

Products & Applications: Soldering/Desoldering

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SMT Rework Tip Cartridges

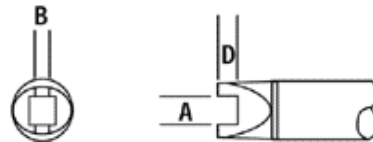
Designed for reworking SMT components, SMTC tip cartridges do it all - assembly, removal and cleaning. The SMTC range includes slot, tunnel and quad tip cartridges. The SMTC range also includes hoof tips for drag soldering, blade tips to remove residual solder from pads, and knife tips for multi-lead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

DIMENSIONS IN INCHES (mm)



| 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* |



SMTC Tip Range

| | | | | |
|--------------------------------|-------------|-------------|-------------|----------|
| 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 |

500 series x=5 600 series x=0 700 series x=1

*=NOT available for 500 series

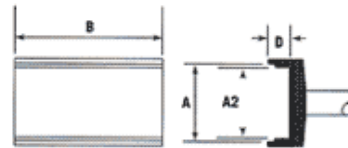


MX

Tip Range

Tunnel Tip Cartridges For Dual In-Line Packages

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 |

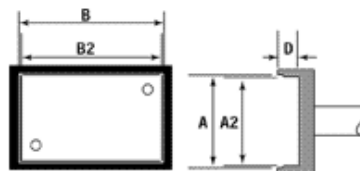
| | | | | | |
|---------|--------------|--------------|---------------|-------------|------------|
| SOP-20 | .270 (6.86) | .270 (6.86) | .285 (7.24) | .100 (2.54) | SMTC-X138 |
| SOP-28 | .420 (10.67) | .420 (10.67) | .720 (18.29) | .125 (3.18) | SMTC-X39 |
| SOP-40 | .460 (11.68) | .510 (12.95) | 1.000 (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** |

600 series x=0 700 series x=1 *=NOT available for 600 series

**=NOT available for 700 series

Quad Tip Cartridges For PLCC

DIMENSIONS IN INCHES (mm)



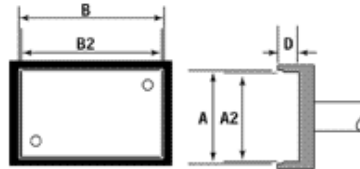
| SMT TYPE | A2 | A | B2 | B | D | Part No. |
|--------------|---------------|---------------|---------------|---------------|-------------|-----------|
| PLCC 18 | .300 (7.62) | .330 (8.38) | .500 (12.70) | .530 (13.46) | .150 (3.81) | SMTC-X11 |
| PLCC 20 | .360 (9.14) | .400 (10.16) | .360 (9.14) | .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* |

600 series x=0 700 series x=1 for all quads use 700 SERIES tip cartridges

*=NOT available for 600 series

Please note: Dual tip cartridges require two power supply units and two hand-pieces. A Dual Hand-Piece Support (MX-DHS) is also recommended.

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** |

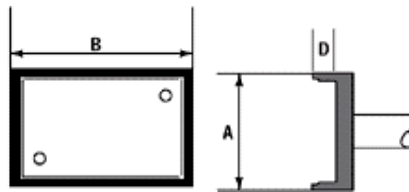
600 series x=0 700 series x=1 for all quads use 700 series tip cartridges

*= Not recommended for 600 series **= not AVAILABLE FOR 600 SERIES

Please Note: Dual tip cartridges require two powersupply units and two hand-pieces. A Dual Hand-Piece Support (MX-DHS) is also recommended.

Socket Tip Cartridges (Tip Inside Socket)

DIMENSIONS IN INCHES (mm)



| 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 |

600 series x=0 700 series x=1 for all quads use 700 series tip cartridges

Please Note: Dual tip cartridges require two power supply units and two hand-pieces. A Dual Hand-Piece Support (MX-DHS) is also recommended.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.