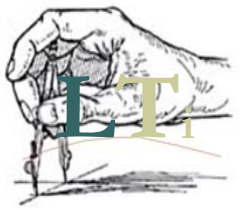


# PolyRAD™ Shields

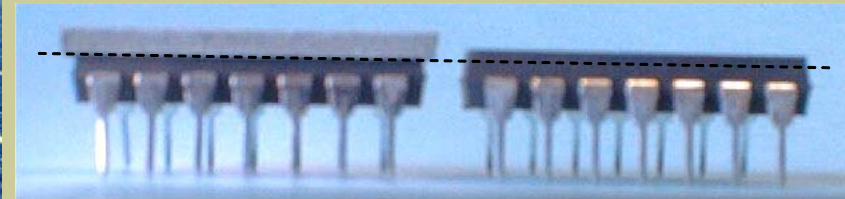
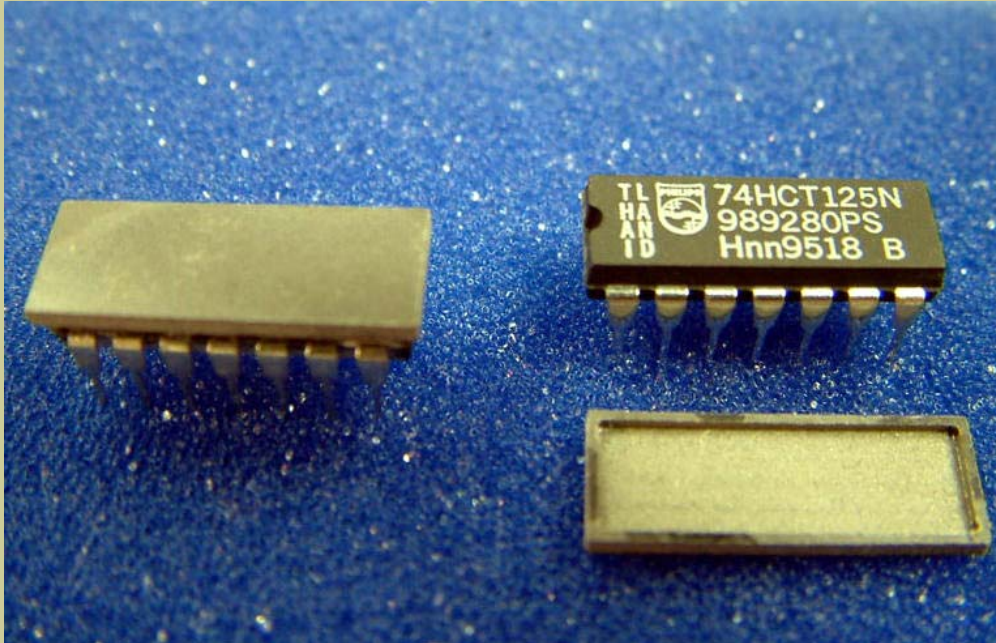
PolyRAD™



**PolyRAD™ is made in 6-inch diameter castings up to 0.5 inches thick. Individual, net-shaped shields are then machined from the casting. Shown sitting on the casting is a 14-pin device that has been capped with a PolyRAD™ shield. The shield was machined out of a 50-mil (0.050-in) thick casting. The shield is 25 mils thick with a 25-mil deep shoulder that comes down around the sides of the device. This “hat-box” net shape is a simple example of a 3-D shield.**

