



# Examples of Parts Made by Photochemical Machining

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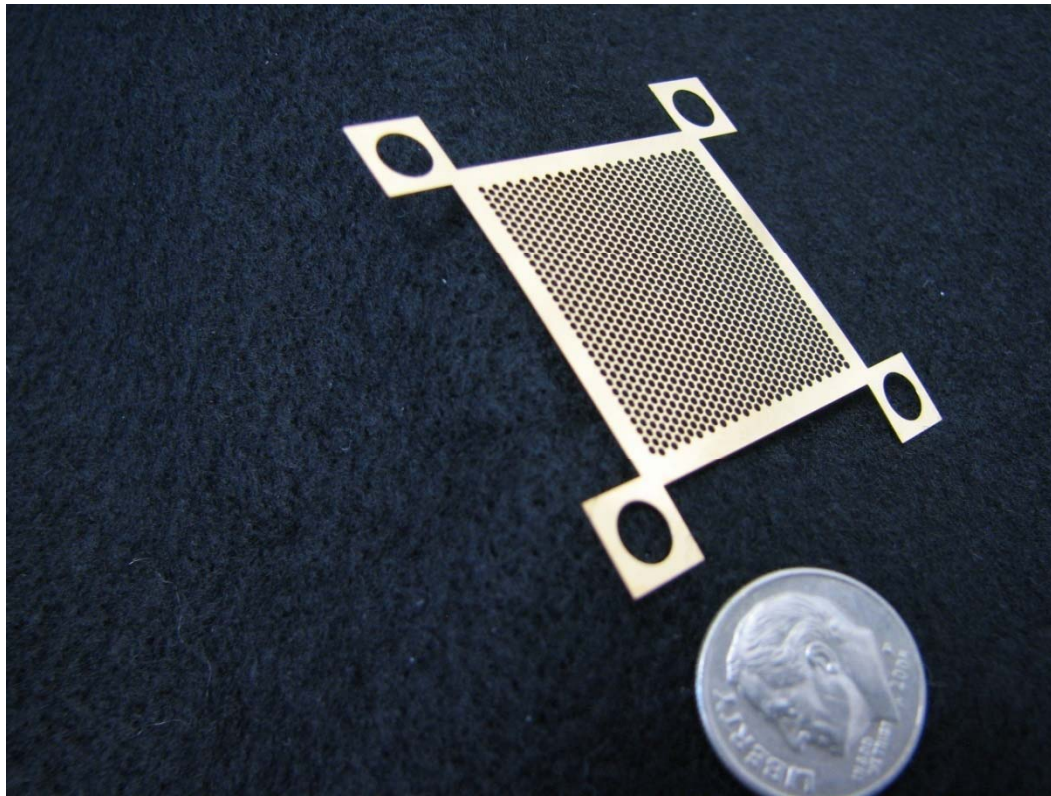
850 Flynn Road, Camarillo,

