

CM01 Series

Small sized circular Connectors for sensors



Various kinds of sensors(Optical,Photoelectric, Proximity),found on conveyors, automated welding machines, pick-and-place robot and material handling equipment.

CM01 series is small sized connectors with resistance to moisture, oil and dust..

FEATURE

- Moisture proof type design : Class IP67
- UL94V-0 insulator flammability rating
- Small size,compact design : 14mm dia. max.
- Over mold style cable assembly : plug to plug,plug to jack and single ended
- Solder cup and PCB type for receptacle
- Conforming to NECA 4202(Nippon Electric Control Equipment Industry Association)

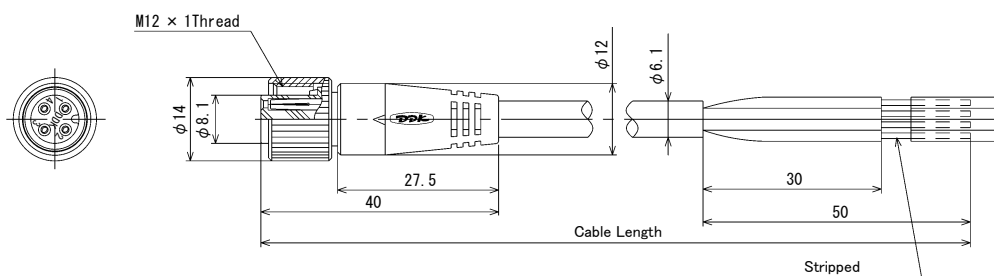
MATERIAL/FINISH

Insulator	PBT resin (UL94V-0)/Gray
Contact	Copper alloy/Gold plating
Coupling ring	Zinc/Nickel plating
Over molding resin	PVC (UL94V-0)/Gray
Shell	Copper alloy/Nickel plating

Specification

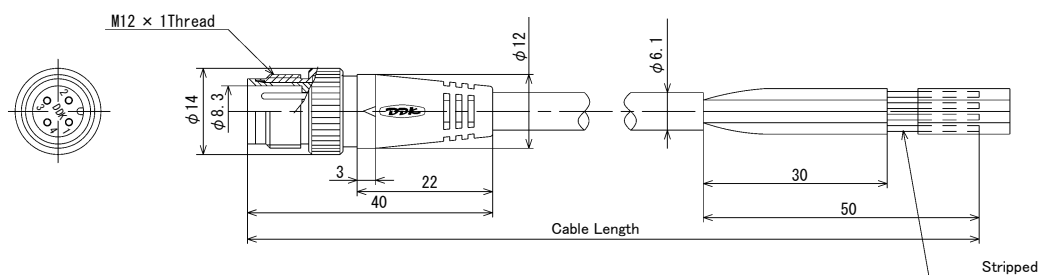
Voltage rating	125V DC
Current rating	3A / contact
Contact resistance	5mΩ max.
Insulation resistance	100mΩ min.
Dielectric withstanding voltage	1500V AC, 1minute
No.of contact	4
Applicable cable	AWG #20
Cable assembly	Insulator : heat and oil proof materi
Cable outer diameter	φ 6.1mm
Standard wiring	1-Gray,2-White,3-Blue,4-Black
Temperature cycle	-40°C to +100°C, 5cycles
Operating temperature	-25°C to +70°C

Single Ended – Straight Plug



Part Number	Cablelength
CM01-8DP4S 550A(01)	550
CM01-8DP4S1050A(01)	1050
CM01-8DP4S2200A(01)	2200
CM01-8DP4S3050A(01)	3050
CM01-8DP4S5050A(01)	5050
CM01-8DP4S010KA(01)	10000

Single Ended – Straight Jack

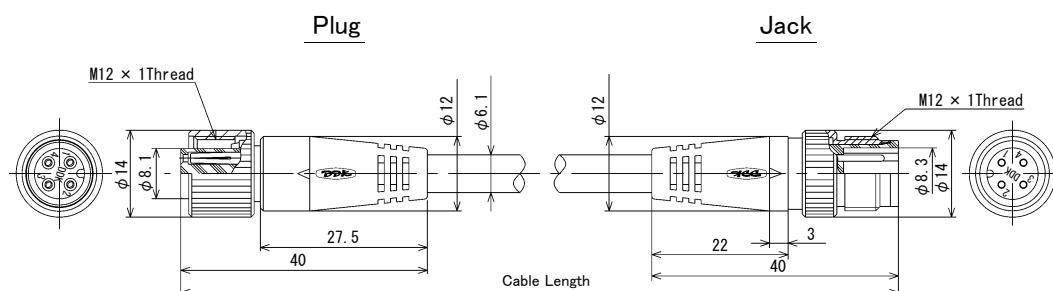


Part Number	Cablelength
CM01-8DJ4P 550A(01)	550
CM01-8DJ4P1050A(01)	1050
CM01-8DJ4P2200A(01)	2200
CM01-8DJ4P3050A(01)	3050
CM01-8DJ4P5050A(01)	5050

