

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: eTUVus, 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

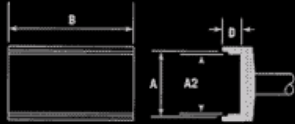
Workstand Dimensions w x dx h:

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)

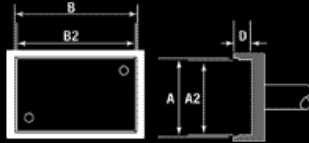
DIMENSIONS IN INCHES (mm)



| 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** |

QUAD TIP CARTRIDGES FOR PLCC

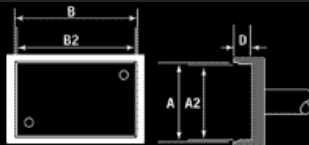
DIMENSIONS IN INCHES (mm)



| 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

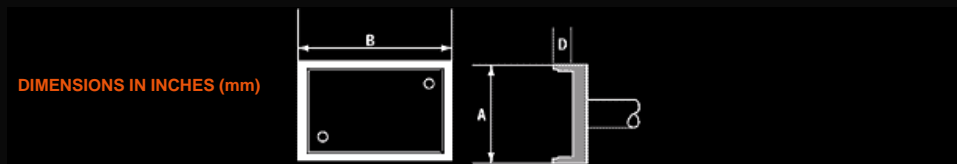
DIMENSIONS IN INCHES (mm)



| 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 |