

List of LabTool-T400 Programmer and Adapter Modules

1. Delivery : contact AEC for actual lead time.
2. Payment : T/T in Advance
3. Term : FOB USD Taiwan. All price are subject to change without notice.
4. Order amount under USD200 will be charged USD15 for special handling fee.

Oct, 2021

| P/N | Description | Package Size (BGA) |
|--|---|------------------------------|
| <u>General Purpose Adapter Modules for LabTool-T400 Turbo Flash Gang Programmer</u> | | |
| TM-A160-48F | 48 pin FBGA (8mm x 9mm, Pitch 0.8mm) adapter modules for AMD Am29LV160B (Open-Top Socket) | 8mm x 9mm Pitch=0.8mm |
| TM-A3208-56F | 56 pin FBGA (8mm x 11.6mm, Pitch 0.8mm) adapter modules for AMD 42DL32xx MCP (TLA064,TLA073) (Open-Top Socket) | 8mm x 11.6mm Pitch=0.8mm |
| TM-A3208-56FC | 56 pin FBGA (8mm x 11.6mm, Pitch 0.8mm) adapter modules for AMD 42DL32xx MCP (TLA064,TLA073) (Clam-Shell Socket) | 8mm x 11.6mm Pitch=0.8mm |
| TM-A640-48F | 48 pin FBGA (11mm x 12mm, Pitch 0.8mm) adapter modules for AMD 29DL640D (Open-Top Socket) | 11mm x 12mm Pitch=0.8mm |
| TM-ALKS10-356B | 356 (19) pin BGA (13mm x 17mm, Pitch 0.6mm) adapter modules for Altek S10MCP (Clam-Shell Socket) | 13mm x 17mm Pitch 0.6mm |
| TM-AT1614-48F | 48 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for SST S39VF6401(6402) / Atmel AT49BV1614(T) (Open-Top Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-CT256-104FS | 104 pin FSBGA (9mm x 9mm, Pitch 0.65mm) adapter modules for Hynix H8YCZ0C10MAR (Open-Top Socket) | 9mm x 9mm Pitch=0.65mm |
| TM-CT256-120F | 120 pin FBGA (10mm x 13mm, Pitch 0.8mm) adapter modules for CHIPSIP CT47568126A-G4 / CT48568126A-G4 / ATO MST5D08G16GPH (Open-Top Socket) | 10mm x 13mm Pitch=0.8mm |
| TM-F100-70SS | 70 pin SSOP (Body Width 12.8mm, Pitch 0.8mm) adapter modules for Fujitsu MSP55LV100 (Clam-Shell Socket) | |
| TM-F2228-56F | 56 pin FBGA (7mm x 9mm, Pitch 0.8mm) adapter modules for Fujitsu MB84VD22280F (Open-Top Socket) | 7mm x 9mm Pitch=0.8mm |
| TM-F512-70SS | 70 pin SSOP (Body Width 12.8mm, Pitch 0.8mm) adapter modules for Fujitsu MSP55LV512 (Clam-Shell Socket) | |
| TM-FM2G-162WF | 162 pin WFBGA (8mm x 10.5mm, Pitch 0.5mm) adapter modules for ESMT FM6BD2G1GA-2.5BLCGE (Open-Top Socket) | 8mm x 10.5mm Pitch=0.5mm |
| TM-FM4G-162WF | 162 pin WFBGA (11.5mm x 13mm, Pitch 0.5mm) adapter modules for ESMT FM68D4G2GA-2.5BLGE (Open-Top Socket) | 11.5mm x 13mm Pitch=0.5mm |
| TM-FP1216-48F | 48 pin FBGA (9mm x 9mm, Pitch 0.8mm) adapter modules for Front Power NAND1208U1-CKC (Open-Top Socket) | 9mm x 9mm Pitch=0.8mm |
| TM-GD5F-8SON2 | 8 pin WSON (6mm x 8mm, Thickness 1.0mm, Pitch 1.27mm) adapter modules for SPI NAND Flash (Clam-Shell Socket) | |
| TM-H8AC-137F | 137 pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Hynix H8ACS0SJ0MCP / HYG0SSJ0MF3P (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |
