



**Pin End Surface Quality for
Wire Bondability**

SHP offers two types of finish on square cut pin ends.

- A) The first type, which is our standard, is the result of a shear cut of the pin. This process produces two distinct areas on the end of the pin as shown in Figure 1 – these areas are separated by a straight line. Area A will be equal to or greater than 75% of the pin end area and will have a finish of 32 μ in. or better. Area B will have a rougher, grainier surface, caused by tensile failure on the balance of the pin during the cutting process.
- B) The second type of finish we offer is the ground flat (GF), which provides a ground pin end of 32 μ in. or better over the entire pin end.

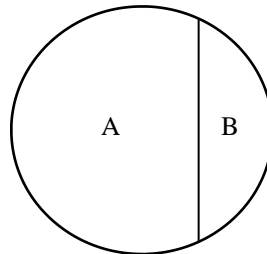


Figure 1

Recommendations:

If targeting method used in making the wire or ribbon bonds can assure hitting Area A, then Type I is recommended in the interest of cost and delivery. This type is standard on our feedthrus.

If the targeting method cannot assure that the bond will be in Area A, the ground flat approach should be used. This is specified by inserting the letters GF in the part number, following the pin length(s) on which the condition is required.