

NO.: 043-00438505

Version: A

CZ80-2Z-63A

Technical Specification

Material Name: _____ Socket _____

Specification: _____ CZ80-2Z-63A _____

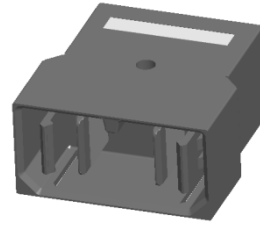
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.

2023.06

Revision Record

Data	Chapter	Version	Note
2023.6.20	/	A	Create document

CZ80-2Z-63A Technical Specification



●Material Name: Socket

●Specification: CZ80-2Z-63A

■Electrical Characteristics

A、Contact Resistance	$\leq 5\text{ m}\Omega$
B、Rated Current	63A
C、Rated Voltage	85V DC
D、Dielectric Withstanding Voltage	1200V leakage current: $\leq 5\text{mA}$
E、Insulation Resistance	$\geq 5000\text{ M}\Omega$

■Mechanical Properties

A、Total mating force	$\leq 55\text{N}$
B、Total unmating force	10~45N
C、Contact Holding Force	4~15N
D、Durability	200 times
E、Cable	/

■Materials and Surface Treatment

a) Metal Materials, Processes, Surface Treatment

Metal materials:	Copper Alloy: T2
Processes:	pressing
Surface Treatment	the bottom of cladding material: $\text{Ni} \geq 1.27\mu\text{m}$ tinning locally , the contact area: gold-plated $0.3\mu\text{m}$

b) Plastic materials, Processes, Forming

Plastic materials and Color	Thermoplastic PBT (gray) PA6/6T (black insulator)
Processes:	Injection
Fire-protection rating	UL94 V-0

■Production technology

Weldability	$\text{Sn} \geq 90\%$
Resistance to welding heat	265°C , 10s
Production process (recommended)	Wave welding
Steel thickness	/

■Work Environment

A、Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
B、Humidity	40°C , $95 \pm 3\%$
C、Shock、Vibration	10~500~10Hz, acceleration = 10m/s^2
D、Corrosive gas environment	48h Neutral salt (Only directed against contact area of gold-plated)

■Contact

A、Pin length	/
B、Pin section	/
C、Relative contact area	/

●Specification introduction:

■Basic introduction

The socket has the function of blind insertion and error prevention, easy operation, stable connection, shock resistance. The pin and the printed board are welded, and the number of contact parts is 2

