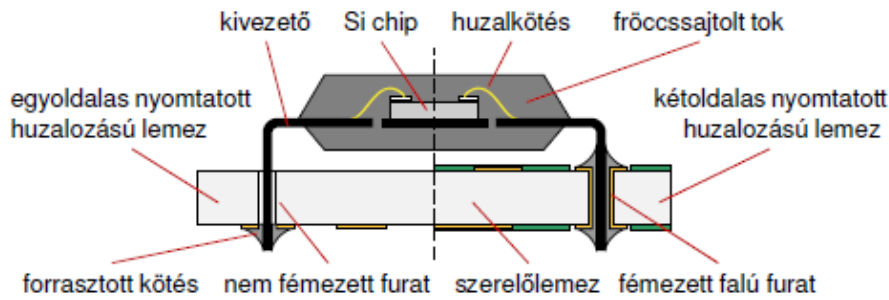


ETT Ábrák (Készítette: Denke Ákos, TT10WV, deeagle001@gmail.com)

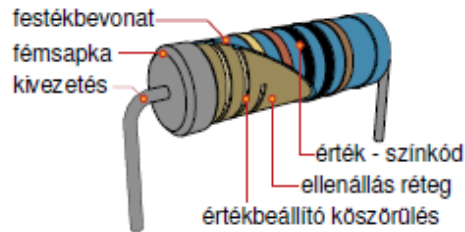
Csak azok amelyek érzésem szerint lehetnek vizsgában, zh-ban.

Teljes forma:

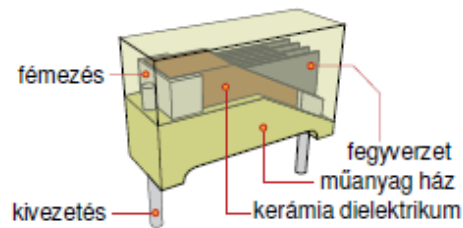
1.



