

SMT REWORK TIP CARTRIDGES

Designed for reworking SMT components, SMTC tip cartridges do it all - assembly, removal and cleaning. The SMTC range includes slot, tunnel and quad tip cartridges. The SMTC range also includes hoof tips for drag soldering, blade tips to remove residual solder from pads, and knife tips for multi-lead soldering of PLCCs in tight places.

Please note: SMTC soldering tip cartridges are for use with the MX-RM3E soldering/rework hand-pieces for STSS/MX systems only. They cannot be used with SP systems, Talon® hand-pieces or desolder hand-pieces.

SLOT TIP CARTRIDGES



SMT TYPE	A	B	D	Part No.
Chip 0805	.090 (2.29)	.050 (1.27)	.070 (1.79)	SMTC-X01
Chip 1206, 1210	.140 (3.56)	.060 (1.52)	.070 (1.79)	SMTC-X02
Chip 1808, 1812	.190 (4.83)	.080 (2.03)	.075 (1.91)	SMTC-X03
Chip, Box A (EIA SOPM-3224)	.135 (3.43)	.080 (2.03)	.120 (3.05)	SMTC-X35
Chip, Box B (EIA SOPM-3528)	.150 (3.81)	.095 (2.41)	.100 (2.54)	SMTC-X32
Melf, Box B (EIA SOPM-4532)	.190 (4.83)	.110 (2.79)	.160 (4.06)	SMTC-X36
Chip, Box C (EIA SOPM-6032)	.250 (6.35)	.095 (2.41)	.130 (3.30)	SMTC-X33*
Chip, Box D (EIA SOPM-7246)	.300 (7.62)	.100 (2.54)	.140 (3.56)	SMTCX34*
SOT-23	.068 (1.73)	.100 (2.54)	.050 (1.27)	SMTC-X05
SOT-89	.110 (2.80)	.250 (6.35)	.080 (2.03)	SMTC-X08
Chip 0402, 0603, 0805 (angled)	.080 (2.03)	.050 (1.27)	.060 (1.52)	SMTC-X88
Chip 0402, 0603	.070 (1.78)	.040 (1.02)	.040 (1.02)	SMTC-X96

TUNNEL TIP CARTRIDGES FOR DUAL IN-LINE PACKAGES

MX-5000 ADVANCED FEATURES



MX-5010, MX-5020, MX-5050, MX-5041, MX-5051

Ambient Operating Temperature: 10- 40°C (50°F - 104°F)

Maximum Enclosure Temperature: 55°C (131°F)

Input Line Voltage: 100- 240 VAC, grounded circuit

Input Line Frequency: 50/60 Hz **Power Consumption:**

125 Watts **Output Power Maximum:**

80 Watts max. Pre channel at 22°C **Output Frequency:**

13.56 MHz **Power Cord 3-Wire:** 183cm (18/3") SJT

Dimensions w x d x h: 12.1cm x 13.0cm x 23.5cm
(4.8" x 5.1" x 9.3")

Certification / Marking: cTUVus, CE

Tip-to-Ground Potential: < 2mV

Tip-to-Ground Resistance: < 2 ohms

Idle Temperature Stability: ± 1.1°C (2°F) in still air

Hand-piece Cable Length:

L=122cm (48"), burn resistant, ESD safe

Hand-piece Connector: F connector

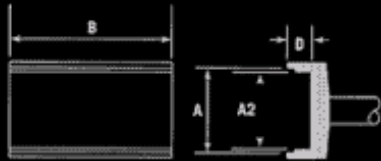
Workstand Dimensions w x d x h:

8.6cm x 19.1cm x 8.3cm (3.4" x 7.5" x 3.3")

Weight of the power supply: 7.4 lbs (3.35 kg)

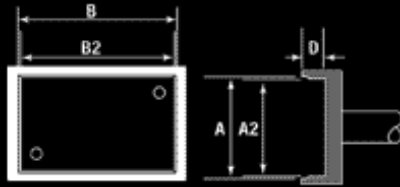
Weight of the workstand: 1.05 lbs (.476 kg)

DIMENSIONS IN INCHES (mm)



