Unit: ± 0.5 mm

MS-9004FM



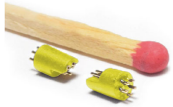
MS-90G4FM



MS-90B5FM



MS-90Y5FM



MS-90Y4FM



MS-90Y4FM-WIRE

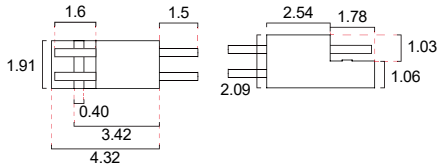


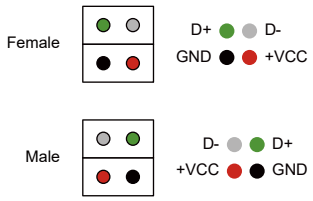
MS-90B5FM-WIRE



4 PIN CONNECTOR

MS-9004FM (Female & Male)

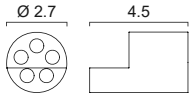


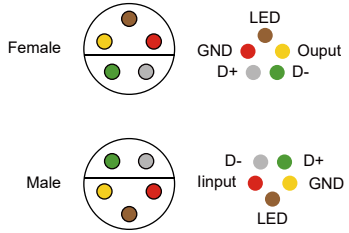


▲ 4 Pin Pin Define

5 PIN CONNECTOR

MS-90B5FM (Female & Male)





▲ 5 Pin Pin Define

Unit: ± 0.5 mm

MS-9013FM



MS-90B13FM



MS-9013FM-WIRE



MS-9015FM



MS-90B15FM

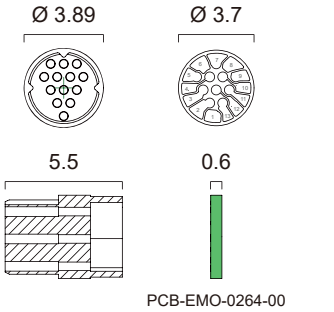


MS-9015FM-WIRE

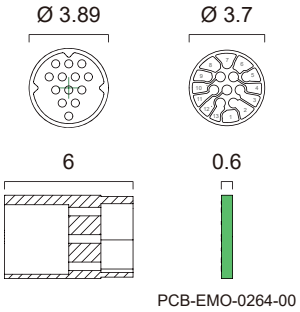


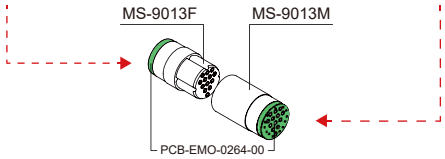
13 PIN CONNECTOR

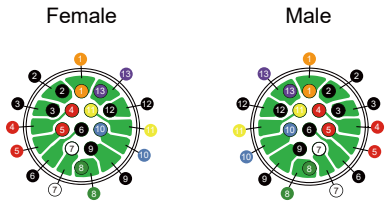
MS-9013F (Female)



MS-9013M (Male)





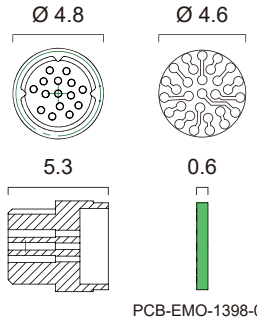


▲ 13 Pin Pin Define

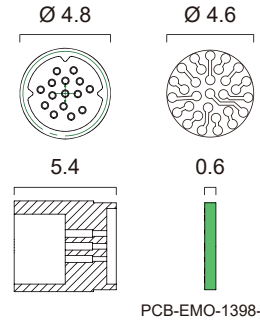
1. TX+/TXP
2. GND
3. GND
4. VBUS
5. VBUS
6. GND
7. D-/DM
8. D+/DP
9. GND
10. RX-/RXN
11. RX+/RXP
12. GND
13. TX-/TXN

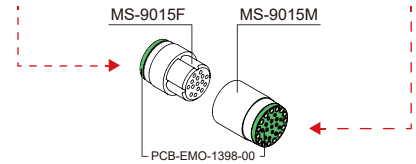
15 PIN CONNECTOR

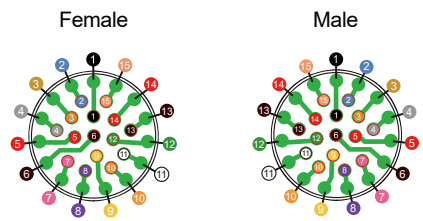
MS-9015F (Female)



MS-9015M (Male)







▲ 15 Pin Pin Define

1. MCLK
2. P2V8
3. MCP
4. MCN
5. RESET
6. P1V8
7. SDA
8. SCL
9. MDNO
10. MDPO
11. MDN1
12. MDP1
13. P1V2
14. LED+
15. GND