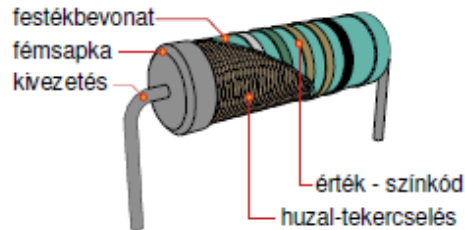
Ellenállás



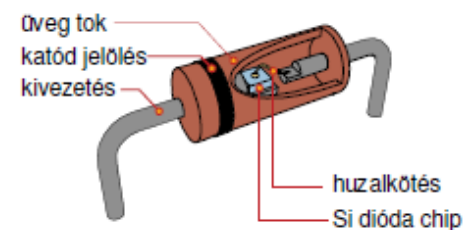
Kondenzátor



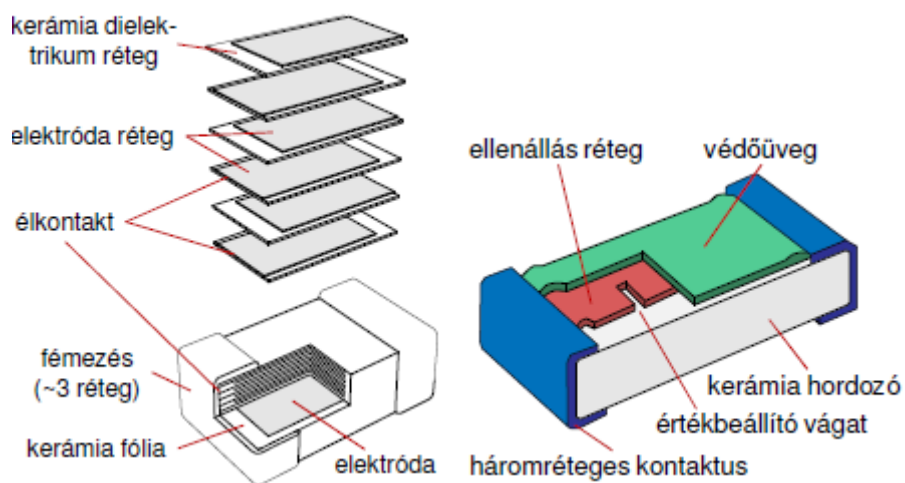
Tekercs



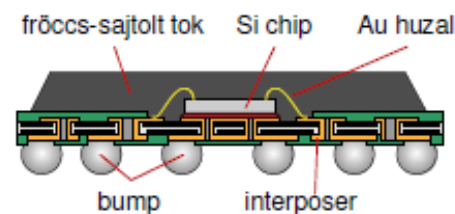
Dióda



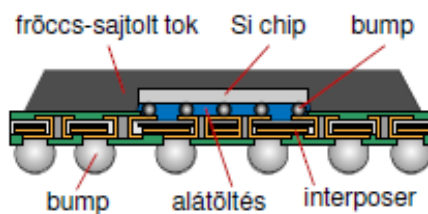
Felületszerelt kondenzátor



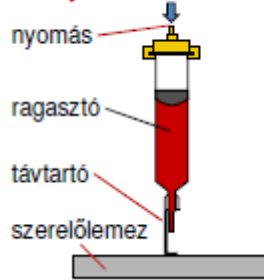
BGA



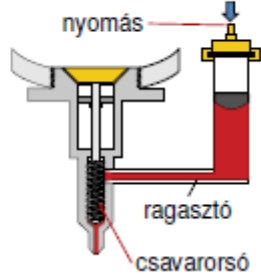
FC-BGA



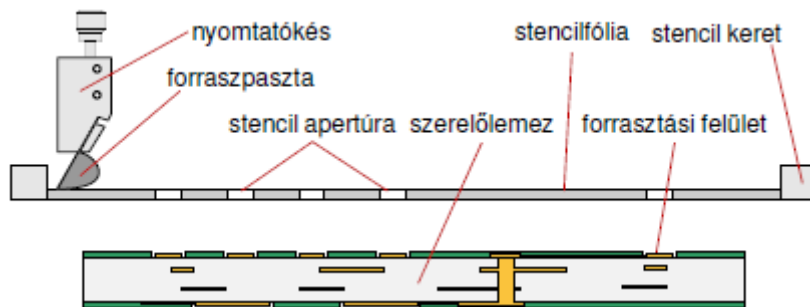
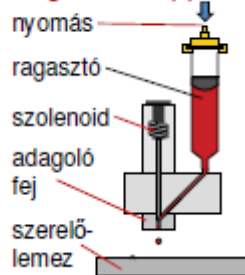
Idő/nyomás elvű



Csavarorsós



Sugaras cseppadagoló



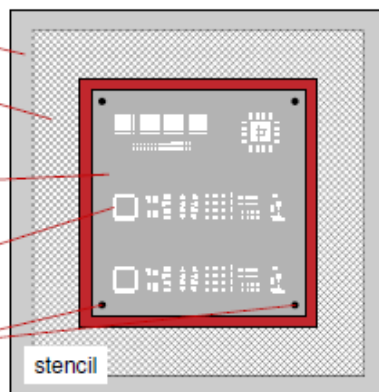
Alumínium keret

Feszítő szitaszövet (rozsdamentes acél)

Stencilfólia - rozsdamentes acél - nikkell

Nyomatási kép, apertúrák

Illesztési segédábra (fiduciális jel)

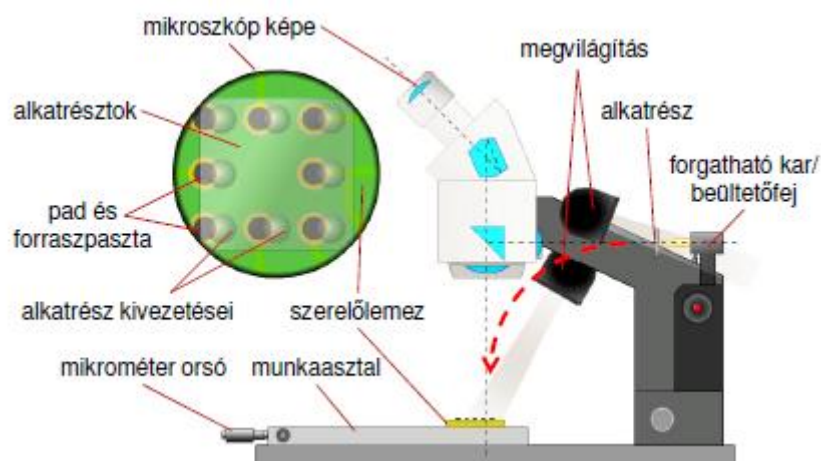
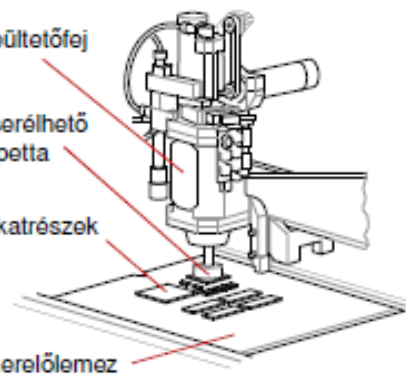