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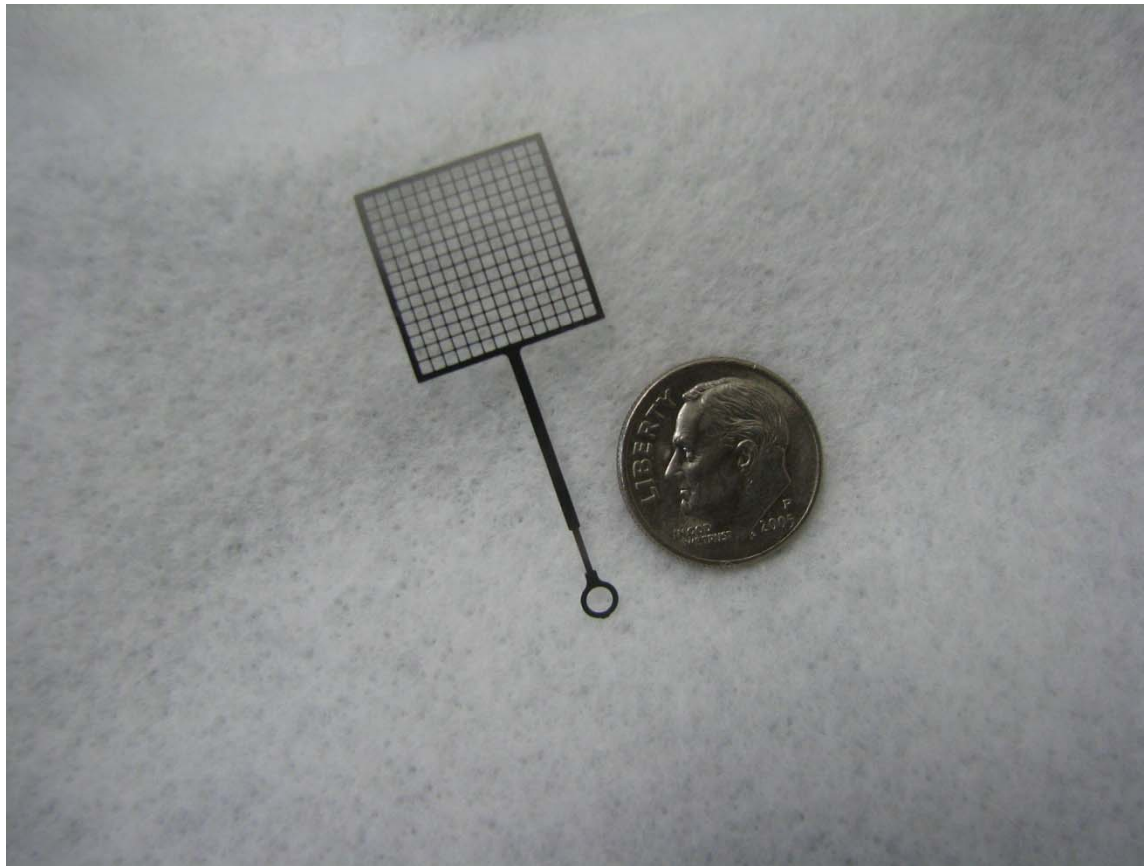
A 300 series stainless steel part made of 0.003 in. thick material formed to customer specifications. Point of interest for this part is the fairly complex forming that can be achieved with a relatively inexpensive nonrecurring engineering charge compared to having the part stamped.



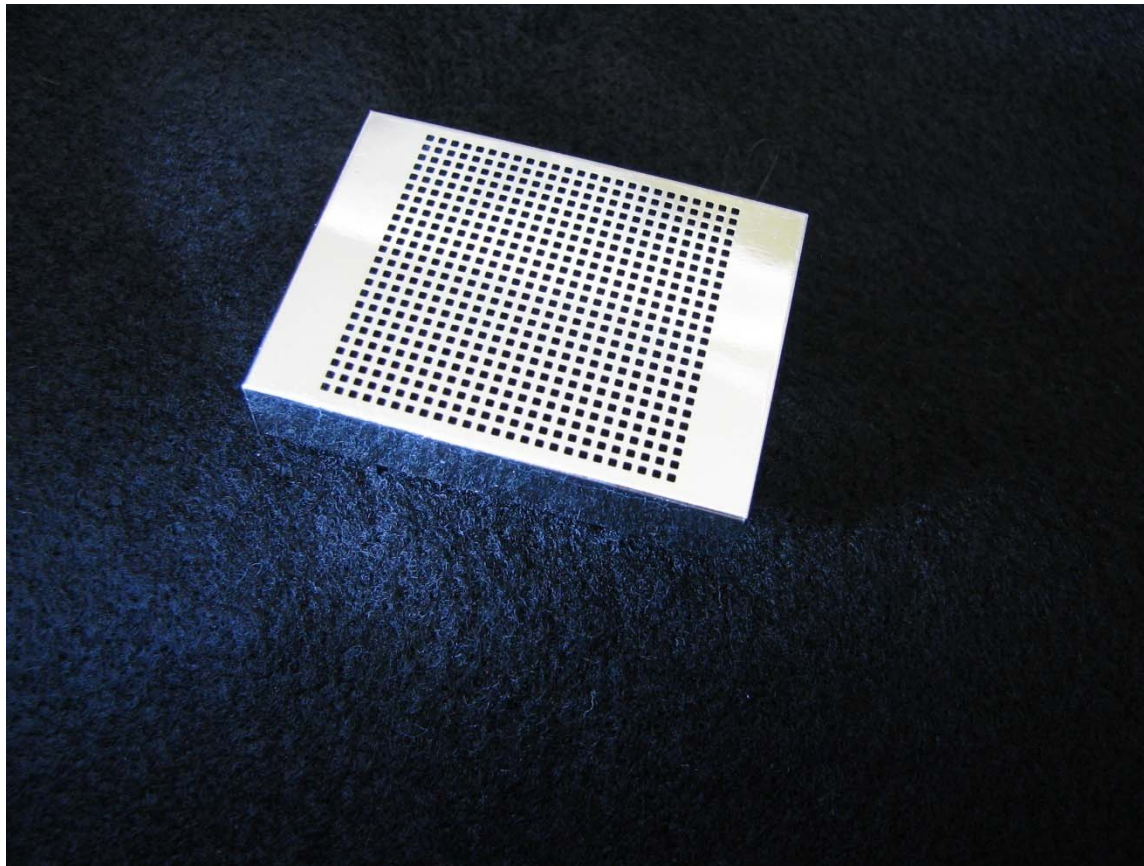
A beryllium copper part made of 0.005 inch thick alloy 172. The part has 0.015 in. diameter holes with 0.004 in. wide remaining material between holes. The part is gold plated. Point of interest for this part is the very thin remaining material between the holes and the ability to have it plated without damaging the part.