| TM-H8BC-149F | 149 pin FBGA (10mm x 14mm, Pitch 0.8mm) adapter modules for Hynix H8BCS0S(Q)I0MAP (Open-Top Socket) | 10mm x 14mm Pitch=0.8mm |

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| TM-HY518-128FS | 128 pin FSBGA (12mm x 12mm, Pitch 0.65mm) adapter modules for Altek AL6210-3ADG (Hynix H27S518S2C) (Open-Top Socket) | 12mm x 12mm Pitch=0.65mm |
| TM-I128-56VF | 56 pin VFBGA (7.52mm x 13.42mm, Pitch 0.75mm) adapter modules for Intel GE(PH)28F128W18(30)BD(TD) (Open-Top Socket) | 7.52mm x 13.42mm Pitch=0.75mm |
| TM-I128-64E | 64 pin EBGA (10mm x 13mm, Pitch 1.0mm) adapter modules for Intel RC28F128K3/J3 (Open-Top Socket) | 10mm x 13mm Pitch=1.0mm |
| TM-I128W-56VF | 56 pin VFBGA (12mm x 12.5mm, Pitch 0.75mm) adapter modules for Intel GE28F128W18(30)T(B) (Open-Top Socket) | 12mm x 12.5mm Pitch=0.75mm |
| TM-I256-64E | 64 pin EBGA (10mm x 15mm, Pitch 1.0mm) adapter modules for Intel 28F256J3C (Open-Top Socket) | 10mm x 15mm Pitch=1.0mm |
| TM-I256K-63VF | 63 pin VFBGA (9mm x 14.5mm, Pitch 0.75mm) adapter modules for Intel GE28F256K (Open-Top Socket) | 9mm x 14.5mm Pitch=0.75mm |
| TM-I256L-63VF | 63 pin VFBGA (9mm x 11mm, Pitch 0.75mm) adapter modules for Intel GE28F256L (Open-Top Socket) | 9mm x 11mm Pitch=0.75mm |
| TM-I256P-56TS | 56 pin TSOP (14mm x 20mm, Pitch 0.5mm) adapter modules for Intel TE28F256P30BX585QS (Open-Top Socket) | |
| TM-I3204-64F | 64 pin FBGA (8mm x 12mm, Pitch 0.8mm) adapter modules for ST M36Wxxxx (Open-Top Socket) | 8mm x 12mm Pitch=0.8mm |
| TM-I320-48U | 48 pin uBGA (7.286mm x 10.85mm, Pitch 0.75mm) adapter modules for Intel GE28F320J3A (Open-Top Socket) | 7.286mm x 10.85mm Pitch=0.75mm |
| TM-I3340-80F | 80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for Intel RD38Fxxxx MCP (Open-Top Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-I3340-80FC | 80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for Intel RD38Fxxxx MCP (Clam-Shell Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-I4050-80F | 80 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for Intel RD38F4050 (Open-Top Socket) | 8mm x 11mm Pitch=0.8mm |
| TM-I4050-80F-Y | 80 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for Intel RD38F4050 (YAMAICHI Socket) (Open-Top Socket) | 8mm x 11mm Pitch=0.8mm |
| TM-I4400-137FS | 137 pin FSBGA (8mm x 11mm, Pitch 0.65mm) adapter modules for Intel LZ48F4400 (Open-Top Socket) | 8mm x 11mm Pitch=0.65mm |
| TM-I4470-137FS | 137 pin FSBGA (11mm x 13mm, Pitch 0.65mm) adapter modules for Intel PF38F4470VVUB (Open-Top Socket) | 11mm x 13mm Pitch=0.65mm |
| TM-I5060M-107F | 107 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for Intel PF38F5060M0Y0 (Open-Top Socket) | 8mm x 11mm Pitch=0.8mm |
| TM-I640-56VF | 56 pin VFBGA (7.7mm x 9mm, Pitch 0.75mm) adapter modules for Intel 28F640W, 28F640K (Open-Top Socket) | 7.7mm x 9mm Pitch=0.75mm |
| TM-I6408-64F | 64 pin FBGA (8mm x 14mm, Pitch 0.8mm) adapter modules for Intel RD28F6408 (Open-Top Socket) | 8mm x 14mm Pitch=0.8mm |