SMT TYPE	A2	A	B	D	Part No.
DPAC	.335 (8.51)	.335 (8.51)	.250 (6.35)	.200 (5.08)	SMTC-X47
SO-8	.320 (8.13)	.380 (9.65)	.750 (19.05)	.240 (6.10)	SMTC-X107
SO-16	.330 (8.38)	.330 (8.38)	.475 (12.07)	.230 (5.84)	SMTC-X46*
SO-8	.335 (8.51)	.335 (8.51)	.665 (16.90)	.250 (6.35)	SMTC-X68**
SOIC-8	.200 (5.08)	.200 (5.08)	.170 (4.32)	.090 (2.29)	SMTC-X04
SOIC-14,-16	.200 (5.08)	.200 (5.08)	.400 (10.16)	.090 (2.29)	SMTC-X06
SOIC-14	.204 (5.18)	.204 (5.18)	.350 (8.89)	.100 (2.54)	SMTC-X142
SOIC-24 (Mini flat pack)	.280 (7.11)	.280 (7.11)	.620 (15.75)	.125 (3.18)	SMTC-X77
SOIC-16 (Wide)	.320 (8.13)	.320 (8.13)	.470 (11.94)	.270 (6.86)	SMTC-X124
SOIC-20	.375 (9.53)	.375 (9.53)	.520 (13.21)	.125 (3.18)	SMTC-X10
SOIC-24	.375 (9.53)	.375 (9.53)	.620 (15.75)	.125 (3.18)	SMTC-X09
SOIC-28, SOL-34	.375 (9.53)	.375 (9.53)	.720 (18.29)	.125 (3.18)	SMTC-X07
SOIC-32	.520 (13.21)	.520 (13.21)	.805 (20.45)	.170 (4.32)	SMTC-X42
SOJ-28, SOM-36	.315 (8.00)	.340 (8.64)	.740 (18.80)	.074 (1.88)	SMTC-X26
SOJ-32, 34	.315 (8.00)	.340 (8.64)	.840 (21.34)	.125 (3.18)	SMTC-X140
SOJ-40, SOM-32	.410 (10.41)	.450 (11.43)	1.020 (25.91)	.075(1.91)	SMTC-X40
SOJ-42	.410 (10.41)	.450 (11.43)	1.070 (27.18)	.125 (3.18)	SMTC-X148
SOMC-14,-16, DB-20	.270 (6.86)	.270 (6.86)	.440 (11.18)	.090 (2.29)	SMTC-X20
SOP-20	.270 (6.86)	.270 (6.86)	.285 (7.24)	.100 (2.54)	SMTC-X138
SOP-28	.420 (10.67)	.420 (10.67)	.720 (18.29)	.125 (3.18)	SMTC-X39
SOP-40	.460 (11.68)	.510 (12.95)	1.000 (25.4)	.125 (3.18)	SMTC-X134*
SOP-44	.510 (12.95)	.565 (14.35)	1.070 (27.18)	.105 (2.67)	SMTC-X83
TSOP-28	.470 (11.94)	.505 (12.83)	.320 (8.13)	.065 (1.65)	SMTC-X95
TSOP-40	.730 (18.54)	.760 (19.30)	.400 (10.16)	.120 (3.05)	SMTC-X154
TSOP-56	.730 (18.54)	.760 (19.30)	.556 (14.12)	.120 (3.05)	SMTC-X162
TSOP-32	.730 (18.54)	.760 (19.30)	.320 (8.13)	.120 (3.05)	SMTC-X84**

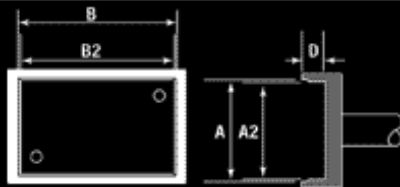
DIMENSIONS IN INCHES (mm)



SMT TYPE	A2	A	B2	B	D	Part No.
PLCC 18	.300 (7.62)	.330 (8.38)	.500 (12.70)	.530 (13.46)	.150 (3.81)	SMTC-X11
PLCC 20	.360 (9.14)	.400 (10.16)	.360 (9.14)	.400 (10.16)	.150 (3.81)	SMTC-X12
PLCC 28	.370 (9.40)	.410 (10.41)	.570 (14.48)	.610 (15.49)	.150 (3.81)	SMTC-X103
PLCC 32	.450 (11.43)	.500 (12.70)	.550 (13.97)	.600 (15.24)	.150 (3.81)	SMTC-X16
PLCC 28	.455 (11.56)	.500 (12.70)	.455 (11.58)	.500 (12.70)	.150 (3.81)	SMTC-X13
PLCC 44	.660 (16.76)	.700 (17.78)	.660 (16.76)	.700 (17.78)	.150 (3.81)	SMTC-X14
PLCC 68	.960 (24.38)	.995 (25.27)	.960 (24.38)	.995 (25.27)	.220 (5.59)	SMTC-X18*
PLCC 68 dual	.960 (24.38)	.995 (25.27)	.960 (24.38)	.995 (25.27)	.220 (5.59)	SMTC-X28
PLCC 84 dual	1.165 (29.59)	1.195(30.35)	1.165 (29.59)	1.195 (30.35)	.220 (5.59)	SMTC-X29
PLCC 52	.760 (19.30)	.800 (20.32)	.760 (19.30)	.800 (20.32)	.150 (3.81)	SMTC-X17*
PLCC 84	1.165 (29.59)	1.195 (30.35)	1.165 (29.59)	1.195 (30.35)	.220 (5.59)	SMTC-X19*

