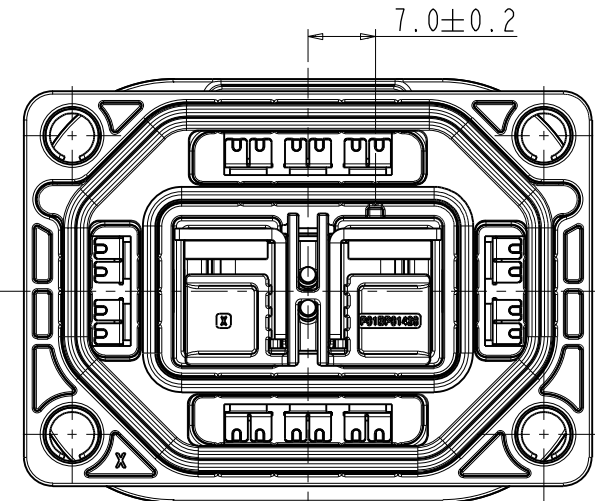
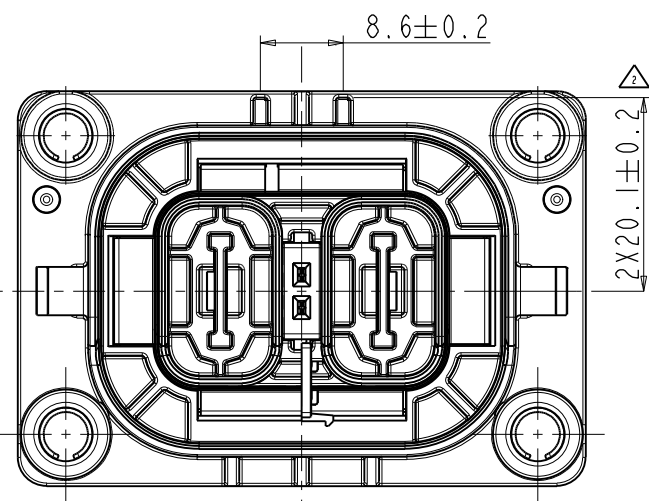
| SIZE       | DWG NO.          | REV          |
|------------|------------------|--------------|
| A3         | C-HVSLF10022XX01 | 2            |
| SCALE: 1:1 |                  | SHEET 2 OF 3 |



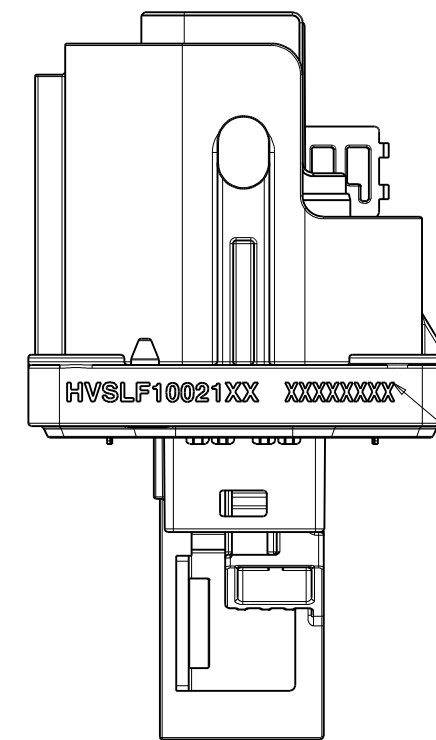
KEY A



KEY B

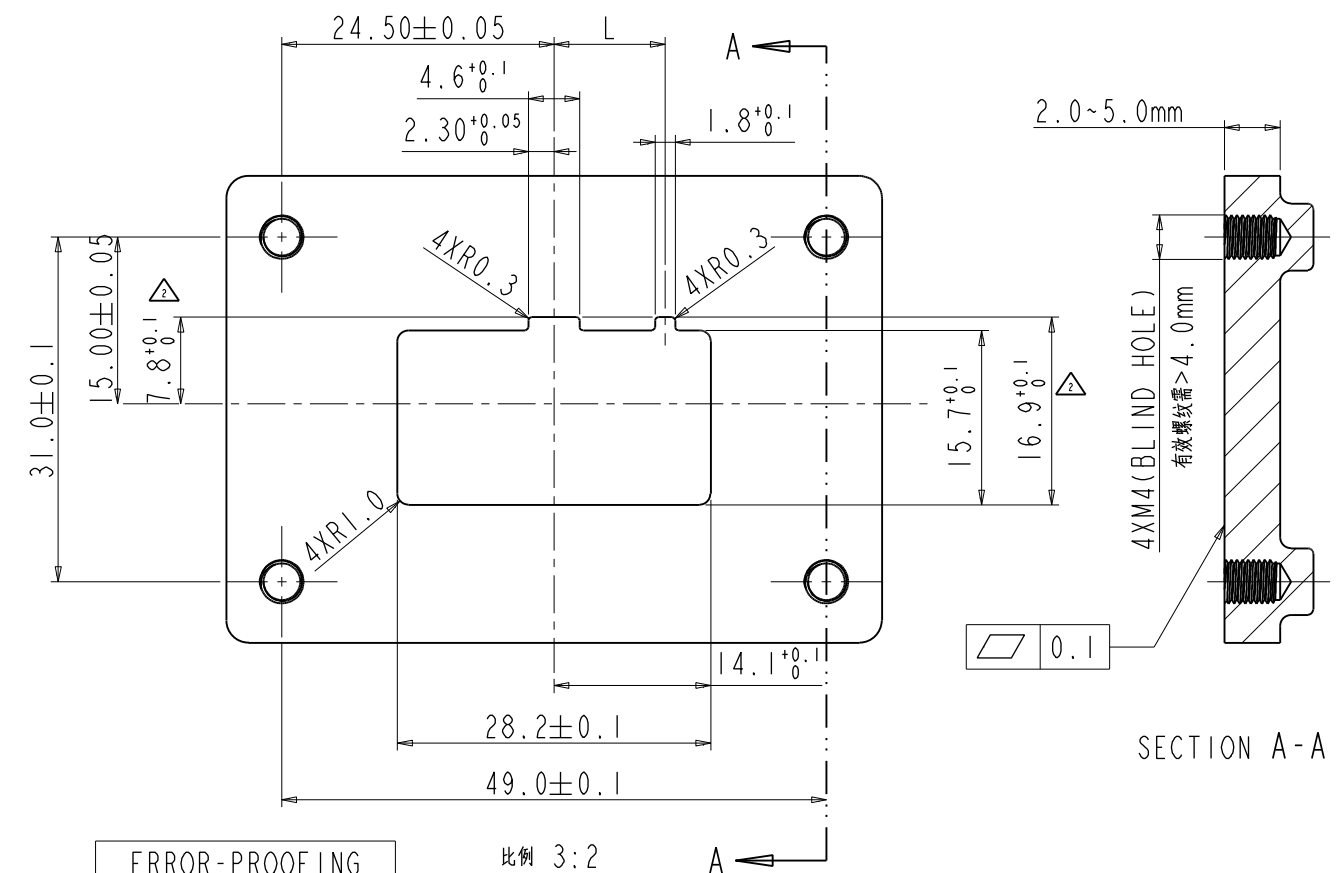


KEY C



PRODUCT TRACEABILITY CODE

## 8. RECOMMENDED MOUNTING PLATE



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

比例 3:2

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