CJ10 series rectangle electrical connector

This family of connector is designed as anti-misplug, EMI shielding springtac contact. Material is aluminium-alloy and composite. Style between contact and wire is solder.

Part number

Single

CJ10	Z	38	H	3	J	D_1
Basic series						
Type of connector Z = Receptacle with socket T = Plug with pin						
Contact number 6~67						
Type of termination H = Solder						
Back shell 1, 3 = Without back shell 4 = With back shell						
Finish of contact J = Gold plating Omit = Silver plating						
Finish of shell D_1 = Nickel electroless plating Omit = Chemical oxidation						

Double

CJ10	Z	38/	38	H	3	J	D_1
Basic series							
Type of connector Z = Receptacle with socket T = Plug with pin							
Contact number of left 06~67							
Contact number of right 06~67							
Type of termination H = Solder							
Back shell 1, 3 = Without back shell 4 = With back shell							
Finish of contact J = Gold plating Omit = Silver plating							
Finish of shell D_1 = Nickel electroless plating Omit = Chemical oxidation							

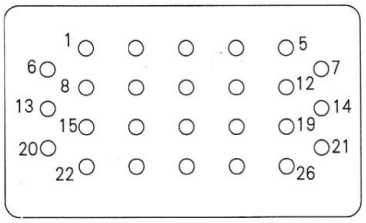
Performance specifications

Working temperature: -55 ^{o}C ~ +100 ^{o}C
Vibration: 10 ~ 2000 Hz; acceleration, 15g
Mechanical shock: one time, 5000 m/s^2; repeatedly: 1500 m/s^2
Endurance: ≥ 500 cycles

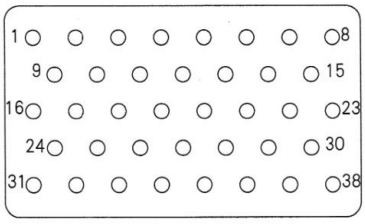
Electrical performance

Contact resistance:
Low frequency, Φ1.0 ≤ 0.005 Ω, Φ1.5 ≤ 0.0025 Ω
High frequency, Φ0.6 ≤ 0.01 Ω, shell to shell ≤ 0.001 Ω
Insulation resistance: ≥ 1000 MΩ
Working current: Φ1.0 = 4A, Φ1.5= 8A
Withstanding voltage: sea level = l500V, 15240 m = 1000 V

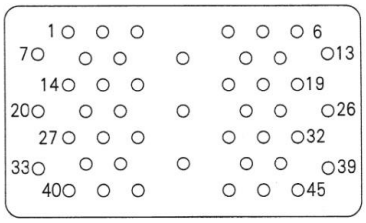
Contact layout



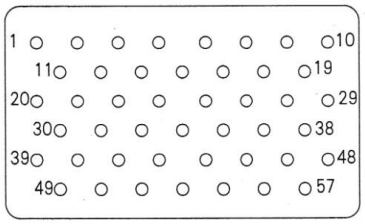
26 - Φ1.5



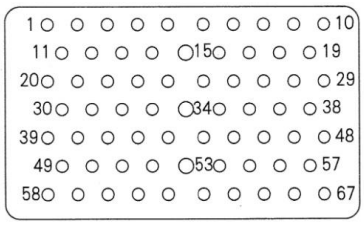
38 - Φ1.5



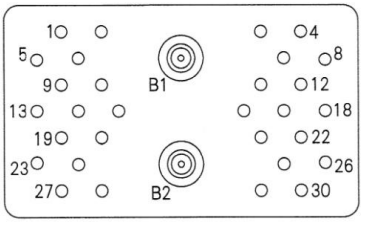
45 - Φ1.0



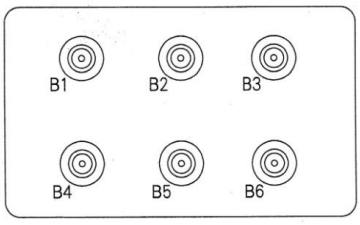
57 - Φ1.0



64 - Φ1.0 3 - Φ1.5



30 - Φ1.0 2 - Φ0.6(coaxial)

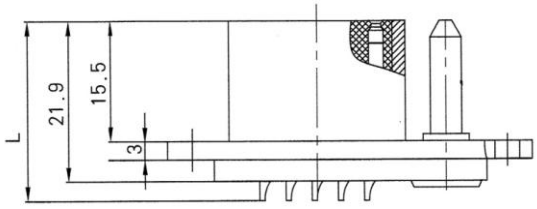


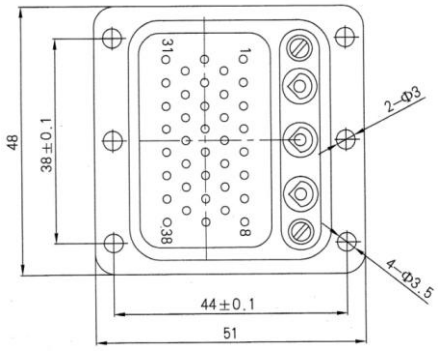
6 - Φ0.6(coaxial)

