

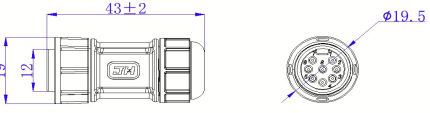
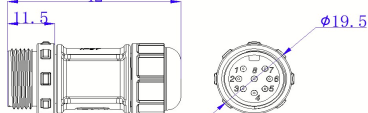













M16 Series Specifications

公头接头母针-Male Connector &Female PIN/Female connctor & Male PIN		
描述 Description	组装式, 螺纹, 焊接 Field Assembly, Thread, Solder	组装式, 螺纹, 焊接 Field Assembly, Thread, Solder
照片 Photo		
尺寸 (Drawing)		

料号 P/N	芯数 Pin		料号 Part No.		芯数 Pin		料号 Part No.	
		2	3	92031-02	92030-02	2	3	92030-02
		4	92031-04	92030-04		4	92030-04	92030-05
		5	92031-05	92030-05		5	92030-05	92030-06
		6	92031-06	92030-06		6	92030-06	92030-07
		7	92031-07	92030-07		7	92030-07	92030-08
		8	92031-08	92030-08		8	92030-08	92030-09
		9	92031-09	92030-09		9	92030-09	92030-10
		10	92031-10	92030-10		10	92030-10	92030-11
		11	92031-11	92030-11		11	92030-11	92030-12
		12	92031-12	92030-12		12	92030-12	