beültetőfej

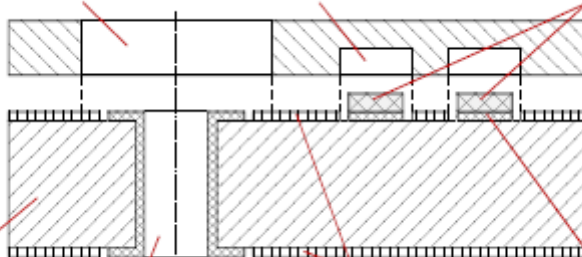
cserélhető pipetta

alkatrészek

szerelőlemez



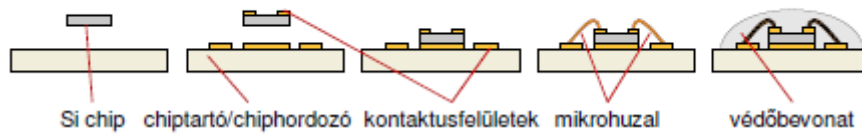
stencil apertúra hátoldali dombormarás forraszpaszta



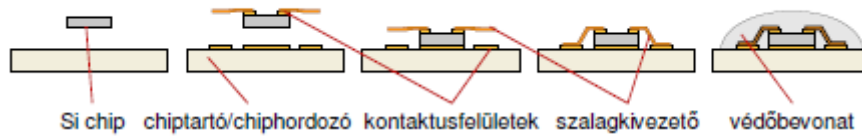
szerelőlemez fémezett falú furat forrasztásgátló maszk pad SMD alkatrészhez

2.

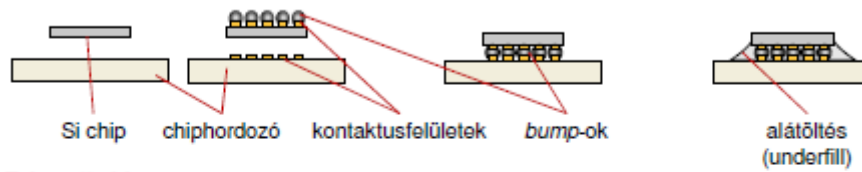
Chip+huzalkötés (Chip-and-wire)



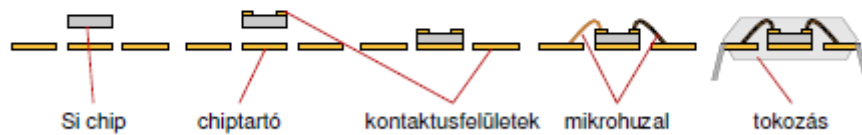
TAB (Tape Automated Bonding)



