

Datasheet

LP-16 series multi-application waterproof connector with a patented push-button connection method.

With this push-button control it is possible to disconnect and connect very easily and quickly.

Without difficult twisting movements or unscrewing the secured connection and is therefore suitable for various fast and efficient operation scenarios.

The overall appearance design of this series is simply elegant and in addition it has a multiple patented waterproof structure design.

Due to this design, there is high water tightness and can avoid the penetration of external water.

By using high quantity materials, this series can be applied a harsh industrial environments.

Key features:



Easy to connect and disconnect.



High waterproof protection.



Can withstand cold and heat.



Reliable connections.



Multiple shape connector versions.



Flexible installation



With screw or solder or crimp.



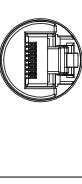
Can be in difference color on request

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From the series of	LP-12, LP-16, LP20, LP24, LP28
Types of applications	Multiple pin type's 2,3,4,5,7,8,9 Signal RJ45 Data USB, USB-C
Voltage rating	400V 2~4 pin, 250V 5,7~9 pins,
Current rating	10A 2~4 pin, 5A 5,7~9 pins
Cable entry	Ø 3.0~5.0mm, Ø 5.0~7.0mm, Ø 7.0~9.0mm
Housing type	Hoog impact engineering kunststof, metaal of Chrome plating
Manufacturing methods	Metaal gegoten en kuststof gespoten.
Insert materials	Mannelijke/ vrouwelijke contacten koper legering met goud over nikkel plating.
Isolator	Engineering kunststof, Optische vezel einde van Hoog modulus glas fiber
Production process	Machine draai en stampwerk

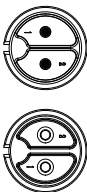
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Product Series		LP-16										LP-16			
		Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	Type- C				
Power/Signal	Contact Layout	 Male  Female	 Male  Female	 Male  Female	 Male  Female	 Male  Female		 Male  Female	 Male  Female			—			
	Current Rating(A)	10	10	10	5	5	5	5	1.5	3	—				
	Voltage Rating(V)	400	400	400	250	250	250	250	125	5	—				
	Cable O.D(mm)	φ3.0~φ5.0 φ5.0~φ7.0 φ7.0~φ9.0													
	Wire Gauge	1.0-1.5mm² / 18-16AWG	1.0-1.5mm² / 18-16AWG	1.0-1.5mm² / 18-16AWG	0.34-0.5mm² /22-20AWG	0.34-0.5mm² /22-20AWG	0.34-0.5mm² /22-20AWG	0.34-0.5mm² /22-20AWG	—	—	—				
	Protection Level	Connection Status IP68													
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6	GEN1(5Gbps) GEN2(10Gbps)	—				
	Illustration	Material	Part No												
	Plug		Male	LP-16-C02PE-02-001	LP-16-C03PE-02-001	LP-16-C04PE-02-001	LP-16-C05PE-02-001	LP-16-C07PE-02-001	LP-16-C08PE-02-001	LP-16-C09PE-02-001	LP-16-C/RJ45/015/ PE-42-001	LP-16-TYPEC-MP-MP -1M-002	—		
			Female	LP-16-J02PE-02-001	LP-16-J03PE-02-001	LP-16-J04PE-02-001	LP-16-J05PE-02-001	LP-16-J07PE-02-001	LP-16-J08PE-02-001	LP-16-J09PE-02-001	—	—	—		
In-line receptacle		Male	LP-16-C02PP-02-001	LP-16-C03PP-02-001	LP-16-C04PP-02-001	LP-16-C05PP-02-001	LP-16-C07PP-02-001	LP-16-C08PP-02-001	LP-16-C09PP-02-001	—	—	—			
		Female	LP-16-J02PP-02-001	LP-16-J03PP-02-001	LP-16-J04PP-02-001	LP-16-J05PP-02-001	LP-16-J07PP-02-001	LP-16-J08PP-02-001	LP-16-J09PP-02-001	LP-16-J/RJ45/213/ PP-42-001	—	—			
Single hole straight receptacle	Plastic	Male	LP-16-C02SX-02-101	LP-16-C03SX-02-101	LP-16-C04SX-02-101	LP-16-C05SX-02-101	LP-16-C07SX-02-101	LP-16-C08SX-02-101	LP-16-C09SX-02-101	—	LP-16-J/TYPE C31/ 215/SX-42-101	—			
		Female	LP-16-J02SX-02-101	LP-16-J03SX-02-101	LP-16-J04SX-02-101	LP-16-J05SX-02-101	LP-16-J07SX-02-101	LP-16-J08SX-02-101	LP-16-J09SX-02-101	LP-16-J/RJ45/110/ SX-02-101	—	—			
		Male	—	—	—	—	—	—	—	—	—	—			
		Female	—	—	—	—	—	—	—	LP-16-J/RJ45/113/ SX-02-201	—	—			
Two-hole flange receptacle		Male	LP-16-C02SX-02-401	LP-16-C03SX-02-401	LP-16-C04SX-02-401	LP-16-C05SX-02-401	LP-16-C07SX-02-401	LP-16-C08SX-02-401	LP-16-C09SX-02-401	—	—	—			
		Female	LP-16-J02SX-02-401	LP-16-J03SX-02-401	LP-16-J04SX-02-401	LP-16-J05SX-02-401	LP-16-J07SX-02-401	LP-16-J08SX-02-401	LP-16-J09SX-02-401	LP-16-J/RJ45/113/ SX-02-201	LP-16-J/TYPE C31/ 215/SX-42-401	—			
Four-hole flange receptacle		Male	—	—	—	—	—	—	—	—	—	—			
		Female	—	—	—	—	—	—	—	—	—	—			