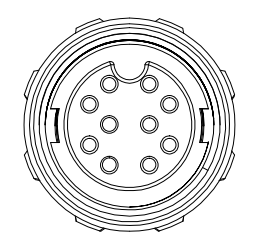
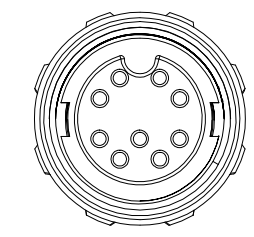
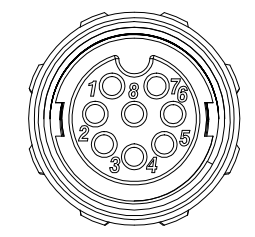
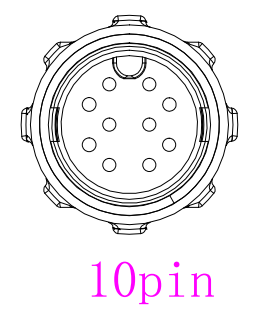
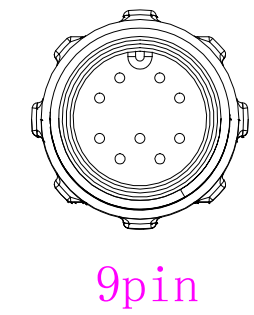
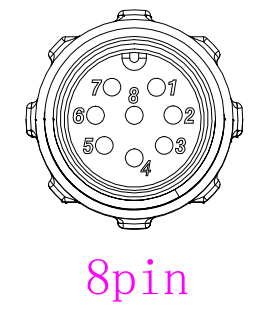
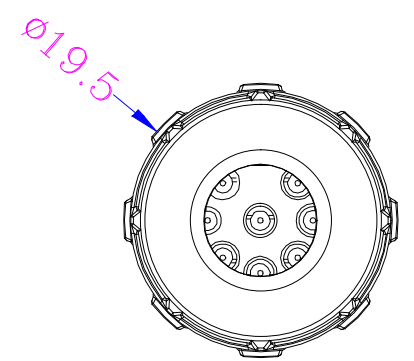
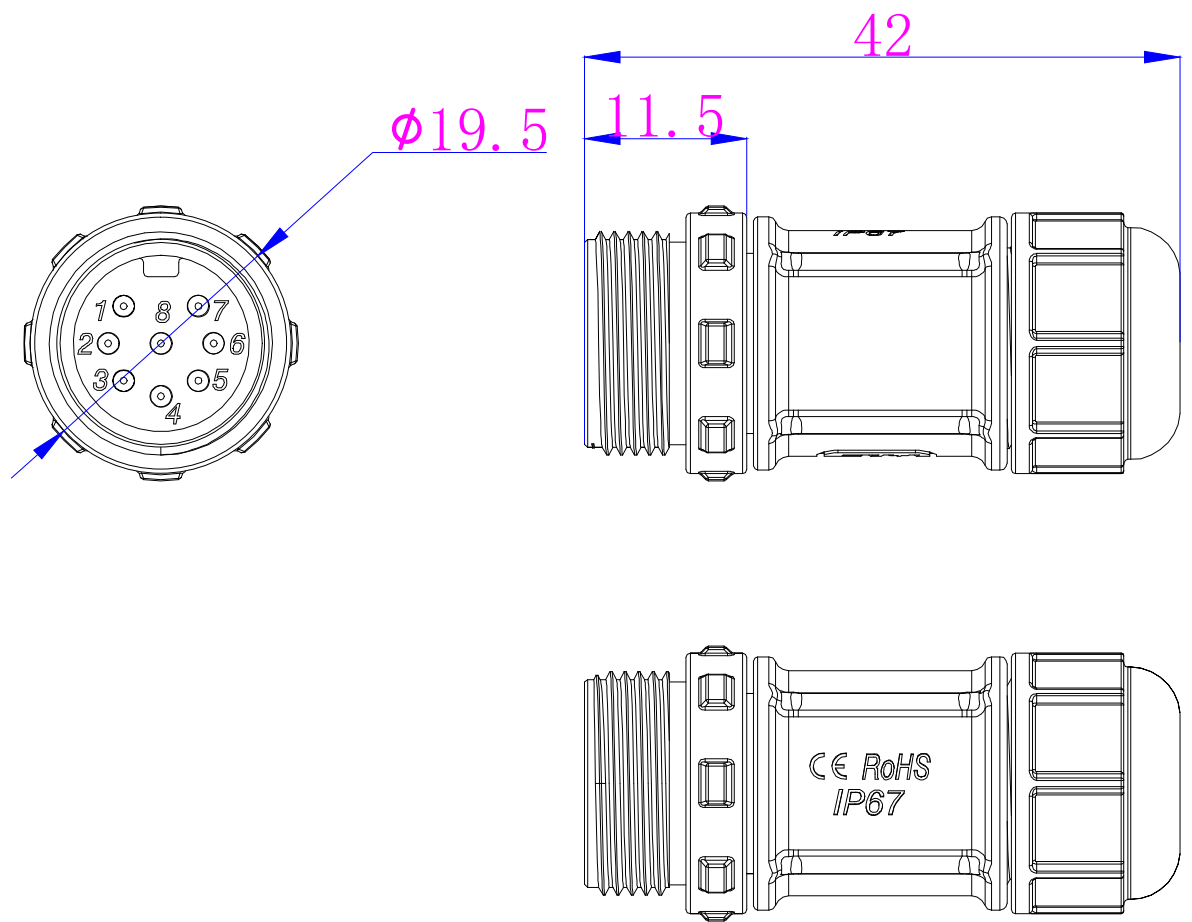
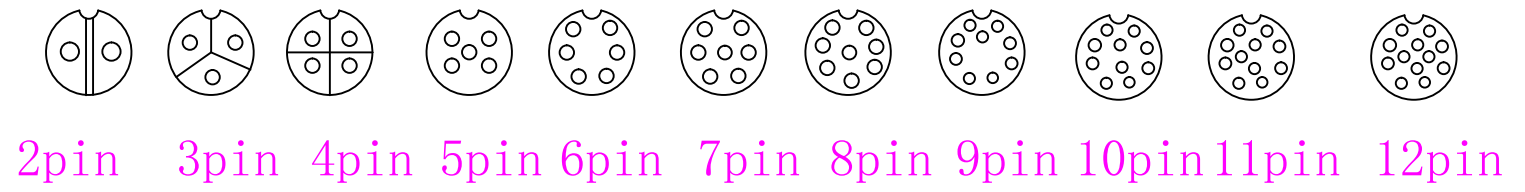
芯数 Pin	2	3	4	5	6	7	8	9	10	11	12
额定电压 Vdiage	250v	251v	252v	110v	110v	110v	110v	60v	60v	60v	60v
额定电流 Current	15A	15A	15A	5A	5A	5A	5A	5A	5A	5A	5A
线材匹配 Wire Gague	≤1.5mm <sup>2</sup>	≤1.5mm <sup>3</sup>	≤1.0mm <sup>2</sup>	≤0.75mm <sup>2</sup>	≤0.5mm <sup>2</sup>	≤0.3mm <sup>2</sup>	≤0.3mm <sup>2</sup>	≤0.2mm <sup>2</sup>	≤0.2mm <sup>2</sup>	≤0.2mm <sup>2</sup>	≤0.2mm <sup>2</sup>
插拔次数 Mechanical	3000 Mating cycles										
工作温度 Operating	-40~105C										
防水等级 Waterproof	IP67										
线材外径 CABLE OD	3.5mm~8.5mm										

