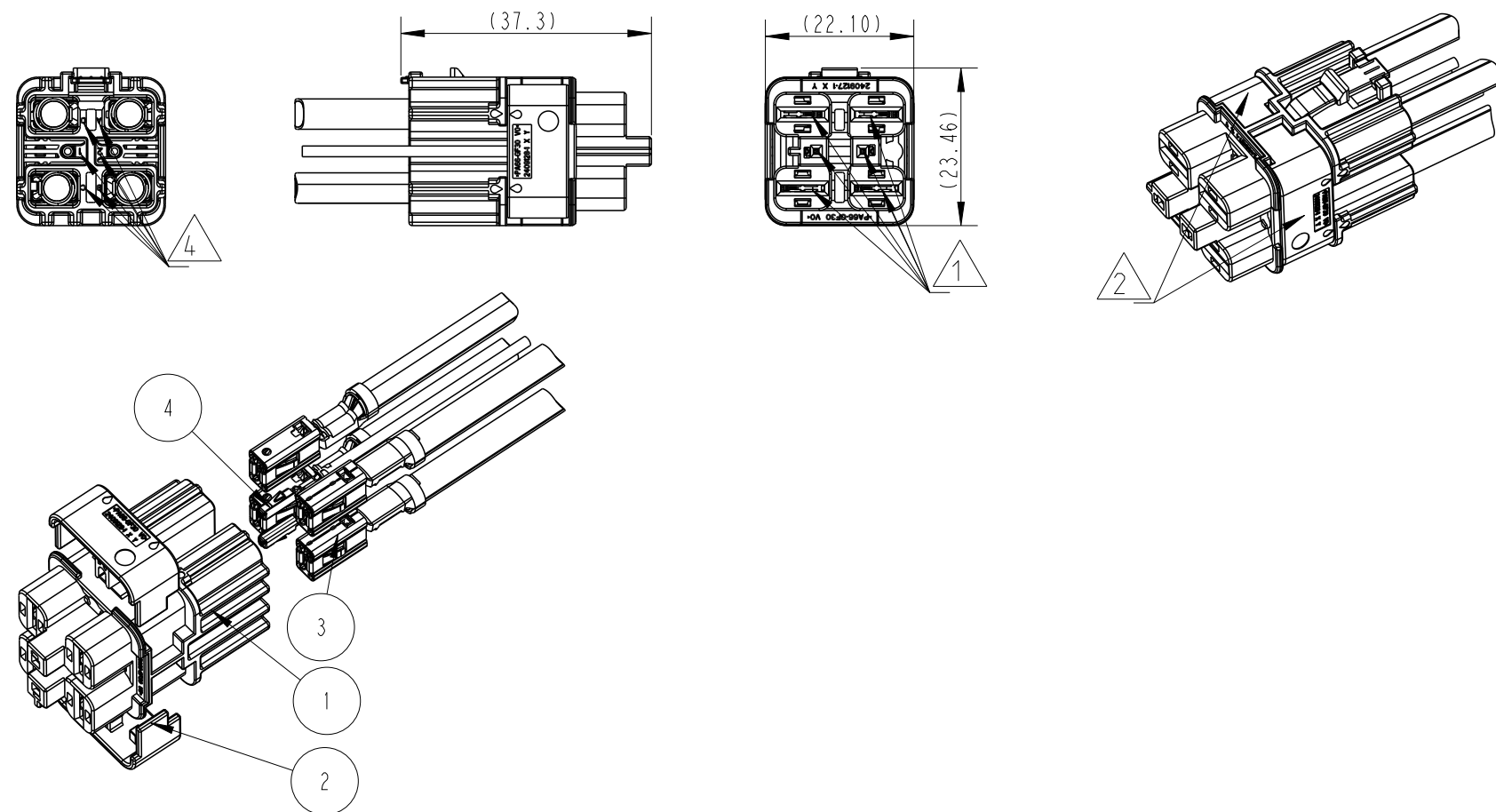




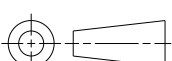
|                        |                                        |             |                  |            |        |      |
|------------------------|----------------------------------------|-------------|------------------|------------|--------|------|
| 2                      | MQS 0.63 SOCKET<br>AG 0.25~0.35mm^2    | 5-928999-6  | 929454           | AG PLATING | /      | 4    |
|                        | MQS 0.63 SOCKET<br>AG 0.5~0.75mm^2     | 5-963715-6  |                  |            |        |      |
| 4                      | MCP6.3 TERMINAL FEMALE<br>AG 1~2.5mm^2 | 1241404-3   | 1241438          | AG PLATING | /      | 3    |
|                        | MCP6.3 TERMINAL FEMALE<br>AG 2.5~4mm^2 | 1241406-3   |                  |            |        |      |
|                        | MCP6.3 TERMINAL FEMALE<br>AG 4~6mm^2   | 2-1241408-3 |                  |            |        |      |
| 2                      | TPA                                    | 2409128-1   | 2409128          | PA66 V0    | ORANGE | 2    |
| 1                      | INNER PLUG HOUSING<br>CODING A         | 2409127-1   | 2409127          | PA66 V0    | BLACK  | 1    |
| 2409126-1              | DESCRIPTION                            | PART NO.    | CUSTOMER DRAWING | MATERIAL   | COLOR  | ITEM |
| QTY. PER ASSY<br>PARTS | PART LIST                              |             |                  |            |        |      |