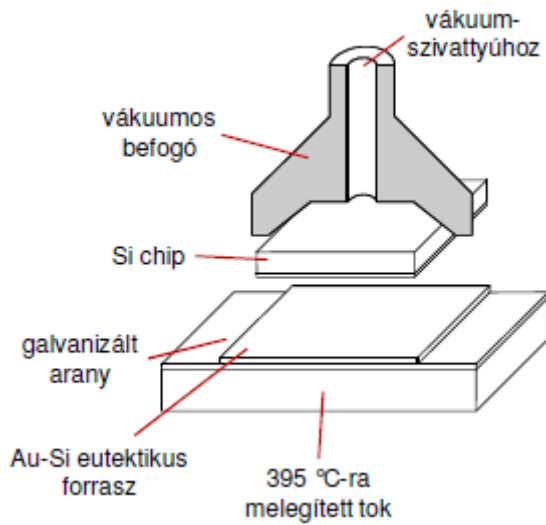
Flip-chip



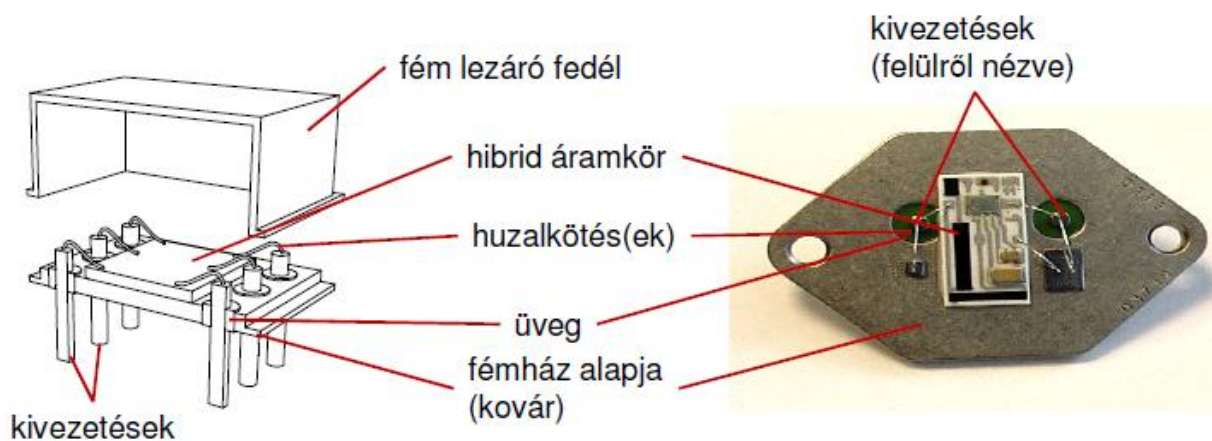
Tokozott chip



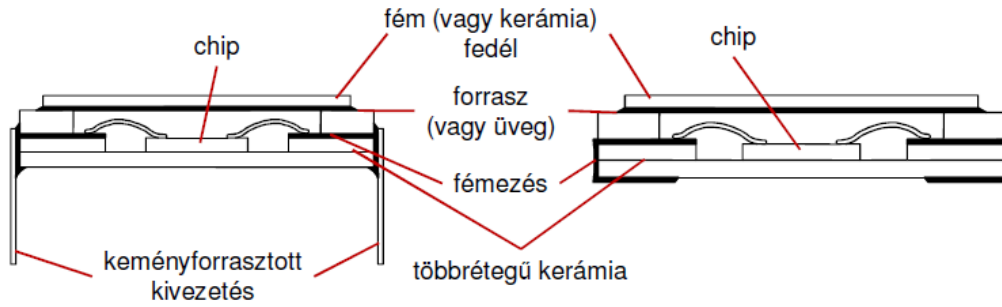
1. chip és hordozó
2. kontaktusfelület kialakítása
3. beültetés és chipprőgítés
4. elektromos kontaktálás
5. védőbevonat /tokozás