An RFI screen made of 0.003 inch stainless steel AISI 304.  
Point of interest is 0.005 in. wide webbing throughout the part.



An RFI shield made of 0.010 alloy 260 brass. The part is formed and is plated with reflowed tin. Point of interest is the simple form and ability to have the one piece board mounted directly onto a circuit board possibly with pick and place set up.



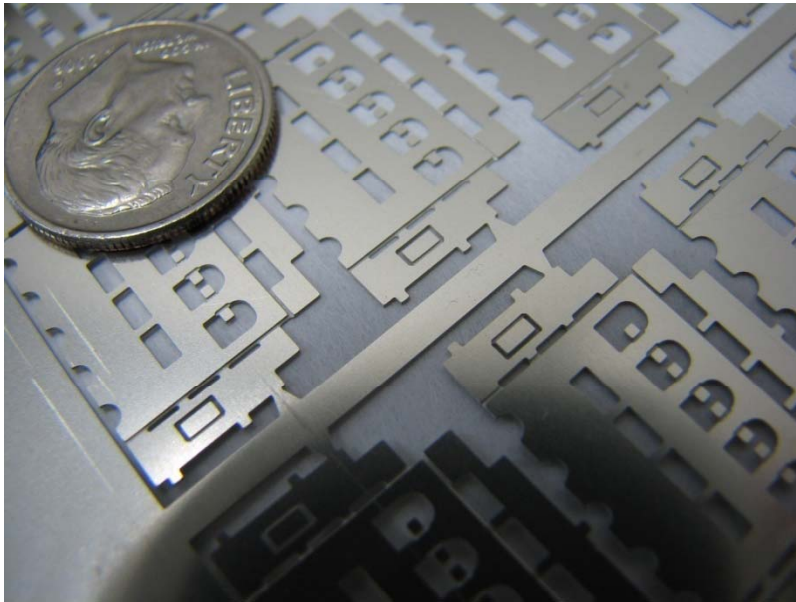
A removable RFI shield made of 0.010 thick nickel silver alloy 770. This part has spring fingers formed around the entire outside of the part and is intended to fit onto a fence that is already attached to the circuit board. Point of interest is the forming involved provided by the etching house.



An aluminum screen made of 0.032 inch thick alloy 6061-T6. The screen is 18 inches in diameter with a web width of 0.020 inch. Point of interest is the size of the part coupled with the width of the webs considering the thickness of material as well as it being out of aluminum.