Shell size

Single

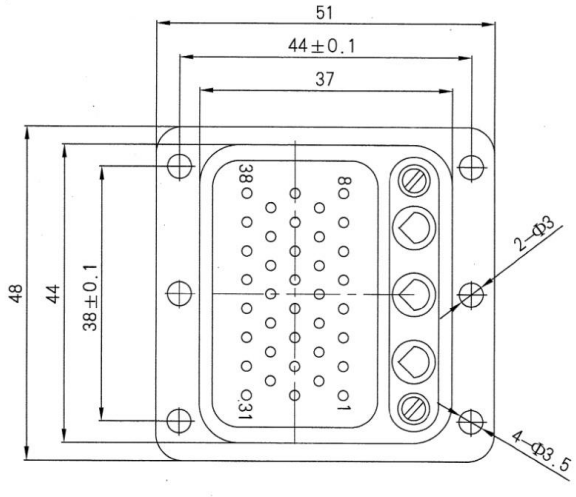
Receptacle

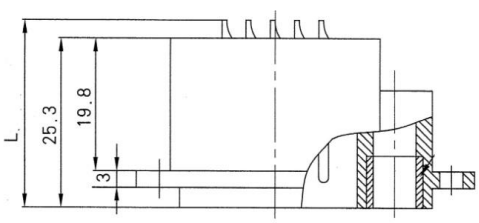




Contact	L
1, 2, 3, 4, 5	24
6, 7	34

Plug

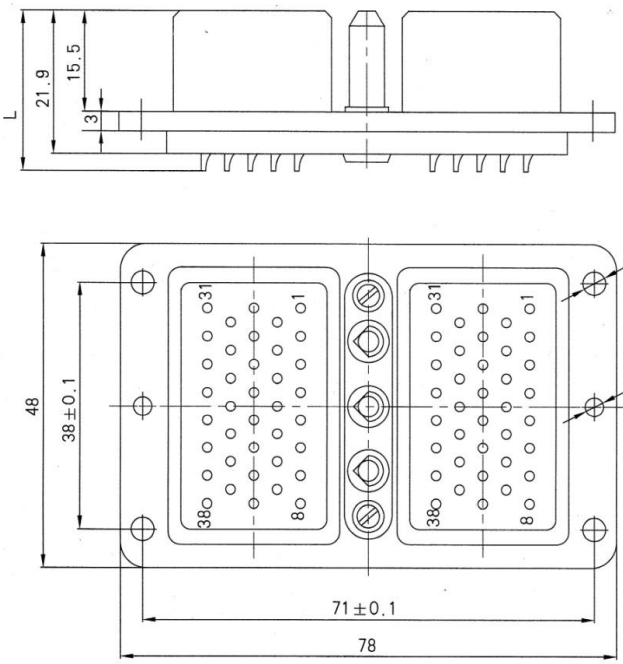




Contact	L
1, 2, 3, 4, 5	28
6, 7	38

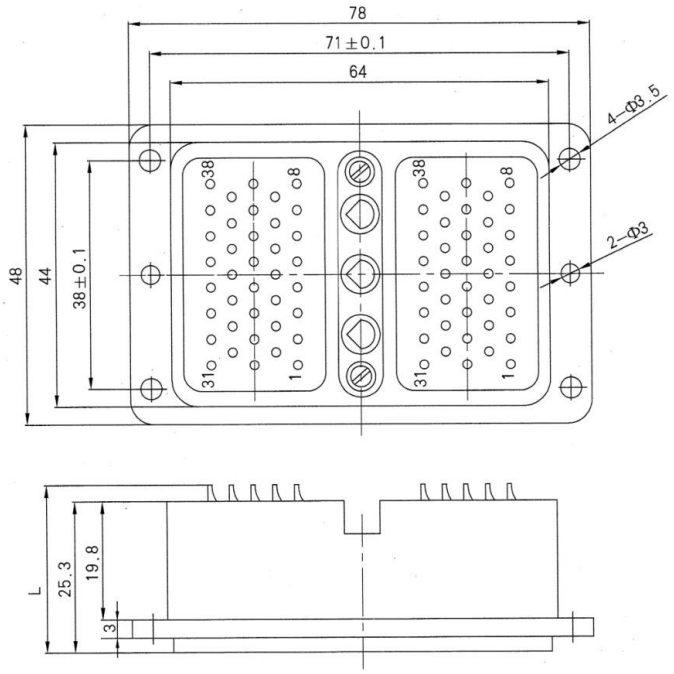
Double joint

Receptacle



Contact	L
1, 2, 3, 4, 5	24
6, 7	34

Plug



Contact	L
1, 2, 3, 4, 5	28
6, 7	38