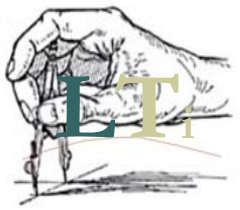


# PolyRAD™ Shields

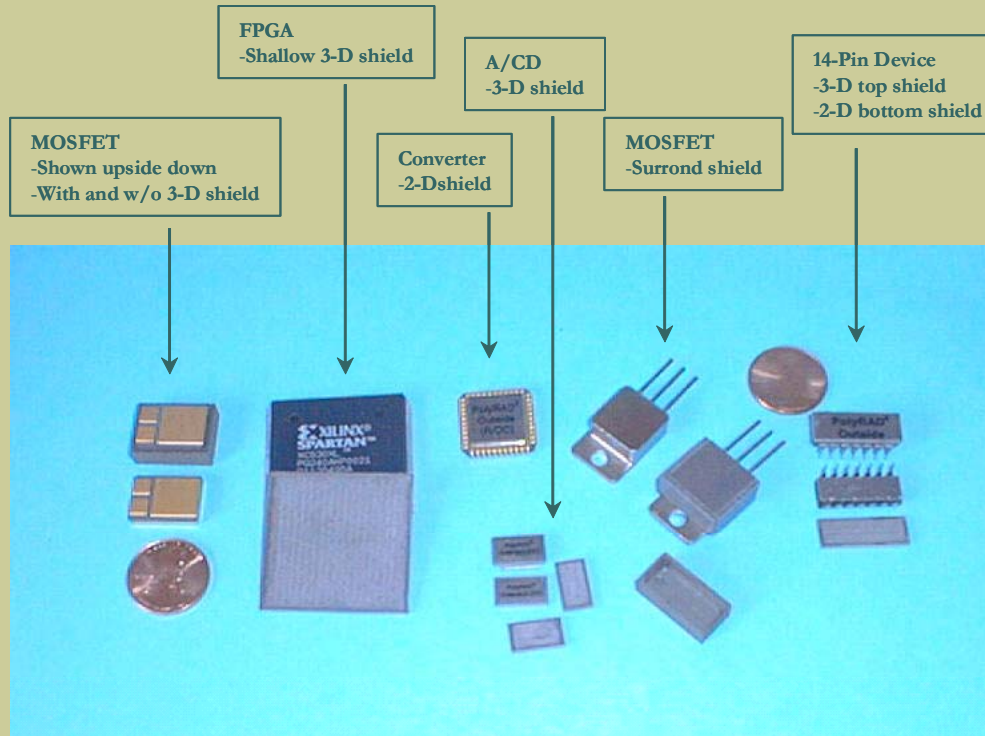


Close-up and side views of the 14-pin device, capped and not capped. The dotted line highlights that the cap has a 25-mil shoulder that fits snug around the sides of the device. The shoulder can be as deep as required, but not touching the pins.

The above examples do not imply an endorsement or agreement by the parts manufacturer for the use of PolyRAD™.



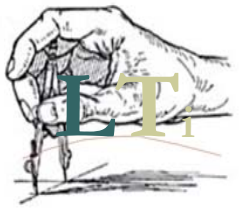
# PolyRAD™ Shields



The above examples do not imply an endorsement or agreement by the parts manufacturer for the use of PolyRAD™.

# PolyRAD™ Shields

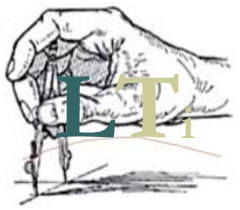
PolyRAD™



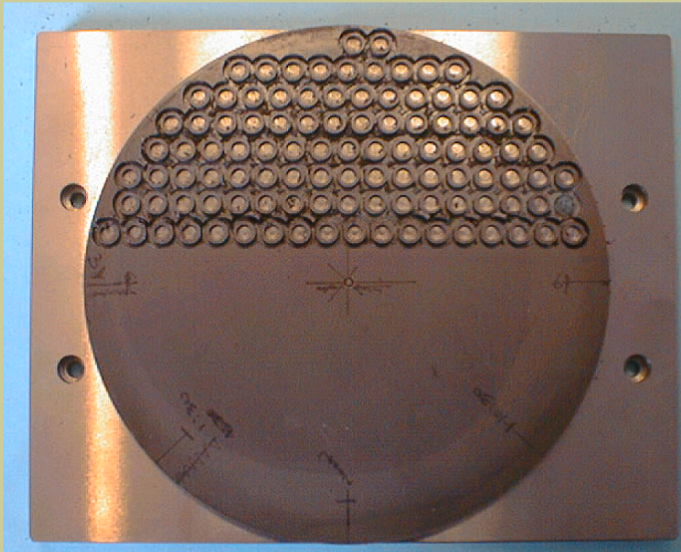
The picture is a close-up of the shallow shield shown in the preceding figure.