| TM-I640P-64E | 64 pin EBGA (8mm x 10mm, Pitch 1.0mm) adapter modules for Intel PC28F640/128 P33B85 (Open-Top Socket) | 8mm x 10mm Pitch=1.0mm |
| TM-IPXA27-336FS | 336 pin FSBGA (14mm x 14mm, Pitch 0.65mm) adapter modules for Intel PXA27xx (Open-Top Socket) | 14mm x 14mm Pitch=0.65mm |
| TM-MT2G16-107F | 107 pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Micron MT29C2G24MAKJAJC/MT29C1G56MADEAJC-6IT (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |
| TM-MT4G08-63F | 63 pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Micron MT29F4G08(16)AA(B)C (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |

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| TM-MX12855-24E | 24 pin EBGA (6mm x 8mm, Pitch 1.0mm, Matrix 4x6) adapter for Macronix MX25L6455E/12855E (Open-Top Socket) | 6mm x 8mm Pitch=1.0mm |
| TM-MX12855-24M | 24 pin EBGA (6mm x 8mm, Pitch 1.0mm, Matrix 4x6) adapter for Macronix MX25L6455E/12855E (MCS) (Open-Top Socket) | 6mm x 8mm Pitch=1.0mm |
| TM-MX128D-64E | 64 pin EBGA (10mm x 13mm, Pitch 1.0mm) adapter modules for Macronix M29LA128DB/DT & Numonyx M29W640G(S)B/T/H/L (FAA064) (Open-Top Socket) | 10mm x 13mm Pitch=1.0mm |
| TM-N640ZS-56WF | 56 pin WFBGA (6mm x 8mm, Pitch 0.5mm) adapter modules for Numonyx M36W0R6050U4ZS (Open-Top Socket) | 6mm x 8mm Pitch=0.5mm |
| TM-ONFI31-48TS | 48 pin TSOP (12mm x 20mm, Pitch 0.5mm) adapter modules for Nand Flash (ONFI 1.0/2.0/2.1/2.2/2.3a/3.0/3.1) (Open-Top Socket) | |
| TM-ONFI31-H4F | 48 (63) pin FBGA (9mm x 11mm, Pitch 0.8mm) adapter modules for Nand Flash (ONFI 1.0/2.0/2.1/2.2/2.3a/3.0/3.1) (Open-Top Socket) | 9mm x 11mm Pitch=0.8mm |
| TM-ONFI31-HCF | 48 (63) pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Nand Flash (ONFI 1.0/2.0/2.1/2.2/2.3a/3.0/3.1) (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |
| TM-QFN-0801 | 8 pin QFN (5mm x 6mm, Thickness 0.85mm, Pitch 1.27mm) adapter modules for SPI NOR Flash (Open-Top Socket) | |
| TM-QFN-0802 | 8 pin QFN (6mm x 8mm, Thickness 1.0mm, Pitch 1.27mm) adapter modules for SPI NOR Flash (Clam-Shell Socket) | |
| TM-QFN-0803 | 8 pin QFN (2mm x 3mm, Thickness 0.6mm, Pitch 0.5mm) adapter modules for SPI NOR Flash (Clam-Shell Socket) | |
| TM-QFN-0804 | 8 pin QFN (4mm x 4mm, Thickness 0.6mm, Pitch 0.8mm) adapter modules for SPI NOR Flash (Open-Top Socket) | |
| TM-S064J-56F | 56 pin FBGA (7mm x 9mm, Pitch 0.8mm) adapter modules for Spansion S71PL064JAO (Open-Top Socket) | 7mm x 9mm Pitch=0.8mm |
| TM-S064J-56FC | 56 pin FBGA (7mm x 9mm, Pitch 0.8mm) adapter modules for Spansion S71PL064JAO (Clam-Shell Socket) | 7mm x 9mm Pitch=0.8mm |
| TM-S064N-64E | 64 pin EBGA (9mm x 9mm, Pitch 1.0mm) adapter modules for Spansion S29GL032(064)N / S29AL008(016)J / S29GL512(01G)S (LAE064) (Open-Top Socket) | 9mm x 9mm Pitch=1.0mm |
| TM-S127J-56TS | 56 pin TSOP (14mm x 20mm, Pitch 0.5mm) adapter modules for Spansion S29PL127J/129J (Open-Top Socket) | |