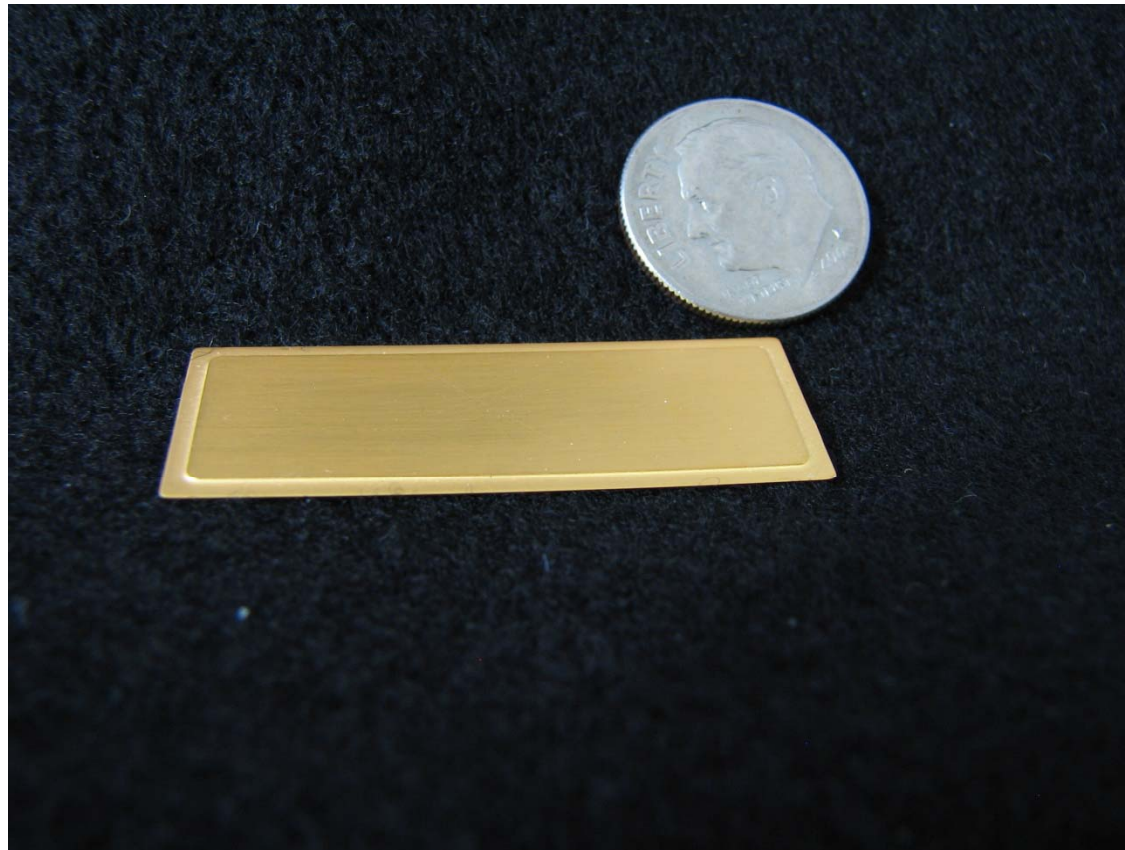


An RFI shield made of 0.007 nickel silver alloy 770. Part is presented as flat in sheets with etched forming lines. Point of interest is forming lines to facilitate forming either by the etching house or by the customer at their point of assembly. Also to show that parts can be made in sheets to facilitate possible plating and help in shipping.





A step cover made of 0.015 inch Kovar. Part has a 0.005 in. thick flange around the entire outside edge and is plated. Point of interest is the step down of part and that the part does not experience any warping that may be encountered through traditional machining. Also by having the part remain on tabs the part can be plated with no damage due to racking by the plater.



An eyelet made of 0.008 inch thick 300 series stainless steel. Part has 0.013 in. wide slots. Point of interest is the very small size of part.



A stainless steel battery contact made of 0.010 thick alloy 304. The part is formed and plated. Point of interest is that the quantity of pieces required would not justify tooling up as a stamped part or even fabrication on a Fourslide machine.