CM01 Series

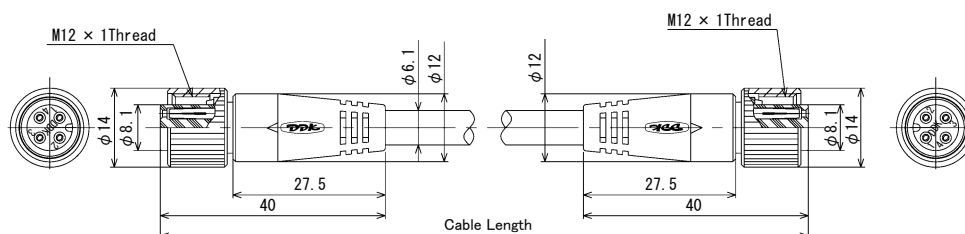
Unit : mm

Double Ended – Straight Plug to Jack



Part Number	Cablelength
CM01-8DP4S1000A(01)	1000
CM01-8DP4S2000A(01)	2000
CM01-8DP4S3000A(01)	3000
CM01-8DP4S5000A(01)	5000

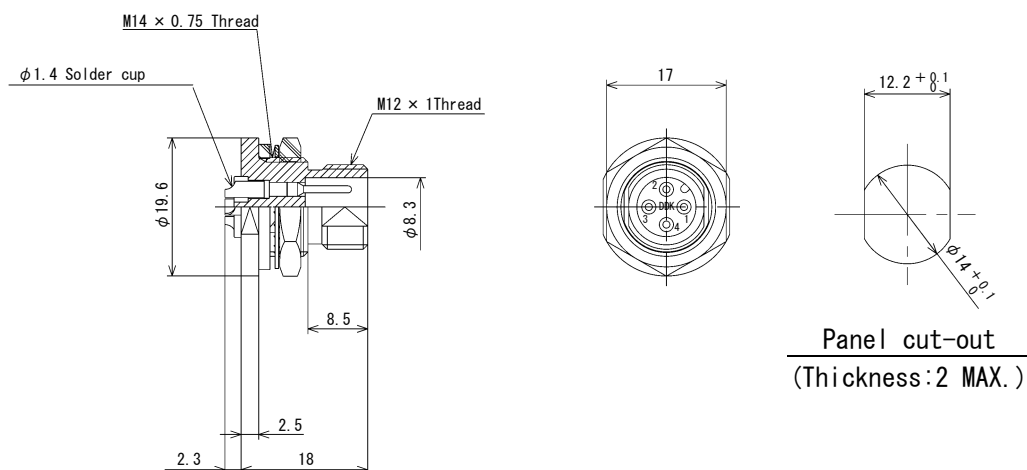
Double Ended – Straight Plug to Plug



Part Number	Cablelength
CM01-8DP4S1000A(01)	1000
CM01-8DP4S2000A(01)	2000
CM01-8DP4S3000A(01)	3000
CM01-8DP4S5000A(01)	5000

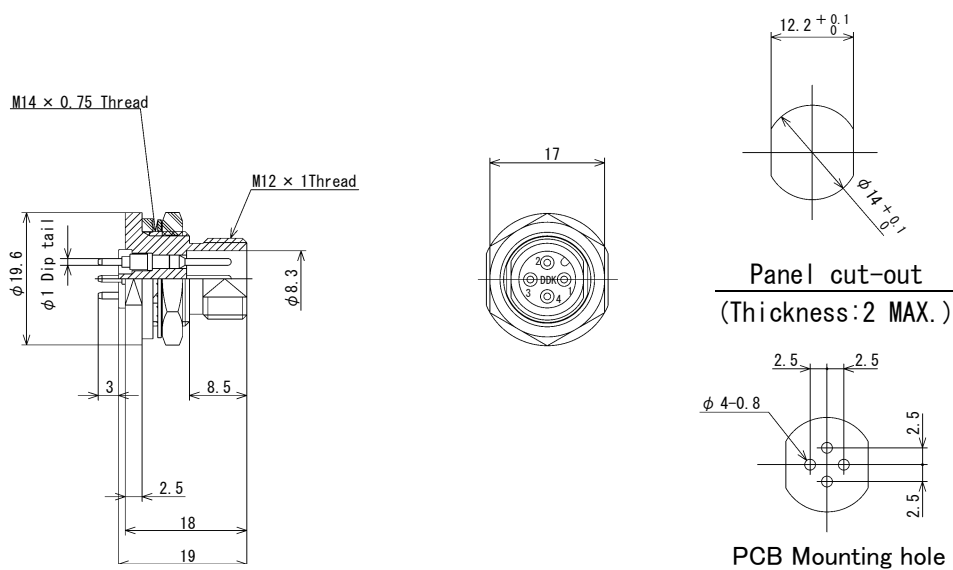
■ Receptacle : Solder Cup Type

CM01-8DRA-4P (01)