| TM-S128R-68WF | 56 (68) pin WFBGA (6.2mm x 7.7mm, Pitch 0.5mm) adapter modules for Spansion S71VS128RC0ZHK200 (NLD056) / EON EN71NS128B0 (Open-Top Socket) | 6.2mm x 7.7mm Pitch=0.5mm |
| TM-S254J-84F | 84 pin FBGA (8mm x 11.6mm, Pitch 0.8mm) adapter modules for Spansion S71PL254J (Open-Top Socket) | 8mm x 11.6mm Pitch=0.8mm |
| TM-S512-64EK | 64 pin EBGA (11mm x 13mm, Pitch 1.0mm) adapter modules for Spansion S29GL512P10FFCR1 (LAA064) (Open-Top Socket) | 11mm x 13mm Pitch=1.0mm |
| TM-S512-64EP | 64 pin EBGA (11mm x 13mm, Pitch 1.0mm) Probe (Pogo-Pin) adapter modules for Spansion S29GL512P10FFCR1 (LAA064) (Open-Top Socket) | 11mm x 13mm Pitch=1.0mm |
| TM-S512P-128FS | 128 pin FSBGA (12mm x 12mm, Pitch 0.65mm) adapter modules for Spansion S72NS512PE0KFDGG/0 (Open-Top Socket) | 12mm x 12mm Pitch=0.65mm |

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| TM-S512P-133WF | 133 pin WFBGA (10mm x 11mm, Pitch 0.5mm) adapter modules for Spansion S72NS512PE0AJGLG (Clam-Shell Socket) | 10mm x 11mm Pitch=0.5mm |
| TM-SH1826-64F | 64 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for Sharp LRS1826 (Clam-Shell Socket) | 8mm x 11mm Pitch=0.8mm |
| TM-SL3208-64F | 64 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for SILICON7 SV4F16(32)xx / SST SST32HF64A2 (Open-Top Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-SL3208-64FC | 64 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for SILICON7 SV4F16(32)xx / SST SST32HF64A2 (Clam-Shell Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-SOIC-1601 | 16 pin SOIC (Body Width 150mil, Pitch 1.27mm) adapter modules for Macronix MX25L1605D (Open-Top Socket) | |
| TM-SOIC-2001 | 20 pin SOIC (Body Width 200mil, Pitch 1.27mm) adapter modules for SST 25VF016B (Open-Top Socket) | |
| TM-SOIC-2801 | 28 pin SOIC (Body Width 300mil, Pitch 1.27mm) adapter modules for Spansion S25FL128P / ST M25P128 / Macronix MX25L6405D / SST 25VF016B (Open-Top Socket) | |
| TM-SS00J-107F | 107 pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Samsung KAG00J007M (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |
| TM-SS1208-48F | 48 pin FBGA (8.5mm x 13mm, Pitch 0.8mm) adapter modules for Samsung K9F128R0B/R0C (Open-Top Socket) | 8.5mm x 13mm Pitch=0.8mm |
| TM-SS3281-64F | 64 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for Samsung K5A3281CTM (Open-Top Socket) | 8mm x 11mm Pitch=0.8mm |
| TM-SS5613-137F | 137 pin FBGA (10.5mm x 13mm, Pitch 0.8mm) adapter modules for Samsung K5D5613HCM-D090 (Open-Top Socket) | 10.5mm x 13mm Pitch=0.8mm |
| TM-SS5616-48F | 48 (63) pin FBGA (9mm x 11mm, Pitch 0.8mm) adapter modules for Samsung K9F5608U0C-HCB0 (Open-Top Socket) | 9mm x 11mm Pitch=0.8mm |
| TM-SS6433-52WF | 52 pin WFBGA (6mm x 6mm, Pitch 0.5mm) adapter modules for Samsung K5N2833ATB-AQ12 / K5N6433ATM-AD11 (Open-Top Socket) | 6mm x 6mm Pitch=0.5mm |
