High-Precision Electroplated Metal Components for ATMs – Durable, Corrosion-Resistant, and Customizable

Our Product Introduction

Basic Information

- Minimum Order Quantity: 1000
- Price: $ +1~10+Pcs
- Delivery Time: 15-20
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 3000+pcs+Month

Product Specification

- Material: SPCC-SD
- Rivet Material: SUM22D
- Specifications: W98*T1.0
- Tolerance Range: +0/-0.2
- Surface Treatment: Electroplating Chemical Nickel Deposition
- Working Procedure: Cutting Forming Tapping Electroplating Riveting Full Inspection Packaging

More Images

Our Product Introduction

for more products please visit us on metalstamp-parts.com

Product Description

ATM Electroplated Metal Components Product Description

This product is a **high-precision electroplated metal component** designed specifically for ATMs and self-service terminals. It is widely used in **keypads, cash transport rails, cabinet locks, power contact plates, outer shell supports, and other critical parts**. Made from high-quality stainless steel, aluminum alloy, or copper alloy, it undergoes precision machining and advanced electroplating processes to enhance its **corrosion resistance, wear resistance, conductivity, and aesthetics**, ensuring long-term stable operation of ATMs and adaptability to different environments.

Product Features

1. Superior Corrosion Resistance for Various Environments

Electroplating with **nickel, chrome, zinc, or gold** prevents parts from rusting or deteriorating due to **moisture, oxidation, or acid-base corrosion**.

Suitable for **outdoor ATMs, coastal areas, and high-humidity environments**, ensuring reliable operation over time.

2. Excellent Wear Resistance for Extended Service Life

ATM keypads and moving parts experience heavy wear over time; our **hardened electroplated coating** increases surface hardness and reduces frictional wear.

Designed for **high-frequency use**, extending ATM lifespan and lowering maintenance costs.

3. Precision Manufacturing for High-Accuracy Assembly

Manufactured using **CNC machining, stamping, and laser cutting** ensuring **high dimensional accuracy and strict tolerance control** to meet the demanding requirements of ATM assembly.

Precision control up to **±0.01mm**, ensuring smooth and reliable ATM operation.

4. Excellent Conductivity for Enhanced Electrical Performance

Power contact plates, electromagnetic locks, and card reader components use **gold or silver plating** to minimize contact resistance and improve conductivity.

Ensures **stable power transmission** even in extreme conditions such as **high humidity, high temperature, or freezing environments**.

5. Aesthetic and Durable Design for Enhanced ATM Appearance

Electroplated components such as **keypads, cash outlets, and outer panels** have a smooth, premium metal finish.

Coated with **anti-fingerprint, anti-scratch, and anti-stain layers**, maintaining a clean and professional ATM appearance.

Technical Specifications

Item	Specification
Material	Stainless Steel (SUS304, SUS316), Aluminum Alloy (6061, 7075), Brass, Copper Alloy
Surface Treatment	Nickel Plating, Chrome Plating, Zinc Plating, Gold Plating, Silver Plating, Anodizing
Thickness Tolerance	±0.01mm
Surface Hardness	HV500-1200 (depending on electroplating process)
Corrosion Resistance	Passes **72-hour salt spray test**
Electrical Conductivity	Contact resistance ≤0.5Ω (gold/silver-plated components)
Operating Temperature	-40°C to 80°C
Environmental Suitability	Indoor/Outdoor, Humid, High/Low Temperature Conditions

Applications

Shenzhen Dongfeng Shengshi Hardware products Co., LTD

18682375931 905004489@qq.com metalstamp-parts.com

Building 3, No.8 Zhenxing Road, Loucun Community, Xinhu Street, Guangming District, Shenzhen