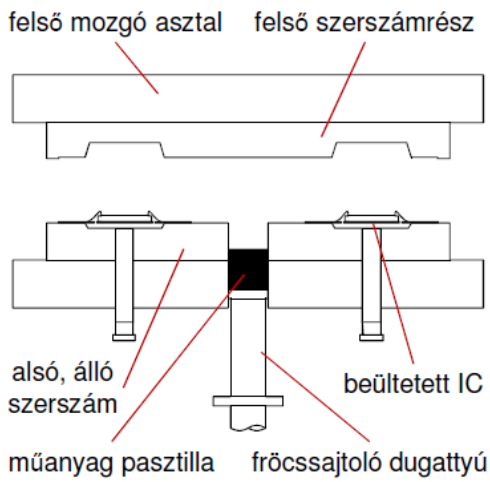
Fémüveg tok



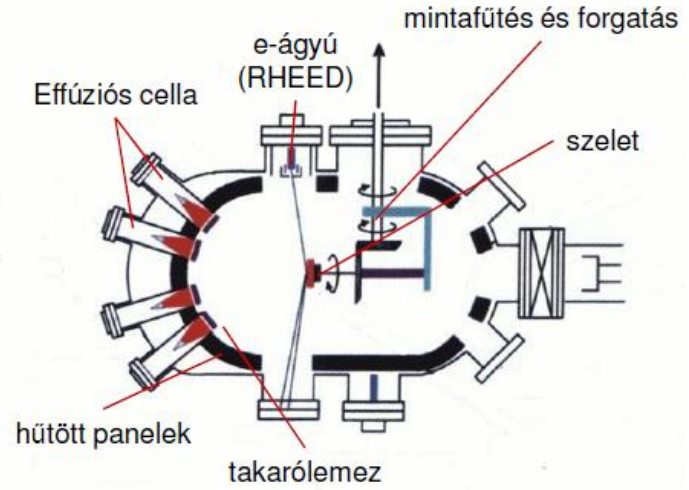
Kerámia tok



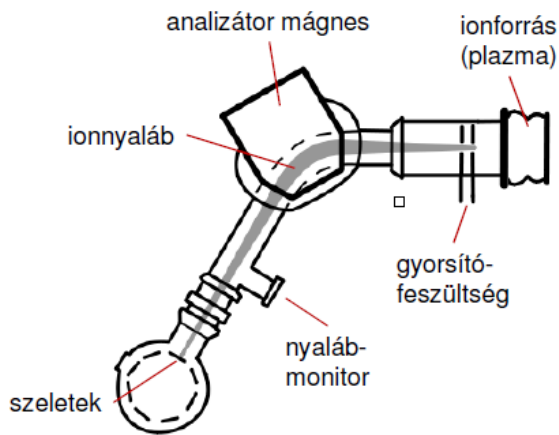
Fröcssajtolás



MBE

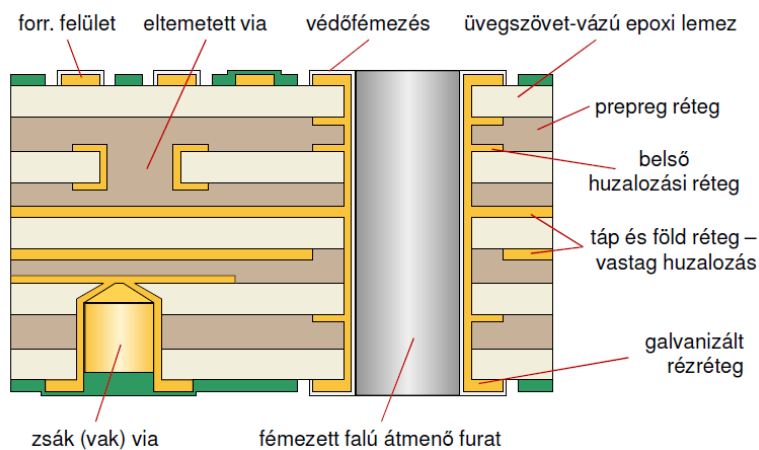


ionágyú



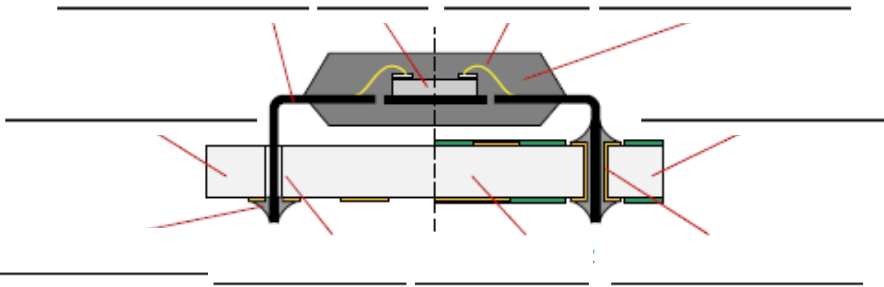
5.

Többrétegű lemez furatfajtái és rétegei



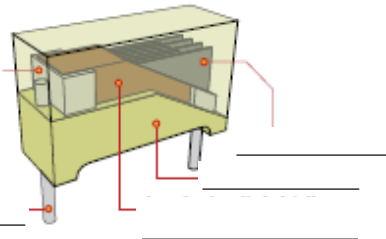
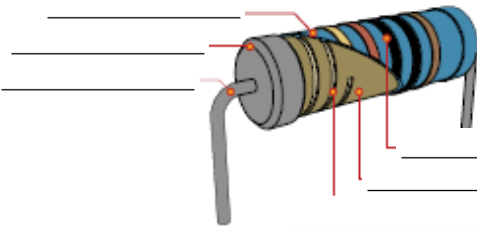
Biankó forma:

1.



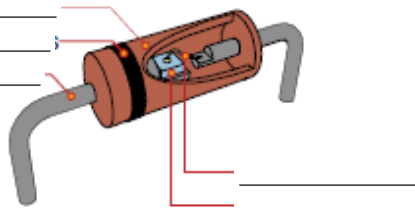
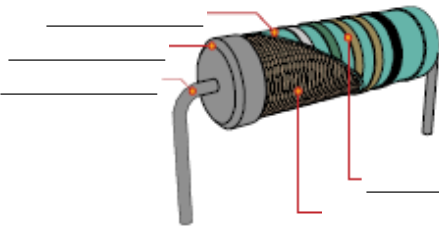
Ellenállás

Kondenzátor

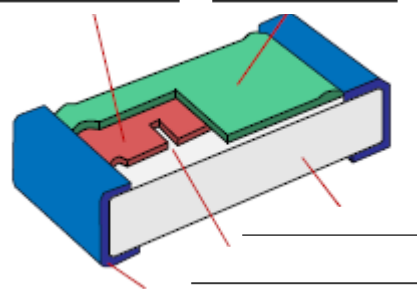
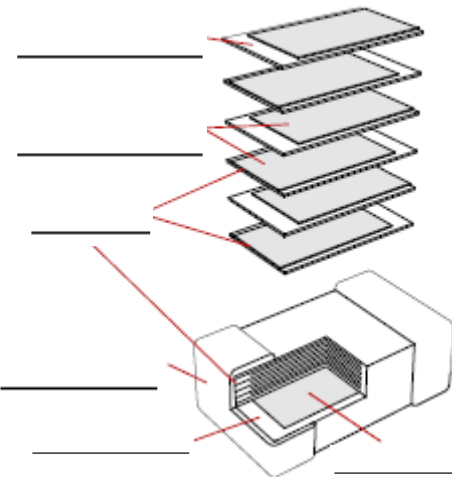


