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Rev. 4

Primary Services:

Methods: Rack, Barrel and Vibratory Applications.

Precious Metals: Gold, Silver, Rhodium and Palladium-Nickel

Plating Type	Available Finishes	Specifications	Plating Benefits
Gold	❖ Bright ❖ Matte	❖ AMS-2422 ❖ ASTM-B-488 ❖ MIL-DTL-45204 ❖ MIL-G-45204	❖ Corrosion Resistance ❖ Tarnish Resistance ❖ Low Contact Resistance ❖ High Solderability
Silver	❖ Bright ❖ Matte ❖ Semi-Bright	❖ AMS-2410 ❖ AMS-2412 ❖ ASTM-B-700 ❖ QQ-S-365	❖ Corrosion Resistance ❖ Low Contact Resistance ❖ High Solderability ❖ Bonds Well
Nickel	❖ Black ❖ Bright ❖ Dull ❖ Semi-Bright	❖ AMS-2403 ❖ AMS-2424 ❖ MIL-P-27418 (Sulfamate) ❖ QQ-N-290 (Electrolytic) ❖ ASTM-B-733	❖ Improve Reflectivity ❖ Reduce Porosity ❖ Improve Corrosion Resistance (both finishes) ❖ Diffusion Barrier Ductility ❖ Solder Readily
Electroless Nickel	❖ Mid Phos ❖ High Phos	❖ AMS-C-26074 ❖ MIL-C-26074 ❖ AMS-2404 ❖ AMS-2405	❖ Corrosion Resistant ❖ Wear Resistant ❖ Uniform Deposit ❖ Tight Dimensional Control
Tin	❖ Dull ❖ Bright	❖ AMS-2408 ❖ ASTM-B-339 ❖ ATM-B-545 ❖ MIL-T-10727 ❖ MIL-T-81955	❖ Ductile ❖ Corrosion Resistance ❖ Low Contact Resistance ❖ High Solderability
Tin-Lead	❖ 60/40 Bright* ❖ 60/40 Matte** ❖ 90/10 Bright* ❖ 90/10 Matte**	❖ ASTM-B-545 ❖ ASTM-B-579 ❖ AMS-P-81728 ❖ MIL-T-10727 ❖ MIL-P-81728 ❖ MIL-DTL-14072	❖ Prevents Whisker Growth ❖ Joining Metals ❖ Strong Reliable Bond ❖ High Solderability ❖ Contact & Corrosion Resistance
Rhodium	❖ Bright	❖ MIL-R-46085 ❖ ASTM-B-634	❖ Corrosion Protection ❖ Highly Reflective ❖ High Solderability

Plating Type	Available Finishes	Specifications	Plating Benefits
Palladium-Nickel	❖ Bright ❖ Semi-Bright	❖ ASTM-B-867	❖ Corrosion Resistance ❖ Low Porosity ❖ Low Contact Resistance ❖ High Solderability
Copper	❖ Bright ❖ Matte	❖ MIL-C-14550 ❖ AMS-2418 ❖ ASTM-B-734	❖ Corrosion Resistance ❖ Diffusion Barrier ❖ Carburizing ❖ High Solderability ❖ Heat Treatment Stop
Passivation	❖ Nitric 1 thru 5 ❖ Citric 1 thru 5	❖ ASTM-A-967	❖ Copper Sulfate test only.
Passivation	❖ Method 1 o Type 1 thru 8 ❖ Method 2 o Citric	❖ AMS-2700	❖ Copper Sulfate test only
Passivation	❖ Type I thru VII	❖ QQ-P-35	❖ Copper Sulfate test only

Secondary Services:

- ❖ Blasting: Aluminum Oxide & Glass Bead
- ❖ Descaling
- ❖ Embrittlement Relief (per spec)
- ❖ Masking per Customer Requirements

Additional Plating information can be found on our website: www.elecprec.com