QUAD TIP CARTRIDGES FOR QFP

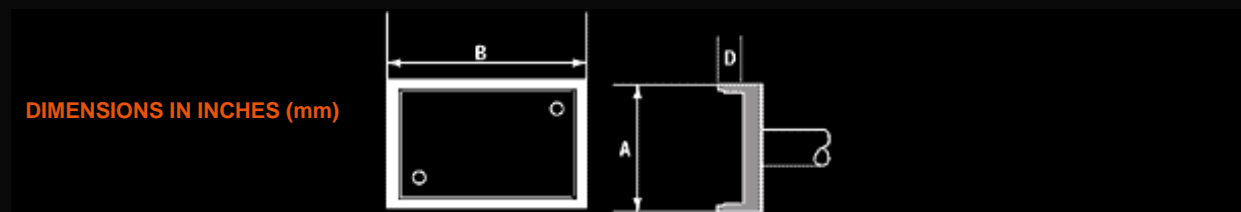
DIMENSIONS IN INCHES (mm)



SMT TYPE	A2	A	B	B2	D	Part No.
SQFP 48 (EIAJ)	.330 (8.38)	.330 (8.38)	.330 (8.38)	.330 (8.38)	.100 (2.54)	SMTC-X121
SQFP 64 (EIAJ)	.440 (11.18)	.440 (11.18)	.440 (11.18)	.440 (11.18)	.100 (2.54)	SMTC-X120
TQFP 44	.440 (11.18)	.480 (12.19)	.480 (12.19)	.520 (13.21)	.110 (2.79)	SMTC-X159
TQFP 80	.485 (12.32)	.525 (13.34)	.485 (12.32)	.525 (13.34)	.110 (2.79)	SMTC-X132
QFP 48	.550 (13.97)	.550 (13.97)	.550 (13.97)	.550 (13.97)	.130 (3.30)	SMTC-X115

VQFP 100 (EIAJ)	.570 (14.48)	.610 (15.49)	.570 (14.48)	.610 (15.49)	.110 (2.79)	SMTC-X118
QFP 128 (3.2 mm fp)	.620 (15.75)	.620 (15.75)	.860 (21.84)	.860 (21.84)	.130 (3.30)	SMTC-X133
QFP 44	.635 (16.13)	.635 (16.13)	.635 (16.13)	.635 (16.13)	.130 (3.30)	SMTC-X21
QFP 100 (rectangular)	.650 (16.51)	.650 (16.51)	.885 (22.48)	.885 (22.48)	.130 (3.30)	SMTC-X43
QFP 64, 80	.675 (17.15)	.675 (17.15)	.910 (23.11)	.910 (23.11)	.130 (3.30)	SMTC-X15
QFP 100	.805 (20.45)	.805 (20.45)	.805 (20.45)	.805 (20.45)	.190 (4.83)	SMTC-X45*
QFP 144	.805 (20.45)	.840 (21.34)	.805 (20.45)	.840 (21.34)	.075 (1.91)	SMTC-X122
QFP 132	.985(25.02)	1.020 (25.91)	.985(25.02)	1.020 (25.91)	.125 (3.18)	SMTC-X86
QFP 100 (square)	1.040 (26.42)	1.040 (26.42)	1.040 (26.42)	1.040 (26.42)	.130 (3.30)	SMTC-X44*
QFP 208 DUAL	1.125 (28.58)	1.770 (44.96)	1.125 (28.58)	1.170 (44.96)	.114 (2.90)	SMTC-X81
QFP 120,160 DUAL	1.165 (29.59)	1.200 (30.48)	1.165 (29.59)	1.200 (30.48)	.120 (3.05)	SMTC-X48
PQFP 240 DUAL	1.290 (32.77)	1.330 (33.78)	1.290 (32.77)	1.330 (33.78)	.110 (2.79)	SMTC-X125
QFP 304 DUAL	1.600 (40.64)	1.650 (41.91)	1.650 (41.91)	1.600 (40.64)	.200 (5.08)	SMTC-X158**

QUAD TIP CARTRIDGES FOR QFP



Recommended SMD Component	A	B	D	Recommended Part No.	Part No.
PLCC-20 SOCKET	.360 (9.14)	.556 (14.12)	.115 (2.91)	SMTC-X144	SMTC-1144
PLCC-32 SOCKET	.456 (11.58)	.556 (14.12)	.120 (3.05)	SMTC-X109	SMTC-1109
PLCC-84 SOCKET DUAL	1.160(40.64)	1.160(40.64)	.115(2.91)	SMTC-X145	SMTC-1145