ANTEX

DESOLDERING BITS FOR SURFACE MOUNT DEVICES (SMD)

Introduction

The Antex range of SMD desoldering bits comprises twenty-three bits, which will fit the most commonly used SMD components, from the smallest discretes up to the PLCC 68 quadpack. Optimum results can be obtained with a temperature-controlled station such as the Antex 690SD or 660TC, the TCS iron can be used as an alternative. The fixed temperature iron CS18 can be used with the smaller bits, DST-A to H.

Using the Desoldering Bit to Remove a Component

The profile of the bit fits closely over the component and will apply heat evenly to each pin. The temperature required for desoldering will vary according to component and solder type. Bits DST-N to Z will run at a lower than set temperature, due to their larger physical size. When using a temperature controlled unit it is suggested that the set temperature be approximately 45ºC above the required tip temperature. This action is carried out automatically by the bit-offset feature of the 690SD.

As the solder melts, gently lift the bit and component from the board. The component is held within the bit during desoldering and can be ejected by pushing a small tool through the aperture provided, or from the open end of the two-sided bits.

Cleaning the Pads

It may be necessary to clean the pads on the PCB prior to component replacement. Firstly excessive solder can be removed using a desoldering pump. Next bit DST-K can be used with suitable desoldering-braid to give a clean finish.

Replacing Surface Mount Components

Having located the new component accurately in place, using adhesive if necessary, the pins can be individually soldered. Bits 1105, 1107, or DST-K can be used to achieve this. Do not attempt to resolder a new component with the desoldering tip. Additional brush-on flux may be needed to help joint formation and prevent bridging.

Further Information

Advice on the use of ANTEX soldering and desoldering products can be found at our website: antex.co.uk

Details of Desoldering Bits

BIT TYPE	ORDER CODE	STYLE	FOR COMPONENT TYPE
DST-A	DDSTA30	A	1206 / 1210
B	DDSTB30	A	1812
C	DDSTC30	A	0805
D	DDSTD30	A	MELF, SOD 80 / 87
E	DDSTE30	A	SOT 23 / 143
F	DDSTF30	A	SOT 89
G	DDSTG30	A	IC S08
H	DDSTH30	B	IC S014 / 16 / QFP 10x5mm
J	DDSTJ30	B	D-PAK
K	DDSTK30	K	Various (resoldering also)
1105	B110530	1105	Various (resoldering also)
1107 *	B110700	1107	Various (resoldering also)
D-PACK	DPACK30	The twelve bits above with bit tray ST18	
DST- N	DDSTN20	C	PLCC32
P	DDSTP20	B	IC S018
Q	DDSTQ20	B	IC S020 / QFP 15x8mm
R	DDSTR20	B	IC S024
S	DDSTS20	B	IC S028 / QFP 20x8mm
T	DDSTT20	C	PLCC18
V	DDSTV20	C	PLCC2O
W	DDSTW20	C	PLCC28 / QFP 12x12mm
X	DDSTX20	C	PLCC44 / QFP 14x14mm
Y	DDSTY20	C	PLCC52 / QFP 18x18mm
Z	DDSTZ20	C	PLCC68

All items are available individually packed.
*   unplated Mallory

STYLE A   STYLE B   STYLE C