

## European D Subminiature ordering key

**D B E - 25 P - OL2 - A191 - K87 - 146**

**Series**

D - D Subminiature

**Shell Size**

E - 9 way    A - 15 way  
 B - 25 way    C - 37 way  
 D - 50 way

**Mounting method**

no code - through hole  $\varnothing$  3.05  
 E - clinch nut 4 -40 UNC  
 X - clinch nut M3  
 Y - float mount

**Number of contacts**

9,15,25,37,50

**Contact type**

P - pin contact  
 S - socket contact

**Contact termination**

no code      solder pot contact  
 F179A      wire wrap 13.0mm  
 OL2          straight solder contact 5.3mm  
 OL4          straight solder contact 6.8mm  
 1A\*\*        see below

**Termination dia**

1 - 0.6mm

**Row spacing**

A - 2.54mm  
 B - 2.84mm

**1 A 5 N**

**Termination type**

N - 90 ° PCB

**Mounting hardware**

0 - without bracket, 3.05mm  $\varnothing$  through holes  
 5 - plastic bracket, 3.05mm  $\varnothing$  through holes  
 6 - plastic bracket, 4--40 UNC post  
 7 - metal bracket, 4--40 UNC captive nut  
 8 - metal bracket, 4--40 UNC post  
 9 - metal bracket, M3 captive Nut  
 D - plastic bracket with grounding bracket and  
     3.05mm  $\varnothing$  through holes  
 E - low profile metal bracket M3 captive nut (9-37 way)  
 F - metal bracket, 3.05mm  $\varnothing$  through holes

G - plastic bracket with grounding bracket and M3 post  
 H - metal bracket, M3 post  
 J - plastic bracket with grounding bracket and  
     4--40 UNC post  
 P - plastic bracket, M3 UNC post  
 T - plastic bracket, M3 captive nut  
 U - plastic bracket, 4 -40 UNC captive nut  
 V - plastic bracket with grounding bracket and  
     M3 captive nut  
 W - plastic bracket with grounding bracket and  
     4 -40 UNC captive nut

**PCB Boardlocks** (mounting method E or X)

straight PCB pins  
 146      (OL2) 3.0/3.2mm PCB hole  
             for 1.6mm board  
 161      (OL4) 3.0/3.2mm PCB hole  
             for 3.2mm board  
  
 right angle PCB pins  
 146      3.0mm PCB hole for 1.6mm board  
 162      3.2mm PCB hole for 1.6mm board

**Shell Plating finish**

no code    Zinc yellow chromate (*non-ROHS*)  
 K87        Tin with grounding indents  
             (pin shells only)  
 A197       Tin plated shell

**Performance class**

no code    class 3    : 50 mating cycles  
 A191      class 2    : 200 mating cycles  
   (including gas test)  
 A190      class 1    : 500 mating cycles  
   (Including gas test)