Unit: ± 0.5 mm

MS-9054FM



MS-9084FM



MS-9075FM



MS-9085FM



MS-9154FM-WIRE



MS-9184FM-WIRE



MS-9175F-WIRE



MS-9185FM-WIRE

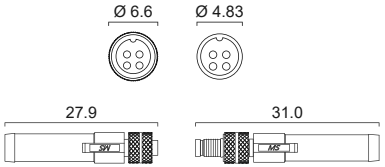


MS-9254FM-WIRE

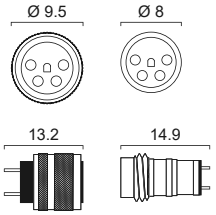


4 PIN CONNECTOR

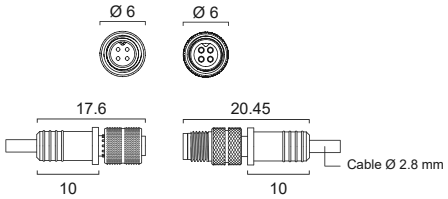
MS-9154FM (Female & Male)



MS-9084FM (Female & Male)

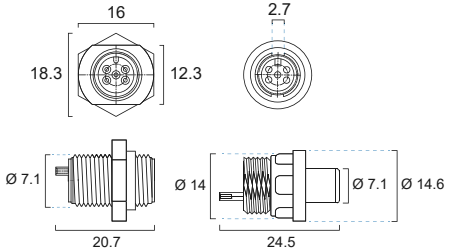


MS-9254FM-WIRE (Female & Male)

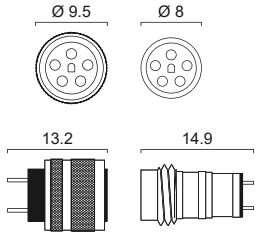


5 PIN CONNECTOR

MS-9075FM (Male & Female)



MS-9085FM (Male & Female)



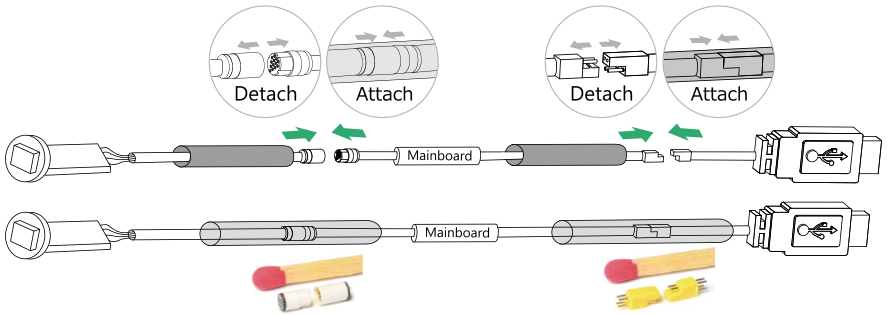
Unit: ± 0.5 mm

APPLICATION

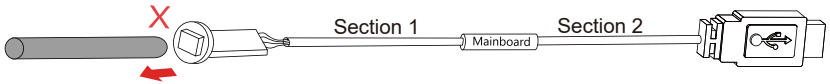
Detachable Nano Connectors *(Customize Option)*

Specifically designed to overcome the big size of connector and camera head.

With detachable Nano connectors,
a tube can go through the thin cable from halfway.



Without detachable Nano connectors,
camera head cannot go through the tube.



★ Each segment can be modified by customer request.

MS-9015F-WIRE

SERIES	CONNECTOR			END TYPE	DISPLAY
MS Accessory		Nano 4 Pin	Dimensions	All Pin	
	9004	Orange	2.09 x 1.91 x 4.32	F Female	N/A No wires
	90Y4	Yellow		M Male	WIRE 15 cm wires
		Nano 5 Pin		FM Female + Male	
	9005	White	2.7 x 17.2		
	90B5	Black			
		Nano 13 Pin			
	9013	White	Ø 3.89 x 9.5		
	90B13	Black			
		Nano 15 Pin			
	9015	White	Ø 4.8 x 9.5		
	90B15	Black			
		5 Pin			
	9075	Black	18.3 x 38.8 (L)		
	9175				
		M8 4 Pin			
	9084	Self	Ø 9.5 x 27 (L)		
	9184	Black			
		M8 5 Pin			
	9085	Self	Ø 9.5 x 27 (L)		
	9185	Black			
		M5 4 Pin			
	9054	Self	Ø 6.6		
	9154	Black			
	9254	Black	Ø 6		

Insulator
Thermoplastic per ROHS 2011/65/EU Annex II, (EU) 2015/863.

Contact material
Pins - beryllium copper per astm b194, alloy c17200 socket-copper alloy permil-dtl-32139.

Contact Finish
Gold Plate Per Astm B488, Type I (99.7% Gold minimum) Hard Gold.