PIN 排列 PIN Layout											
	2pin	3pin	4pin	5pin	6pin	7pin	8pin	9pin	10pin	11pin	12pin

# M16 connector test report

1. Appearance and environment description  
 1.1 external reference size (length ×width ×height)(mm) : the actual object shall prevail (the drawing is for reference only).  
 1.2 environmental conditions  
 Operating temperature: -40 ~ 105 storage temperature: -25 ~ 85 atmospheric pressure: (86 ~ 106) KPa  
 Relative humidity: ≤90% waterproof grade: IP67  
 2: product structure description  
 2.1 wiring mode: welding wire.2.2 into the largest diameter: 8.5 mm Φ  
 2.3 connector contact element and coating: Φ1.5 mm gold plated brass.2.4 contact plastic: nylon, v-0 grade flame retardant.  
 2.5 waterproof apron: silica gel.2.6 glue pouring: epoxy resin.  
 2.7 rated current: 5A 2.8 rated voltage: 60V DC  
 3: test  
 3.1 electrical strength: according to the method of 1005 in gjb1217-1991, test voltage (effective value) DC between conductor and insulator at normal temperature and pressure 300V, no breakdown or flashover phenomenon after 1min, the excess leakage current is less than 2mA.  
 3.2 insulation resistance: according to gjb1217-1991 method of 1005, test voltage (effective value) DC300V between conductor and insulator at normal temperature and pressure. Insulation resistance is greater than 20 m Ω  
 3.3: contact resistance under atmospheric pressure, waterproof connectors male female plug or state, the contact resistance Ω 20 m or less.  
 3.4 salt spray test: connector without plug shall withstand sodium chloride solution of 5% salt solution concentration according to gjb1217-1991 method 1001. After 48 hours of neutral salt spray test at a temperature of 35±2 , no corrosion affecting performance appeared.  
 3.5 waterproof performance: at normal temperature and pressure, male and female insert and install the nut of the waterproof connector, place it in 1m deep clear water, test time is 4h, and there is no nut in the connector Water seepage.Cool for 30min at normal temperature and pressure, and the test reaches the requirements of 3.1, 3.2 and 3.3.  
 3.7 mechanical life: according to the 2016 test of gjb1217-1991 method, the contact parts shall be inserted and pulled 1500 times, and the friction surface of the contact parts shall allow the coating to be slightly Wear, but does not expose its base metal, does not appear to affect the performance of mechanical damage, test contact resistance after the test meets the requirements of test part 3.3.  
 3.8 interoperability: the free connector and fixed connector of the same type and specification shall be fully inserted and separated.  
 3.9 environmental adaptability: the product shall meet the requirements specified in table 1 after being tested under the conditions described in table 1.  
 3.10 test method: unless otherwise specified, normal temperature and pressure refers to temperature of 15 ~ 35 , relative humidity of 45% ~ 75%, atmospheric pressure of 86KPa ~ 106KPa.  
 Table 1