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Product Series		LP-16										LP-16										
		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN								
Pin Number																						
Contact Layout																						
Current Rating(A)		10		10		10		5		5		5		5		—	—	—				
Voltage Rating(V)		400		400		400		250		250		250		250		—	—	—				
Cable O.D(mm)		φ3.0~φ5.0		φ5.0~φ7.0		φ7.0~φ9.0		φ3.0~φ5.0		φ5.0~φ7.0		φ7.0~φ9.0				—	—	—				
Wire Gauge		1.0-1.5mm ² / 18-16AWG		1.0-1.5mm ² / 18-16AWG		1.0-1.5mm ² / 18-16AWG		0.34-0.5mm ² /22-20AWG		0.34-0.5mm ² /22-20AWG		0.34-0.5mm ² /22-20AWG		0.34-0.5mm ² /22-20AWG		—	—	—				
Protection Level		Connection Status IP68										Connection Status IP68										
Terminal Type		Soldering/Screwing		Soldering/Screwing		Soldering		Soldering		Soldering		Soldering		Soldering								
Illustration		Material		Part No														Part No				
Plug				Male		LP-16-C02PE-01-001		LP-16-C03PE-01-001		LP-16-C04PE-01-001		LP-16-C05PE-01-001		LP-16-C07PE-01-001		LP-16-C08PE-01-001		LP-16-C09PE-01-001		—	—	—
In-line receptacle		Metal + Plastic		Female		LP-16-J02PE-01-001		LP-16-J03PE-01-001		LP-16-J04PE-01-001		LP-16-J05PE-01-001		LP-16-J07PE-01-001		LP-16-J08PE-01-001		LP-16-J09PE-01-001		—	—	—
				Male		LP-16-C02PP-01-001		LP-16-C03PP-01-001		LP-16-C04PP-01-001		LP-16-C05PP-01-001		LP-16-C07PP-01-001		LP-16-C08PP-01-001		LP-16-C09PP-01-001		—	—	—
				Female		LP-16-J02PP-01-001		LP-16-J03PP-01-001		LP-16-J04PP-01-001		LP-16-J05PP-01-001		LP-16-J07PP-01-001		LP-16-J08PP-01-001		LP-16-J09PP-01-001		—	—	—
Single hole straight receptacle		Metal		Male		LP-16-C02SX-03-101		LP-16-C03SX-03-101		LP-16-C04SX-03-101		LP-16-C05SX-03-101		LP-16-C07SX-03-101		LP-16-C08SX-03-101		LP-16-C09SX-03-101		—	—	—
				Female		LP-16-J02SX-03-101		LP-16-J03SX-03-101		LP-16-J04SX-03-101		LP-16-J05SX-03-101		LP-16-J07SX-03-101		LP-16-J08SX-03-101		LP-16-J09SX-03-101		—	—	—
				Male		LP-16-C02SX-03-401		LP-16-C03SX-03-401		LP-16-C04SX-03-401		LP-16-C05SX-03-401		LP-16-C07SX-03-401		LP-16-C08SX-03-401		LP-16-C09SX-03-401		—	—	—
Four-hole flange receptacle		Metal		Female		LP-16-J02SX-03-401		LP-16-J03SX-03-401		LP-16-J04SX-03-401		LP-16-J05SX-03-401		LP-16-J07SX-03-401		LP-16-J08SX-03-401		LP-16-J09SX-03-401		—	—	—
				Male		LP-16-C02SX-03-401		LP-16-C03SX-03-401		LP-16-C04SX-03-401		LP-16-C05SX-03-401		LP-16-C07SX-03-401		LP-16-C08SX-03-401		LP-16-C09SX-03-401		—	—	—
				Female		LP-16-J02SX-03-401		LP-16-J03SX-03-401		LP-16-J04SX-03-401		LP-16-J05SX-03-401		LP-16-J07SX-03-401		LP-16-J08SX-03-401		LP-16-J09SX-03-401		—	—	—

