



420 East Alton Avenue,
 Santa Ana, California 92707
 Toll Free: (800) 905-7161
 Phone: (714) 549-0336
 Fax: (714) 549-4028
 www.calmont.com

COMPARISON OF CONDUCTOR COATINGS

Characteristic	Tin Plate	Silver Plate	Nickel Plate
Life Stability	Conductivity and solderability deteriorate with heat aging at rated temperature due to migration of tin and copper and tin oxidation.	Excellent – no loss of conductivity with heat aging at rated temperature. Solderability shelf-life remains good.	Conductivity remains stable with heat aging at rated temperature.
Crimp Terminability	Good – but contact resistance increases with time and can be variable.	Excellent - contact resistance remains low.	Good – but contact resistance may vary with time. Use plated steel terminal in some cases.
Solder	Good originally. Deteriorates with shelf life.	Excellent.	Requires active flux.
Service Temperature	150°C	200°C	250°C