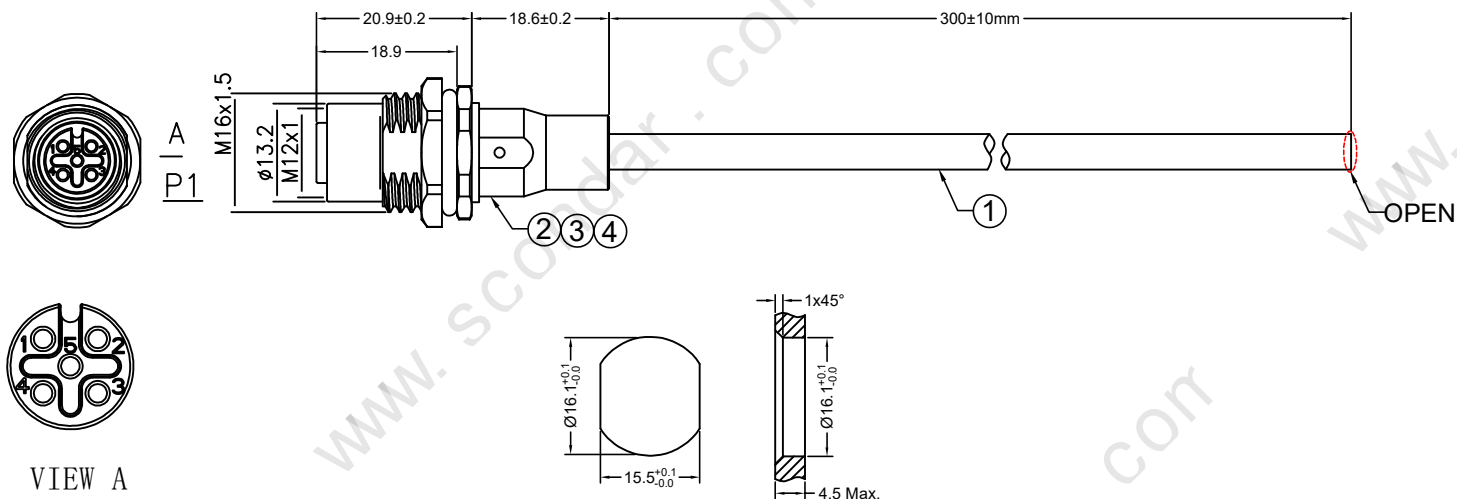


Weight: g/pcs

RoHS Compliant

| Technical requirements for plugs |                     |
|----------------------------------|---------------------|
| Connection Method                | Threaded Connection |
| Wiring Method                    | Welding             |
| Temperature Range                | -40℃~80℃            |
| Pollution Level                  | 3                   |
| Protection Level                 | IP67(Locked State)  |
| Plug and unplug lifespan         | ≥500                |
| Rated Voltage                    | 250V AC/DC          |
| Rated Current                    | 4.0A                |
| Contact Resistance               | ≤5mΩ                |
| Insulation Resistance            | ≥100MΩ              |
| Quality Standard                 | IPC-A-620           |



### Panel aperture dimensions

Technical requirements:

- 1.100% inspection of products.
- 2.High voltage test: DC 300V/0.01S
- 3.Insulation impedance: 10M  $\Omega$  Min
- 4.Conductor impedance: 3  $\Omega$  Max
- 5.Short circuit test: 100% test
- 6.Compliant with ROHS requirements.

|    |                    |                                                                                                                                                                                                     |      |      |        |
|----|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--------|
| 4  | HTB-ID200          | Heat Shrink Tube Ø:2.0mm Color:Black 15mm*2PCS                                                                                                                                                      | MM   | 30   |        |
| 3  | M12-S5A-GWFM16-PBG | M12 5Pin Female Plug, Installed Behind The Board, With A Short Rubber Core and Regular Needle                                                                                                       | PCS  | 1    |        |
| 2  | S-67-8.2           | M12 Flange Socket Shielded Pipe Outlet ID: 8.2mm S-67-8.2                                                                                                                                           | PCS  | 1    |        |
| 1  | 1P22+1P24-002      | UL20236 24AWG(19/0.127TC)*1P(Blue;White ID:1.4mm PE Material)+AL +22AWG (19/0.15TC) x1P(Red;Black ID:1.95mm PE Material)+D+B(19/0.15TC)+non-woven fabric 80℃ 300V PUR Jacket OD:6.7mm,Color: Purple | MM   | 320  |        |
| NO | PART NO            | DESCRIPTION                                                                                                                                                                                         | UNIT | Q'TY | REMARK |

|           |                 |            |         |             |            |
|-----------|-----------------|------------|---------|-------------|------------|
| REVISIONS |                 |            |         | DATE        | 2026.07.15 |
| REV       | DESCRIPTION     | DATE       | ECN NO. | DRAWN BY    | Yao        |
| A         | INITIAL RELEASE | 2026.07.15 |         | CHECKED BY  | Xiong      |
|           |                 |            |         | APPROVED BY | Lisa       |

| PIN ASSIGNMENT |    |       |                              |      |
|----------------|----|-------|------------------------------|------|
|                | P1 | Color | Stranded Wire                | P2   |
| Short Circuit  | 1  | Gnd   | /                            | OPEN |
|                | 2  | Red   | Red/Black<br>Twist Together  | OPEN |
|                | 3  | Black |                              | OPEN |
|                | 4  | White | White/Blue<br>Twist Together | OPEN |
|                | 5  | Blue  |                              | OPEN |
|                |    | Shell | Braid                        | /    |



SCONDAR ELECTRONIC LIMITED

|                                                                                                             |                                                                                       |          |                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|-----------------|
| TOLERANCES: $\pm 0.3\text{mm}$                                                                              |  | UNIT: mm | PAGE/<br>1 of 1 |
| SCT P/N                                                                                                     | SCT-RW0013                                                                            |          | Rev<br>A        |
| CUSTOMER P/N                                                                                                |                                                                                       |          |                 |
| CUSTOMER                                                                                                    | Robot Wiring Wire Harness                                                             |          |                 |
| TITLE: M12 5Pin A code Female Plug To OPEN UL20236 24AWGx1P+22AWGx1P<br>Purple PUR Jacket OD:6.7mm L=1000mm |                                                                                       |          |                 |