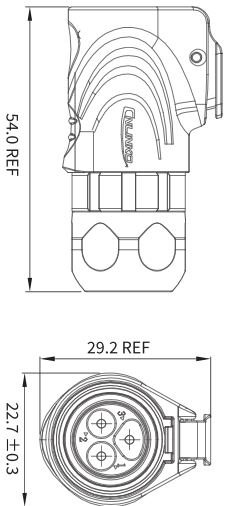
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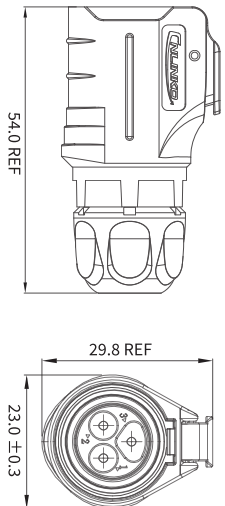
Product Series		LP-16										LP-16	
Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	—	—			
Contact Layout	 	 	 	 	 	 	 		—	—			
Current Rating(A)	10	10	10	5	5	5	5	1.5	—	—			
Voltage Rating(V)	400	400	400	250	250	250	250	125	—	—			
Cable O.D(mm)	φ3.0~φ5.0		φ5.0~φ7.0		φ7.0~φ9.0		φ3.0~φ5.0		φ5.0~φ7.0		φ7.0~φ9.0		
Wire Gauge	1.0-1.5mm² / 18-16AWG		1.0-1.5mm² / 18-16AWG		1.0-1.5mm² / 18-16AWG		0.34-0.5mm² /22-20AWG		0.34-0.5mm² /22-20AWG		—		
Protection Level	Connection Status IP68												
Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3-CAT.6					
Illustration	Part No												
Plug													
	Metal	Male	LP-16-C02PE-03-001	LP-16-C03PE-03-001	LP-16-C04PE-03-001	LP-16-C05PE-03-001	LP-16-C07PE-03-001	LP-16-C08PE-03-001	LP-16-C09PE-03-001	LP-16-C/RJ45/015/PE-43-001	—	—	
		Female	LP-16-J02PE-03-001	LP-16-J03PE-03-001	LP-16-J04PE-03-001	LP-16-J05PE-03-001	LP-16-J07PE-03-001	LP-16-J08PE-03-001	LP-16-J09PE-03-001	—	—	—	
	Metal + Plastic	Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP-16-C05PP-01-001	LP-16-C07PP-01-001	LP-16-C08PP-01-001	LP-16-C09PP-01-001	—	—	—	
		Female	LP-16-J02PP-01-001	LP-16-J03PP-01-001	LP-16-J04PP-01-001	LP-16-J05PP-01-001	LP-16-J07PP-01-001	LP-16-J08PP-01-001	LP-16-J09PP-01-001	—	—	—	
	Metal	Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP-16-C05SX-03-101	LP-16-C07SX-03-101	LP-16-C08SX-03-101	LP-16-C09SX-03-101	—	—	—	
		Female	LP-16-J02SX-03-101	LP-16-J03SX-03-101	LP-16-J04SX-03-101	LP-16-J05SX-03-101	LP-16-J07SX-03-101	LP-16-J08SX-03-101	LP-16-J09SX-03-101	—	—	—	
Male		LP-16-C02SX-03-401	LP-16-C03SX-03-401	LP-16-C04SX-03-401	LP-16-C05SX-03-401	LP-16-C07SX-03-401	LP-16-C08SX-03-401	LP-16-C09SX-03-401	—	—	—		
Female		LP-16-J02SX-03-401	LP-16-J03SX-03-401	LP-16-J04SX-03-401	LP-16-J05SX-03-401	LP-16-J07SX-03-401	LP-16-J08SX-03-401	LP-16-J09SX-03-401	LP-16-J/RJ45/210/SX-03-401	—	—		
													