■ Receptacle : Straight PCB Type

CM01-8DRA-4PD (01)

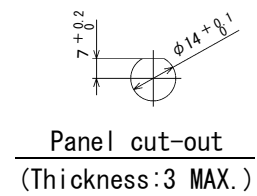
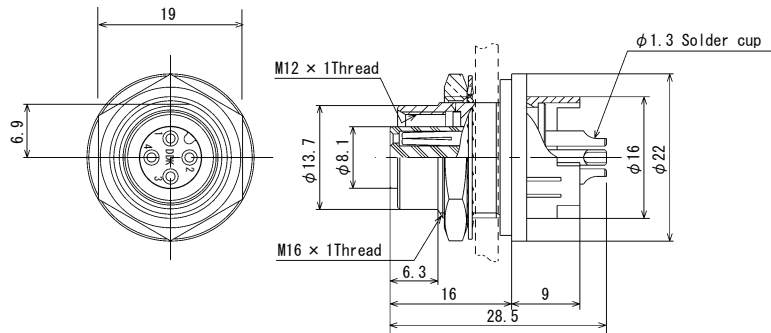


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Unit : mm

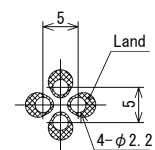
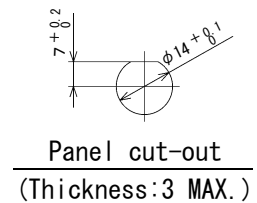
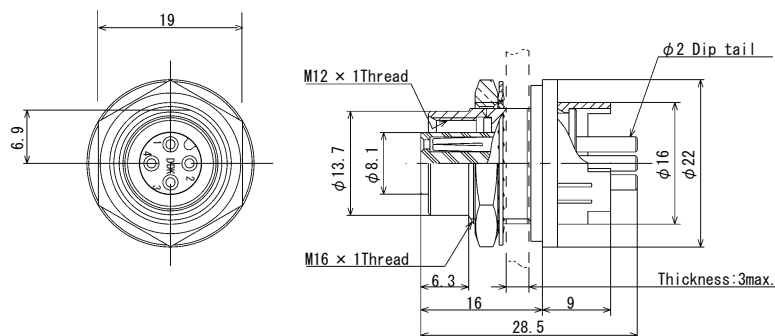
■ Plug Receptacle : Solder Cup Type

CM01-8DPRA-4S (01)



■ Plug Receptacle : Straight PCB Type

CM01-8DPRA-4SD (01)



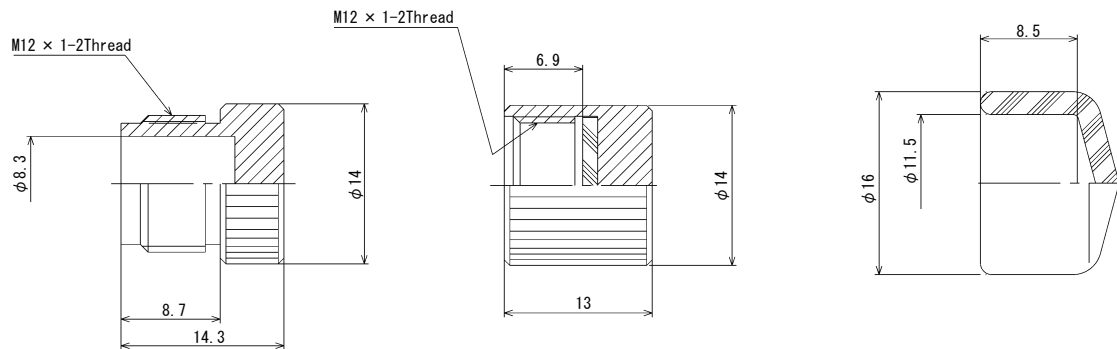
PCB Mounting hole

■ Plug Cap (Metal) ■ Receptacle Cap (Metal) ■ Receptacle Cap (PVP)

CM01-P-CAP

CM01-R-CAP

CM01-CAP



Connection