Tekercs

Dióda

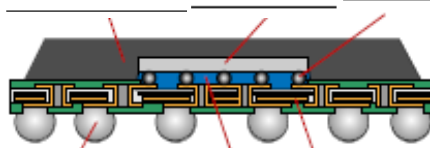
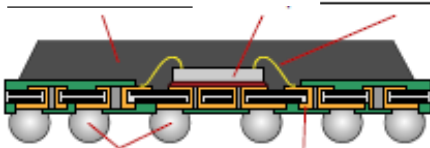


Felületszerelt kondenzátor

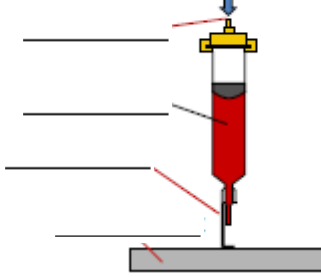


BGA

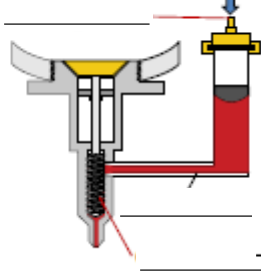
FC-BGA



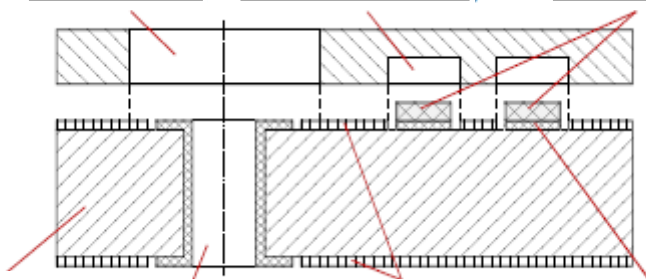
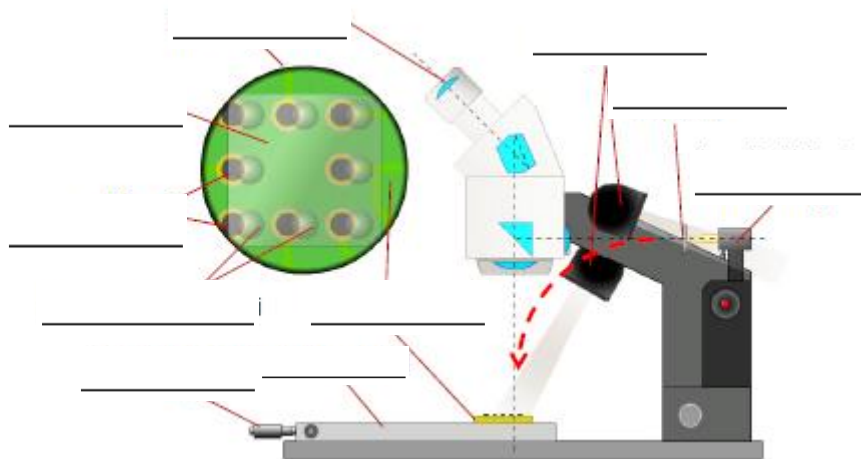
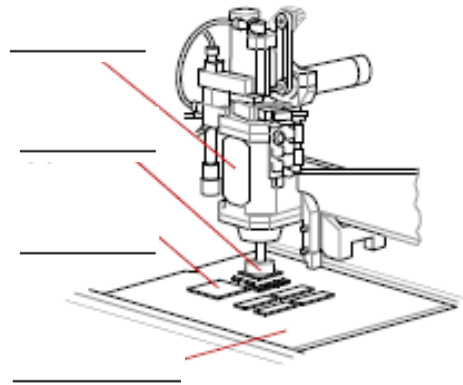
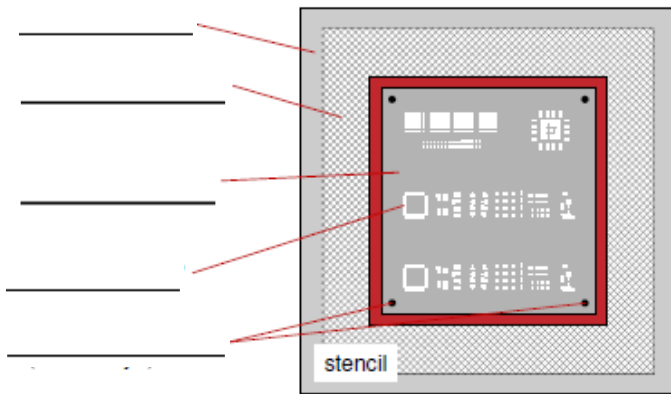
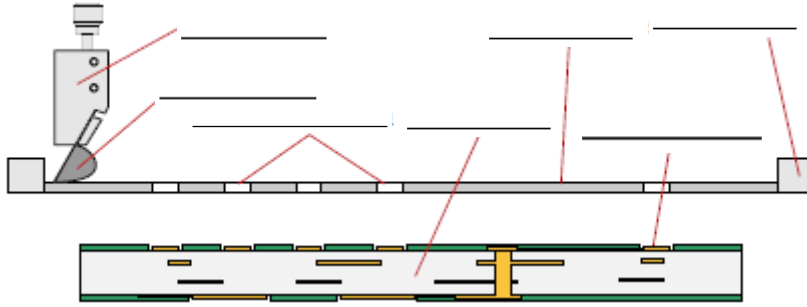
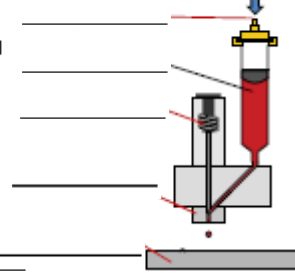
Idő/nyomás elvű



