

# Apfel DIN41612 Connectors

## DIN 41612 EUROCARD CONNECTORS

# APFEL

### PRESS-FIT TERMINATION CONNECTORS

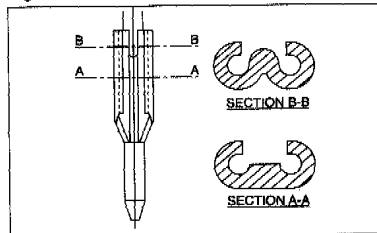
APFEL provides the unique patented compliant twin-eye of the needle press-in terminations.

It owns the following advantages:

- Tapered entry.
- Gas tight and larger contact area with the wall of the plated through hole.
- Conform to the hole variance.

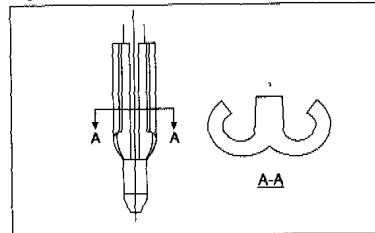
### PATENTED CONSTRUCTION

Fig 1



Construction of female short press-fit contact  
5mm tail length

Fig 2



Construction of long post (13mm, 17mm) male &  
female connectors, male press-fit 5mm tail length

Diameter of P.C.B plated through hole:  
P.C. board thickness:  
Recommended P.C. board holes:  
Copper plating:  
Tin plating:  
Push-in force per pin for plated through hole:  
Push-out force per pin for plated through hole:

$\varnothing=0.94-1.09\text{mm}(0.037-0.43\text{inch})$   
 $\geq 1.6\text{mm}(0.062\text{inch})$   
hole  $1.15^{+0.02}\text{mm}(0.0453^{+0.0008}\text{inch})$   
25-50 $\mu\text{m}$ (0.001 inch min.)  
5-15 $\mu\text{m}$ (0.002 inch min.)  
max 8kg/pin (17.5 lbs/pin)  
min. 3.5kg/pin(7.5lbs/pin)

Fig 3



Cross section of an assembled P.C. Board,

Fig 4



**Apfel-Europe** (a division of Westfield Distribution Ltd) (E&OE)

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Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required. .