| TM-SST3284-80F | 80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for SST 34HF3284 (Clam-Shell Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-SST800-48F | 48 pin FBGA (6mm x 8mm, Pitch 0.8mm) adapter modules for SST 39LF800A (Open-Top Socket) | 6mm x 8mm Pitch=0.8mm |
| TM-ST01G-48F | 48 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter modules for ST NAND256W3A (Open-Top Socket) | 8mm x 10mm Pitch=0.8mm |
| TM-ST160-48VF | 48 pin VFBGA (6.37mm x 6.39mm, Pitch 0.75mm) adapter modules for ST M28W160BT/B (Open-Top Socket) | 6.37mm x 6.39mm Pitch=0.75mm |
| TM-ST16-24E | 24 pin EBGA (6mm x 8mm, Pitch 1.0mm, Matrix 5x5) adapter for Numonyx M25PX80/16/32/64 (Clam-Shell Socket) | 6mm x 8mm Pitch=1.0mm |
| TM-ST16-24EM | 24 pin EBGA (6mm x 8mm, Pitch 1.0mm, Matrix 5x5) adapter for Numonyx M25PX80/16/32/64 (MCS) (Open-Top Socket) | 6mm x 8mm Pitch=1.0mm |
| TM-T5782-60F | 60 pin FBGA (9mm x 12mm, Pitch 0.8mm) adapter modules for Toshiba TH50VPF5782/83AASB (Open-Top Socket) | 9mm x 12mm Pitch=0.8mm |
| TM-TC582G-48F | 48 pin FBGA (10mm x 13mm, Pitch 0.8mm) adapter modules for Toshiba TC58NVG1S3EBAI5 (Open-Top Socket) | 10mm x 13mm Pitch=0.8mm |
| TM-TC589S-48F | 48 (67) pin FBGA (6.5mm x 8mm, Pitch 0.8mm) adapter modules for Toshiba TC58NVM9S3EBAI6 (Open-Top Socket) | 6.5mm x 8mm Pitch=0.8mm |
| TM-TH5683-56F | 56 pin FBGA (7mm x 10mm, Pitch 0.8mm) adapter modules for Toshiba TV00560002(003)EDGB (Open-Top Socket) | 7mm x 10mm Pitch=0.8mm |

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| TM-TH584S-48F | 48 (63) pin FBGA (10mm x 11mm, Pitch 0.8mm) adapter modules for Toshiba TH58NVG4S0FBAID (Open-Top Socket) | 10mm x 11mm Pitch=0.8mm |
| TM-TYA0A1-107FC | 107 pin FBGA (9mm x 12mm, Pitch 0.8mm) adapter modules for Toshiba TY9A0A111171KC40 / TY8A0A111151KC40 (Clam-Shell Socket) | 9mm x 12mm Pitch=0.8mm |
| TM-TYA0A1-130S | 130 pin FSBGA (8mm x 9mm, Pitch 0.65mm) adapter modules for Toshiba TY9A0A111300KA40 (Open-Top Socket) | 8mm x 9mm Pitch=0.65mm |
| TM-UNIV-44PSO | 44 pin PSOP (Body Width 525mil, Pitch 1.27mm) universal adapter modules (Open-Top Socket) | |
| TM-UNIV-48TS | 48 pin TSOP (12mm x 20mm, Pitch 0.5mm) universal adapter modules for 48 pin TSOP Type I Package Flash chip (Open-Top Socket) | |
| TM-UNIV-48TS/W | 48 pin TSOP (12mm x 14mm, Pitch 0.5mm) universal adapter modules for 48 pin TSOP Type II Package Flash chip (Open-Top Socket) | |
| TM-UNIV-48WS | 48 pin WSOP (12mm x 17mm, Pitch 0.5mm) universal adapter modules for 48 pin WSOP Type I Package Flash chip (Open-Top Socket) | |
| TM-UNIV-56TS | 56 pin TSOP (14mm x 20mm, Pitch 0.5mm) universal adapter modules (Open-Top Socket) | |
| TM-W25N-8SON1 | 8 pin WSON (5mm x 6mm, Thickness 0.85mm, Pitch 1.27mm) adapter modules for SPI NAND Flash (Open-Top Socket) | |
| TM-WT128-64F-Y | 64 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter modules for WINBIZ W128F32S (YAMAICHI Socket) (Open-Top Socket) | 8mm x 11mm Pitch=0.8mm |