Csavarorsós

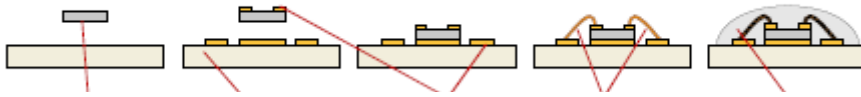


Sugaras csepppadagoló

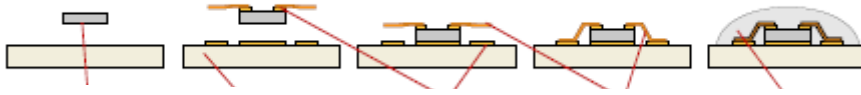


2.

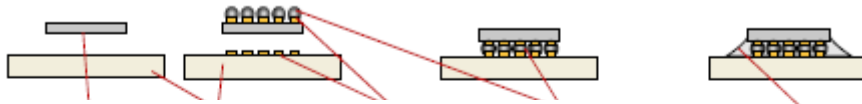
Chip+huzalkötés (Chip-and-wire)



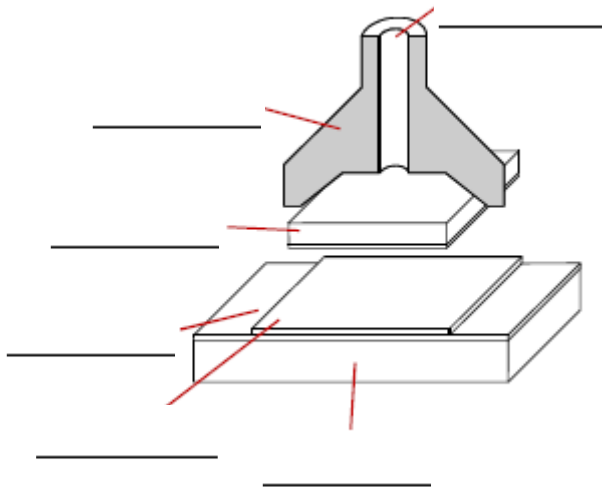
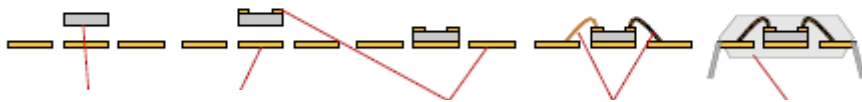
TAB (Tape Automated Bonding)