LP-16 Dimension Drawing (unit: mm)

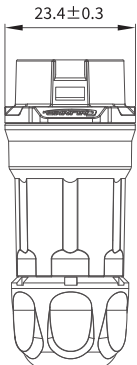
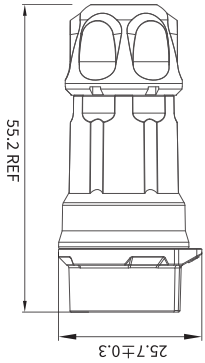
Metal Plug



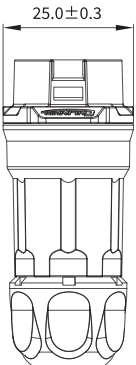
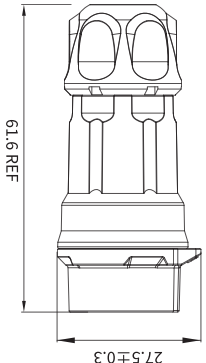
Plastic Plug



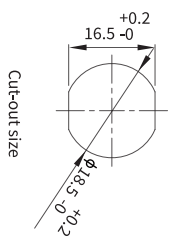
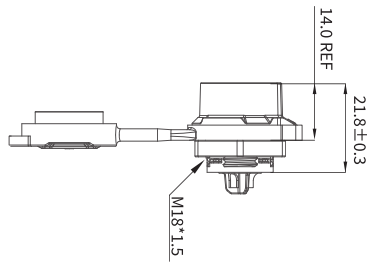
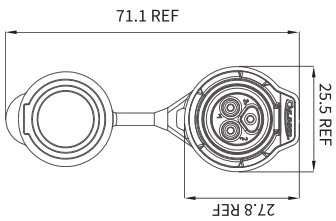
In-line receptacle



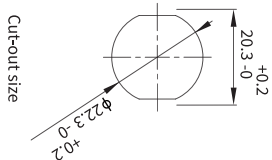
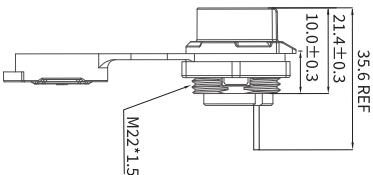
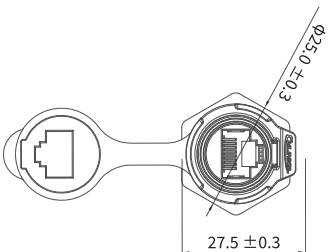
RJ45 In-line receptacle



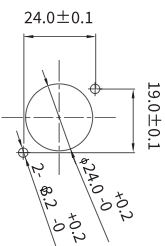
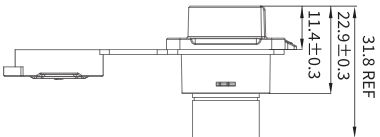
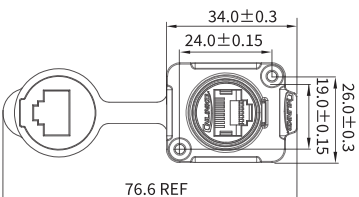
Single hole straight receptacle



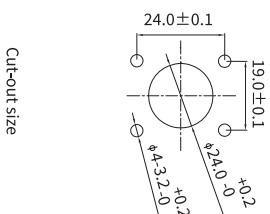
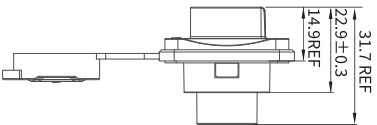
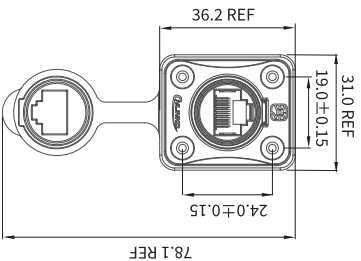
RJ45 Single hole straight receptacle



RJ45 Two-hole flange receptacle



RJ45 Four-hole flange receptacle



Four-hole flange receptacle