The above examples do not imply an endorsement or agreement by the parts manufacturer for the use of PolyRAD™ .



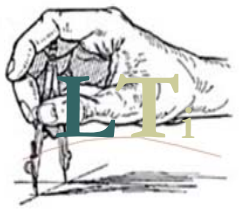
# PolyRAD™ Shields



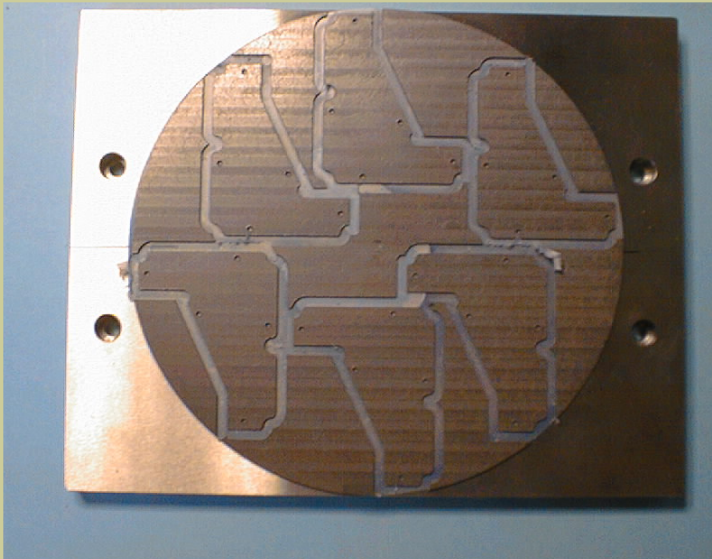
**104 round shields  
machined from one half  
of a 0.120-in thick  
casting**



**Mounted shields on  
portion of 90 TO metal  
cans**



# PolyRAD™ Shields



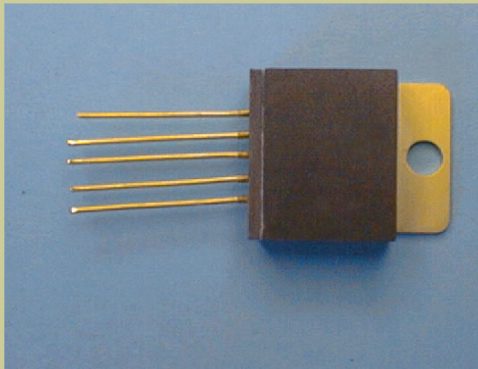
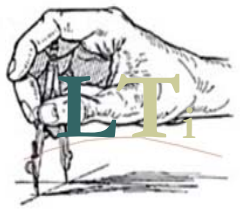
**6 electronic box covers  
machined from one  
0.050-in thick casting**



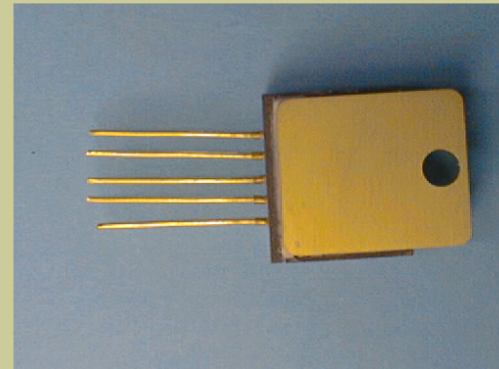
**58 finished electronic  
box covers**

# PolyRAD™ Shields

PolyRAD™



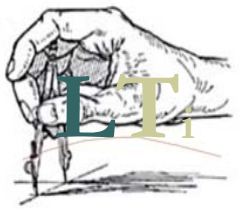
**Overhead view of shielded 5-pin device. Shield consists of a 3-D shield that covers all but the pin side. A 5-hole plate covers the pin side.**