Item		Test conditions		Test method for	Test items and requirements
1	Mechanical operation	Mechanical operation	1500	GJB1217-1991 Standard 2016	
2	Temperature	Upper temperature	+85	GB/ t2423.1-2001 "test Ab"	When the test is over, press after resuming 3.1, 3.2, 3.3, 3.4 , 3.5, 3.6, 3.7, 3.8, 3.9 requirements
		Lower temperature	-25		
		Test duration H	16	GB/ t2423.2-2001 "test Bb"	
Recovery Time H	2				
3	constant Hot and humid	Operating temperature,	85±2	GB/ t2423.9-2001 medium "test Cb"Relative humidity	
		Relative humidity	93±3		
		Test duration, H	48		
4	Vibration	Frequency, Hz	10 ~ 55	GB/ t2423.10-1995 medium "test"Fc"	
		Amplitude, mm	0.35		
		The vibration direction	Three mutually perpendicular Straight direction		
5	Free Fall	Height, mm		GB/T2423.10 -1995中"试验次数 Fc"	
		The number of			



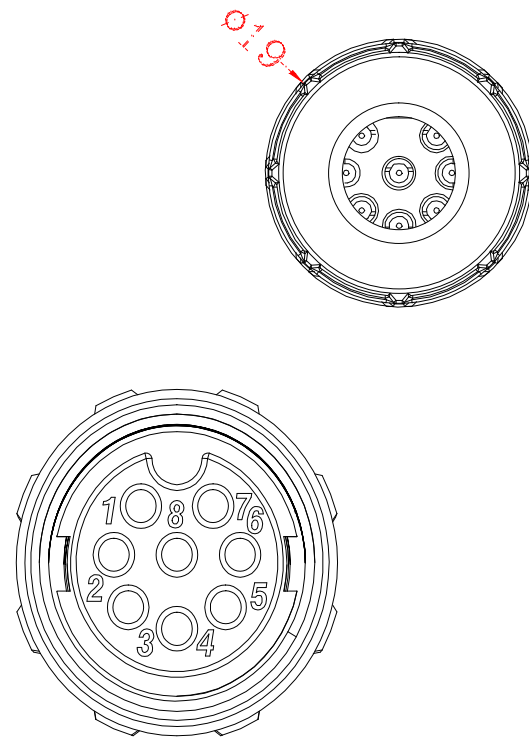
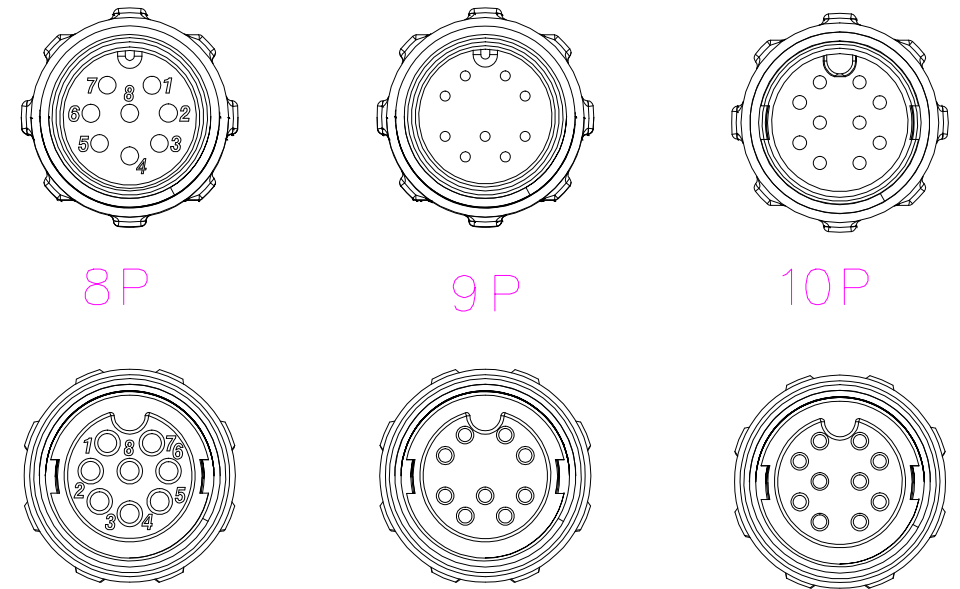
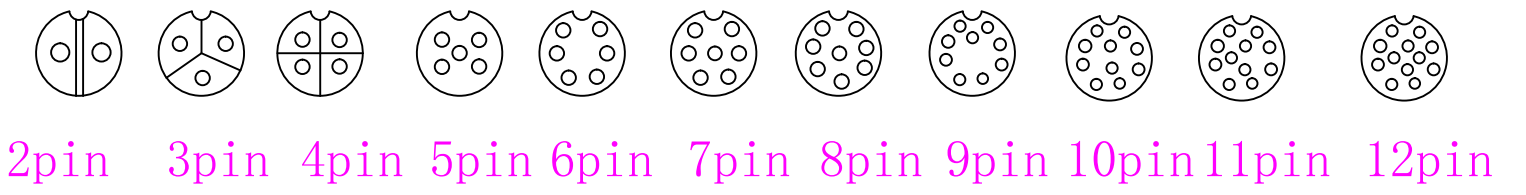
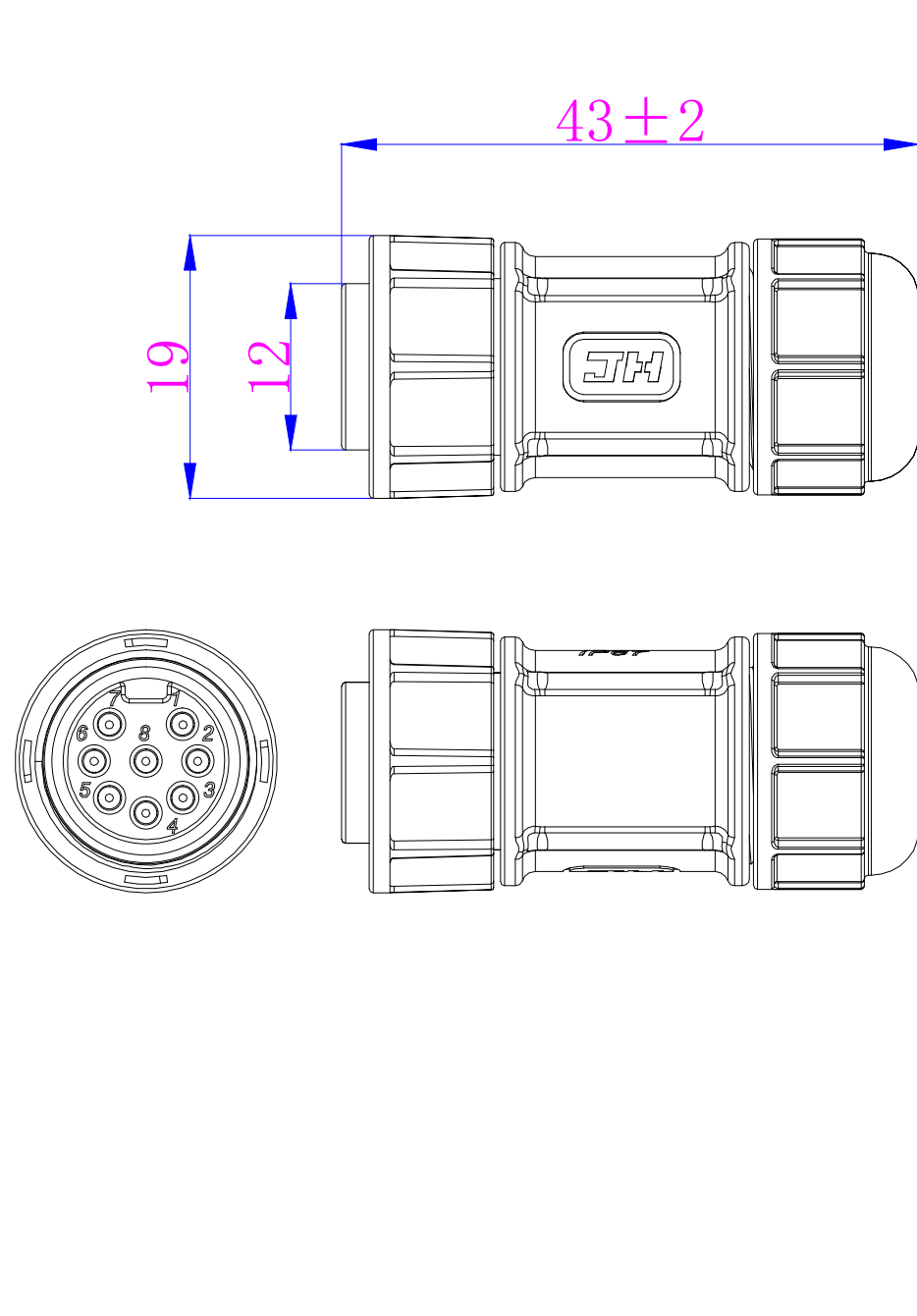
NOTE:

