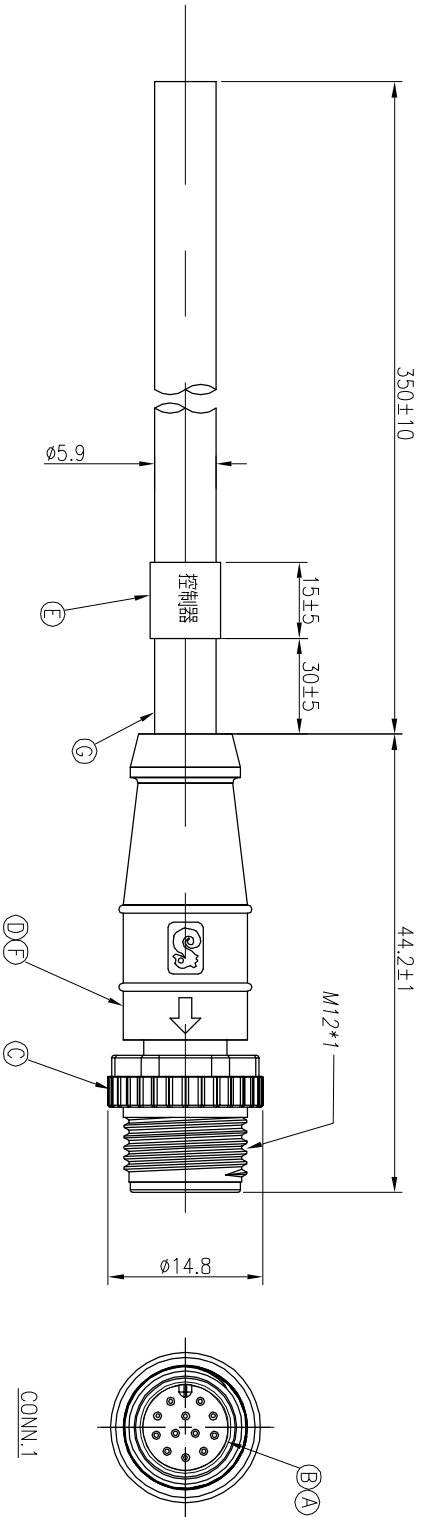


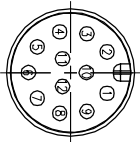
| REV. | ECN NO. | OR DESCRIPTION | REVISED | DATE       |
|------|---------|----------------|---------|------------|
| A    | PDR     | NO:A230202-4C  | Elrod   | 2025.08.08 |



CONN.1

WATERPROOF RATE: IP67

|   |                               |        |
|---|-------------------------------|--------|
| D | GREY                          | 12     |
|   | LIGHT GREEN                   | 11     |
|   | PINK                          | 10     |
|   | WHITE                         | 9      |
|   | BROWN                         | 8      |
| C | PURPLE                        | 7      |
|   | BLACK                         | 6      |
|   | BLUE                          | 5      |
|   | RED                           | 4      |
|   | YELLOW                        | 3      |
| B | GREEN                         | 2      |
|   | ORANGE                        | 1      |
|   | WIRE COLOR                    | CONN.1 |
|   | PIN DEFINE                    |        |
|   | CONN.1                        |        |
| A | Pin Assignments<br>Front View |        |



NOTES:

1. WATERPROOF RATE: IP67  
IP67: IMMERSED IN 1M WATER FOR 30 MINUTES
2. RATING:2A
3. TEST CONDITIONS:  
3-1. CONDUCT RESISTANCE: 3 Ohm Max.  
3-2. HI-POT TEST 500VAC,5mA(1SEC)  
3-3. INSULATION RESISTANCE: 100MOhm MIN. BY 500 VDC
4. SPECIFICATIONS:SEE "M12 SERIES SPECIFICATIONS".
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **G.P. PASS**

|                                                             |                  |           |                        |                                    |
|-------------------------------------------------------------|------------------|-----------|------------------------|------------------------------------|
| G                                                           | CABLE            | 1         | 26AWG*12C+AL<br>OD=5.9 | BLACK                              |
| F                                                           | HEAT SHRINK TUBE | 12        | 300V 125°C             | BLACK                              |
| E                                                           | TUBE             | 1         | 125°C 600V             | WHITE                              |
| D                                                           | OVER MOLD        | 1         | TPU                    | BLACK                              |
| C                                                           | SCREW NUT        | 1         | PA66 FR370             | BLACK                              |
| B                                                           | MALE PIN         | 12        | BRASS                  | GOLD PLATED<br>OVER NICKEL PLATING |
| A                                                           | BODY             | 1         | TPU                    | BLACK                              |
| NO                                                          | DESCRIPTION      | QTY       | MATERIAL               | PLATING & COLOR                    |
| UNLESS OTHERWISE SPECIFIED TOLERANCES                       |                  |           |                        |                                    |
| Suzhou Singatron Auto Electronics Co., Ltd.<br>蘇州新格汽車電子有限公司 |                  |           |                        |                                    |
| TITLE M12 SERIES 180° 12PIN MALE CONN.                      |                  |           |                        |                                    |
| DWN                                                         | Elrod            | PART NO.  | 2MT3012-W12208H        |                                    |
| CHKD                                                        | Allen            | SCALE 2:1 | UNIT: mm               |                                    |
| APVD                                                        | Liao             | SIZE: A3  | SHEET: 1 OF 1          | REV: A                             |
| CUSTOMER COPY                                               |                  |           |                        |                                    |