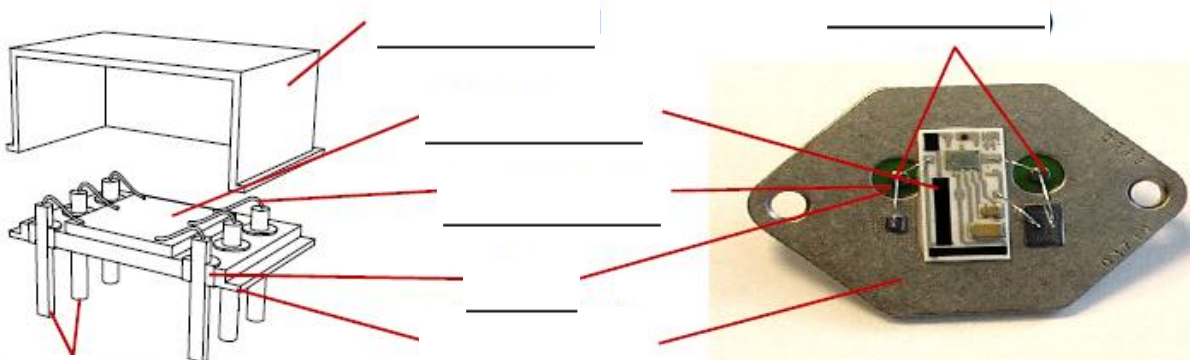
Flip-chip



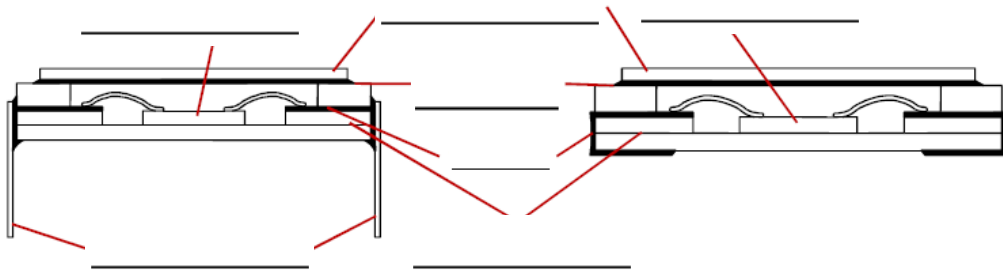
Tokozott chip



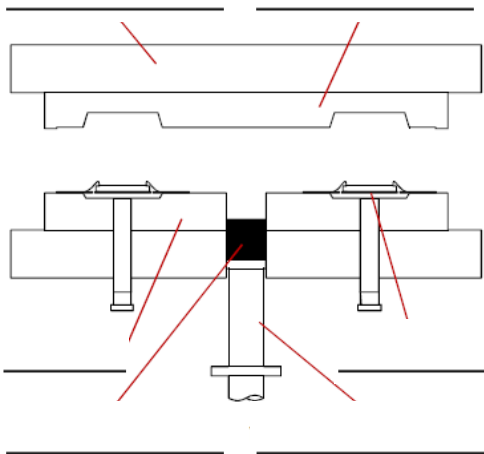
Fémüveg tok



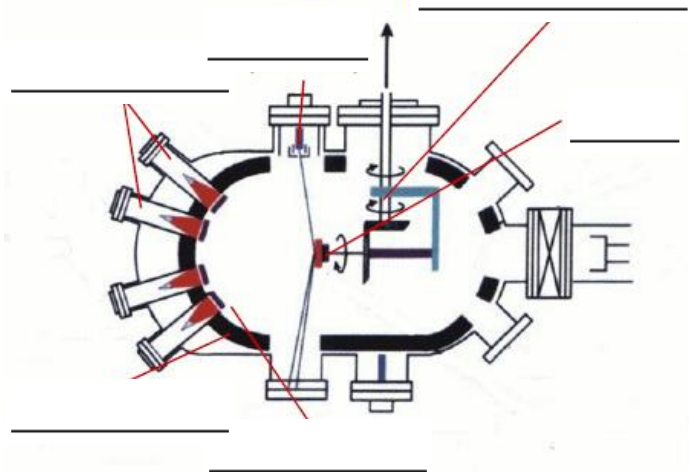
Kerámia tok



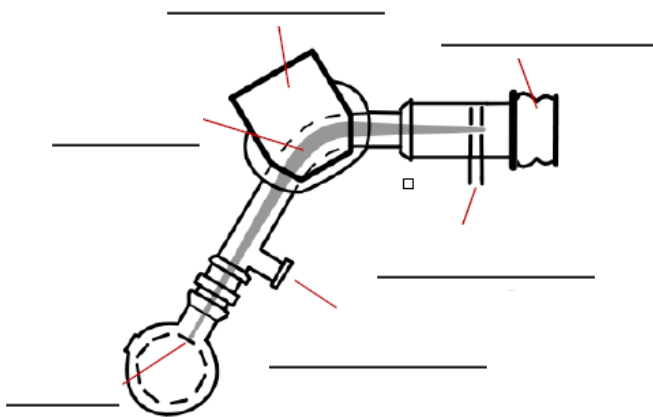
Fröcssajtolás



MBE



ionagyú



5.

Többrétegű lemez furatfajtái és rétegei

