

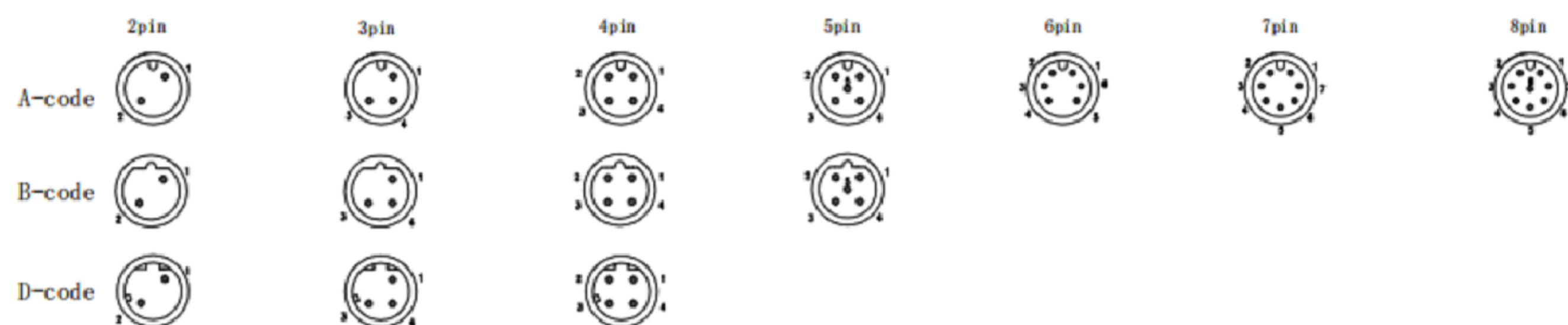
Order data/订货信息

| Contacts<br>芯数 | Coding | Part number('X' is length millimetre mm)<br>产品料号('X'表示长度, 单位毫米mm) |                  | Contacts<br>芯数 | Coding | Part number('X' is length millimetre mm)<br>产品料号('X'表示长度, 单位毫米mm) |                  |
|----------------|--------|---|------------------|----------------|--------|---|------------------|
|                |        | PVC jacket/PVC外被  | PUR jacket/PUR外被 |                |        | PVC jacket/PVC外被  | PUR jacket/PUR外被 |
| 02Pin          | A-code | M12A02-09-002-1X  | M12A02-09-002-2X | 02Pin          | B-code | M12B02-09-002-1X  | M12B02-09-002-2X |
| 03Pin          | A-code | M12A03-09-002-1X  | M12A03-09-002-2X | 03Pin          | B-code | M12B03-09-002-1X  | M12B03-09-002-2X |
| 04Pin          | A-code | M12A04-09-002-1X  | M12A04-09-002-2X | 04Pin          | B-code | M12B04-09-002-1X  | M12B04-09-002-2X |
| 05Pin          | A-code | M12A05-09-002-1X  | M12A05-09-002-2X | 05Pin          | B-code | M12B05-09-002-1X  | M12B05-09-002-2X |
| 06Pin          | A-code | M12A06-09-002-1X  | M12A06-09-002-2X | 02Pin          | D-code | M12D02-09-002-1X  | M12D02-09-002-2X |
| 07Pin          | A-code | M12A07-09-002-1X  | M12A07-09-002-2X | 03Pin          | D-code | M12D03-09-002-1X  | M12D03-09-002-2X |
| 08Pin          | A-code | M12A08-09-002-1X  | M12A08-09-002-2X | 04Pin          | D-code | M12D04-09-002-1X  | M12D04-09-002-2X |

Specifications/技术参数

| Pin numbers/芯数                        | 02 Pin                                   | 03 Pin | 04 Pin | 05 Pin | 06 Pin | 07 Pin | 08 Pin |
|---------------------------------------|--|--------|--------|--------|--------|--------|--------|
| Rated voltage/额定电压                    | 125V                                     |        |        | 30V    |        |        |        |
| Rated current/额定电流                    | 4A                                       |        |        | 2A     |        |        |        |
| Standards/regulations/标准              | IEC 61076-2-101                          |        |        |        |        |        |        |
| Termination接线方式                       | Solder and over-mold/焊接和成型               |        |        |        |        |        |        |
| Connector locking system/锁紧方式         | Screw锁紧                                  |        |        |        |        |        |        |
| Degree of protection/防护等级             | IP67/IP68                                |        |        |        |        |        |        |
| Wire gauge (mm <sup>2</sup> )/线规(平方数) | 0.14mm <sup>2</sup> ~0.75mm <sup>2</sup> |        |        |        |        |        |        |
| Wire gauge (AWG)/线号(平方数)              | 26AWG-18AWG                              |        |        |        |        |        |        |
| Mechanical operation/插拔次数             | 100 mating cycles Min                    |        |        |        |        |        |        |
| Contact resistance/接触电阻               | ≤5mΩ                                     |        |        |        |        |        |        |
| Insulation resistance/绝缘电阻            | ≥1000MΩ                                  |        |        |        |        |        |        |
| Connector body material/胶芯材料          | PA66                                     |        |        |        |        |        |        |
| Pin material/端子材料                     | Brass with gold plated                   |        |        |        |        |        |        |
| Nut and shell material/螺母和铜壳材料        | Brass with nickel plated                 |        |        |        |        |        |        |
| Over-mold material/成型材料               | PVC                                      |        |        |        |        |        |        |

Pin assignment front view/针位分布前视图



东莞市高迪电子有限公司  
DONG GUAN GAO DI ELECTRONICS CO., LTD

TOLERANCE UNLESS OTHERWISE STATED: Up to 5 ±0.2, Above 5 ~ 15 ±0.3, Above 15 ~ 30 ±0.4, Above 30 ~ 50 ±0.5, Angle ±0.3

3RD. ANGEL'S

UNITS MM

|                        |                |                  |                         |
|------------------------|----------------|------------------|-------------------------|
| DRAWN BY: Jack Lu      | DATE: 12/13/19 | MATL             | TITLE: CONNECTOR        |
| CHECKED BY: Jacky Chen | DATE: 12/13/19 | FINISH           | MODLE: M12XXX-09-002-XX |
| APPROVED BY: Tony Kao  | DATE: 12/13/19 | SCALE: 1:1       | DWG NO.                 |
|                        |                | SHEET NO: 1 of 1 | PART NO.                |
|                        |                |                  | SIZE: A4                |
|                        |                |                  | VER: R1                 |

| ITEM NO. | DESCRIPTION | DRAWN | DATE |
|----------|-------------|-------|------|
|          |             |       |      |
|          |             |       |      |
|          |             |       |      |