- 100% OPEN AND SHORT ELECTRICAL TEST.
- TESTING CONDITIONS:  
 VOLTAGE: 300V AC 600V DC  
 INSULATION RESISTANCE: 30 Mohms min.  
 CONTACT RESISTANCE: 2 Ohms max.
- This is a RoHS assembly.

<http://www.jh-com.com>

UNDECLARED TOLERANCE		CUS P/N:	骏慧兴业科技有限公司 Shenzhen JH-C Precision Technology CO			
X. ±1.0	X. ° ±2.0°					
.X±0.5	.X° ±1.0°					
.XX±0.2	.XX° ±0.5°	PART NO. : 92030-XX	TITLE: M16/M Waterproof connector assembly type			
UNITS: MM		APPD. :	DWG NO. :B00013			
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF JH-C AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF JH-C.		CHKD. :		SCALE	SHEET	REV.
		DR. : HWJ_03/11/18'		1:1	1/1	A

ITEM	PART NAME	DESCRIPTION	QTY
1			



NOTE:  
 1. 100% OPEN AND SHORT ELECTRICAL TEST.  
 2. TESTING CONDITIONS:  
 VOLTAGE: 300V AC 600V DC  
 INSULATION RESISTANCE: 30 Mohms min.  
 CONTACT RESISTANCE: 2 Ohms max.

<http://www.jh-com.com>

UNDECLARED TOLERANCE		CUS P/N:	骏慧兴业科技有限公司 Shenzhen JH-C Precision Technology CO		
X. ±1.0	X. ° ±2.0°				
.X±0.5	.X° ±1.0°	PART NO. : 92031-XX	TITLE: M16/F Waterproof connector assembly type		
.XX±0.2	.XX° ±0.5°				
UNITS: MM		APPD. :	DWG NO. :B00014		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF JH-C AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF JH-C.		CHKD. :	SCALE	SHEET	REV.
		DR. : HWJ_03/11/18'			

ITEM	PART NAME	DESCRIPTION	QTY
1			
2			
3			
4			
5			
6			
7			
8			