| REVISIONS |     |                  |          |     |      |
|-----------|-----|------------------|----------|-----|------|
| P         | LTR | DESCRIPTION      | DATE     | DWN | APV  |
|           | A   | INITIAL RELEASED | 27MAR123 | R.C | E. J |
|           | B   | ECN-24-289734    | 24OCT24  | R.C | E. J |

| RATINGS                      |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| MAX WORDING VOLTAGE          | 1000V DC                                                                   |
| ELEVATION                    | 5500m ABOVE SEA LEVEL                                                      |
| DIELECTRIC WITHSTAND VOLTAGE | 3700V DC                                                                   |
| ISOLATION RESISTANCE         | >100M $\Omega$                                                             |
| POLLUTION DEGREE             | 2                                                                          |
| CURRENT CARRY CAPABILITY     | 55A (FOR 6mm <sup>2</sup> WIRE)@85℃<br>45A (FOR 4mm <sup>2</sup> WIRE)@85℃ |
| APPLICATION TEMPERATURE      | -40~+125℃                                                                  |
| VIBRATION                    | LV214 SEVERITY 2 OR USCAR V1                                               |
| DEGREE OF SEALING            | IP67, IP68, IP69K                                                          |
| DEGREE OF PROTECTION         | OPEN: IPXXB<br>CONNECTED: IPXXD                                            |

- 1 ALL THE TERMINALS MUST BE FULLY SEATED AND LOCKED IN POSITION.
- 2 TWO TPAS MUST BE ASSEMBLED IN FINAL POSITION.
- 3 PARTS ARE NOT AVAILABLE ASSEMBLED AS SHOWN.  
FINAL ASSEMBLY REQUIRES INDIVIDUAL COMPONENTS LISTED IN THE PARTS LIST AND AVAILABLE SEPARATELY FROM TE.  
CONSULT INDIVIDUAL CUSTOMER DRAWINGS FOR PARTS RELEASE STATUS.
- 4 PIN NO. MARKS.
- 5 MCP 6.3 TERMINAL FEMALE PARTS CAN BE SELECTED ACCORDING TO CUSTOMER'S REQUEST.  
APPLICATION PLEASE SEE 114-18388.  
MQS 0.63 SOCKET PARTS CAN BE SELECTED ACCORDING TO CUSTOMER 'SREQUEST.  
APPLICATION PLEASE SEE 114-18021.

6. MATE WITH TE HEADER PART NO.:2408721-1/2.

|                                                                                       |  |                                                                                                                        |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>R. CHEN<br>25MAR2023                                                                                            |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | CHK<br>R. CHEN<br>25MAR2023                                                                                            |  |                                                                                                       |  |
|  |  | APVD<br>E. JIANG<br>27MAR2023                                                                                          |  | NAME<br>HVA630 4P INNER PLUG<br>KIT DRAWING                                                           |  |
|                                                                                       |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± 0.5<br>1 PLC ± 0.3<br>2 PLC ± 0.25<br>3 PLC ±<br>4 PLC ±<br>ANGLES ± |  |                                                                                                       |  |
| MATERIAL<br>SEE TABLE                                                                 |  | PRODUCT SPEC<br>108-160598                                                                                             |  | SIZE                                                                                                  |  |
|                                                                                       |  | APPLICATION SPEC<br>114-160339                                                                                         |  | CAGE CODE                                                                                             |  |
|                                                                                       |  | WEIGHT                                                                                                                 |  | DRAWING NO                                                                                            |  |
|                                                                                       |  | CUSTOMER DRAWING                                                                                                       |  | RESTRICTED TO                                                                                         |  |
|                                                                                       |  |                                                                                                                        |  | A3 00779 ©-2409126                                                                                    |  |
|                                                                                       |  |                                                                                                                        |  | SCALE 1:1                                                                                             |  |
|                                                                                       |  |                                                                                                                        |  | SHEET 1 OF 1                                                                                          |  |
|                                                                                       |  |                                                                                                                        |  | REV B                                                                                                 |  |