**Underside view. Shield wall thickness is 0.050 inches**

# PolyRAD™ Shields

PolyRAD™

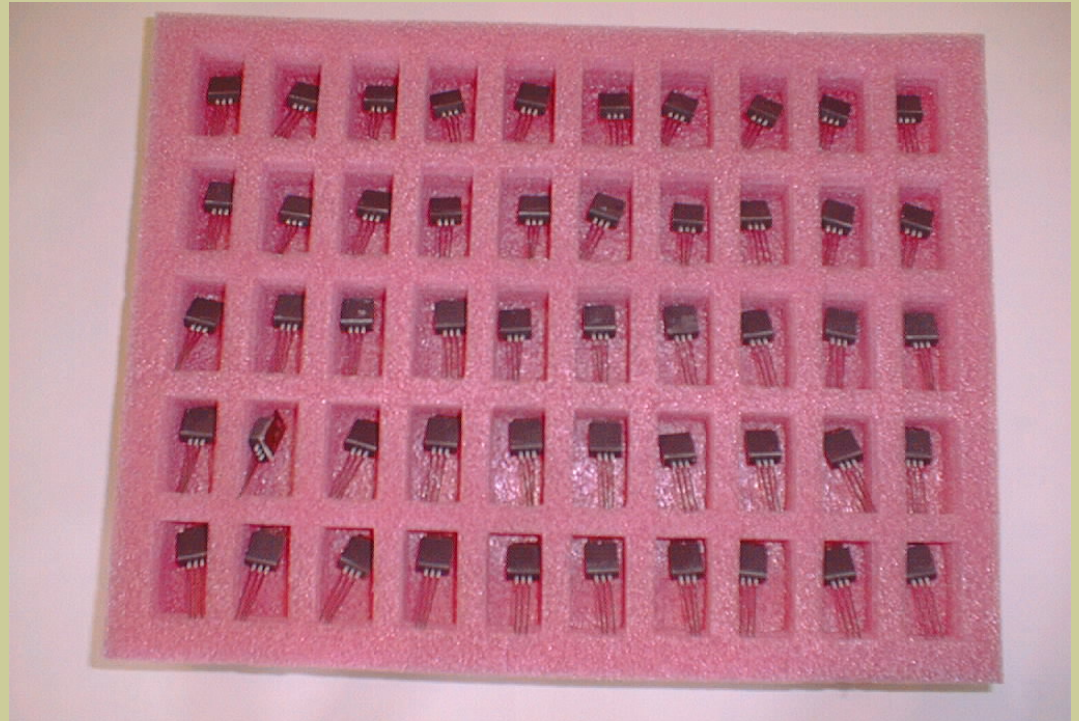
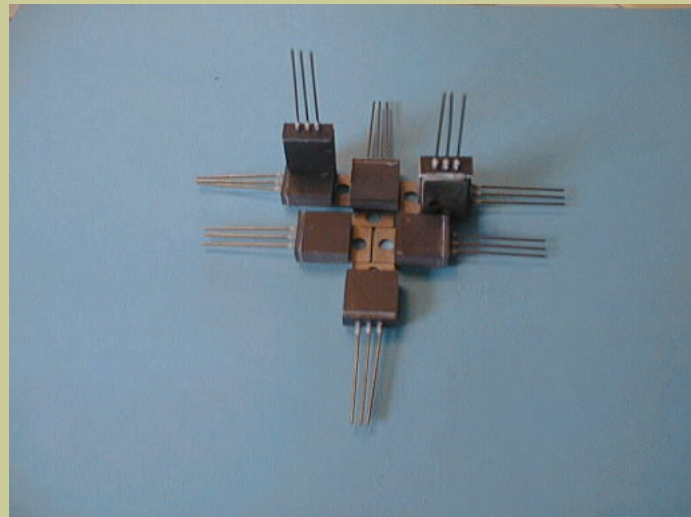


**Surface-mount power MOSFETs. Shield is a 3-D “shoe-box” 0.180-inch total height and 0.040-inch wall thickness**

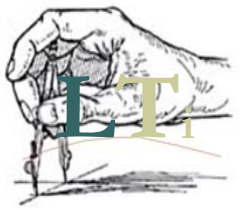


# PolyRAD™ Shields

PolyRAD™



**Shielded 3-Pin power MOSFETs. Shield geometry is similar to that shown in earlier figure for 5-pin devices. Following page is the entire set of 159 copies**



# PolyRAD™ Shields



**159 shielded 3-Pin power MOSFETs.**