■Lead-free manufacture: satisfy RoHS

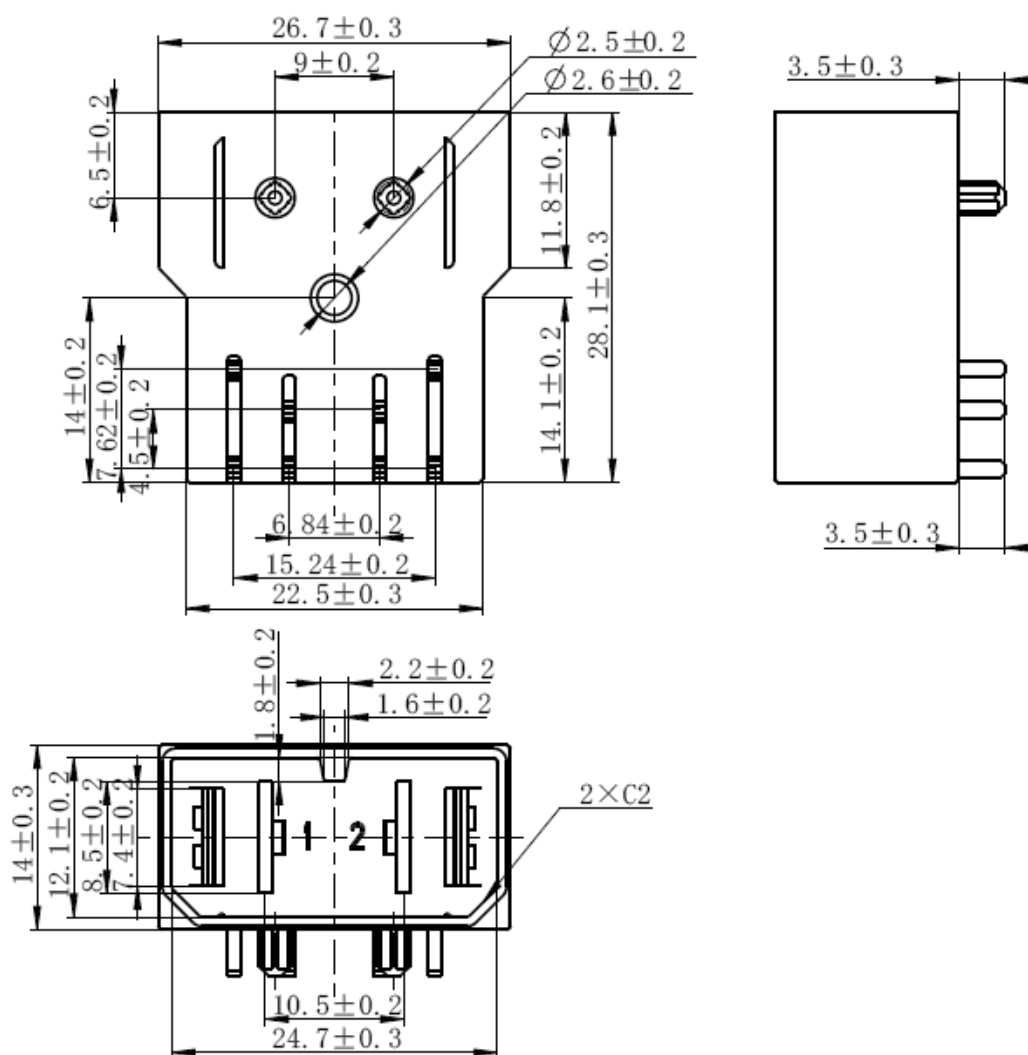
■Package storage

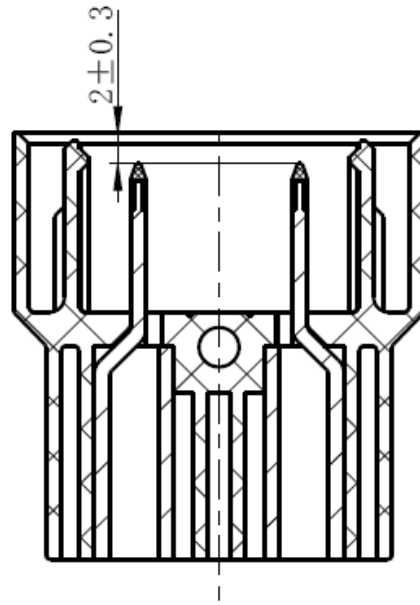
Packaged products should be stored in a warehouse with an ambient temperature of -10℃ to 40℃, relative humidity below 80%, and no acidic, alkaline or other corrosive gases in the surrounding air.

■Recommended assemble and insertion:

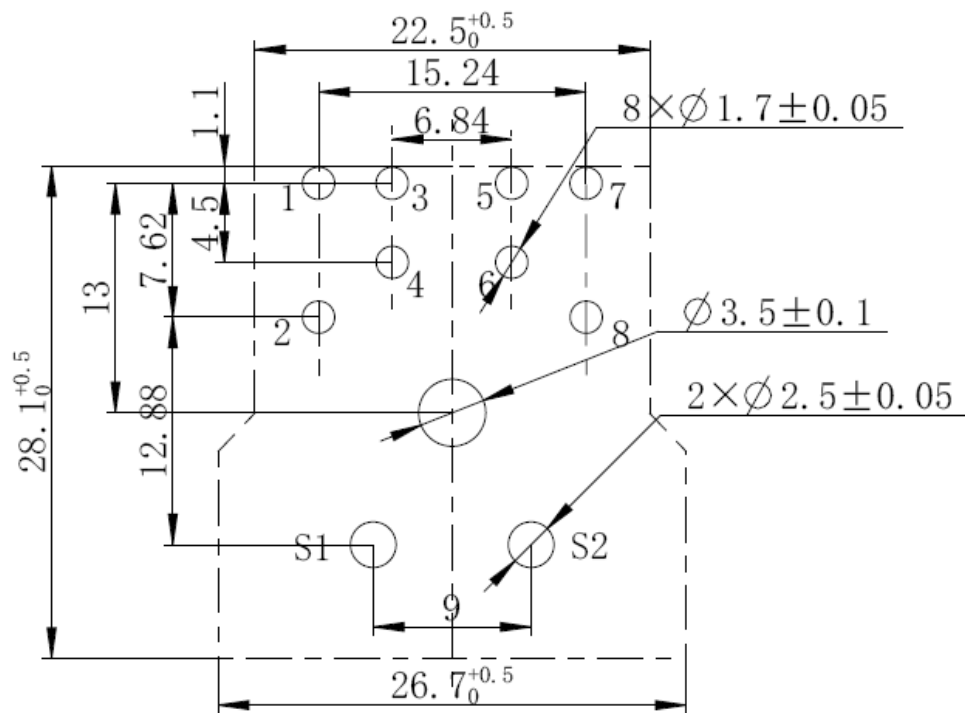
PCB welding. The welding should be firm, and no virtual welding and missing welding. Push-pull connection with CZ80-2AT-63A.

■Shape Drawing





■Recommended panel hole size



Recommended panel hole size: PCB panel thickness: 2~3mm, general tolerance: ± 0.05 mm