

MODULEs (AT3)

| IC Mfr. | MODULE Name | Optional TOP Name | IC Supported | Textool 板 Number | Textool Number | |
|------------------------------------|---------------------------------|-----------------------------|---|---|----------------|---------------|
| UNIVERSAL | M1-TEMPBOARD (A7101-0201-1) | No Need | Special MODULE. Please check R&D Dept. For ADAPTER. | No Need | No Need | |
| | AM1-UN-SOP-300 (P7101-8003) | No Need | 28-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin.(SOP-28,295mil) | M1380-0285533 | M3080-0285533 | |
| | | No Need | 24-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin.(SOP-24,295mil) | M1380-0285533 | M3080-0245531 | |
| | | No Need | 20-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin.(SOP-20,295mil) | M1380-0285533 | M3080-0205532 | |
| | | No Need | 18-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin.(SOP-18,295mil) | M1380-0285533 | M3080-0185531 | |
| | | No Need | 16-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin.(SOP-16,295mil) | M1380-0285533 | M3080-0165531 | |
| | AM1-UN-SOP-150 (P7101-8001) | No Need | 16-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports pin to pin.(SOP-16,154mil) | M1380-0165532 | M3080-0165532 | |
| | | No Need | 14-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports pin to pin.(SOP-14,154mil) | M1380-0165532 | M3080-0145531 | |
| | | No Need | 8-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports pin to pin.(SOP-8,154mil) | M1380-0165532 | M3080-0085531 | |
| | AM1-UN-SOP-209 (P7101-8006) | No Need | 20-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports pin to pin.(SOP-20,209mil) | M1380-0205531 | M3080-0205531 | |
| | | No Need | 16-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports pin to pin.(SOP-16,209mil) | M1380-0205531 | M3080-0165533 | |
| | | No Need | 14-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports pin to pin.(SOP-14,209mil) | M1380-0205531 | M3080-0145532 | |
| | | No Need | 8-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports pin to pin.(SOP-8,209mil) | M1380-0205531 | M3080-0085532 | |
| | AM1-UN-SOP-500 (P7101-8007) | No Need | 44-pin SOP(PITCH 1.27mm,13.3mm) socket. Supports ADM,MXIC,FUJITSU,SPANSION PSOP44 package | M1380-0445531 | M3080-0445531 | |
| | AM1-UN-SSOP-209 (P7101-8102) | No Need | 34-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports pin to pin.(SSOP-34,209mil) | M1381-0343531 | M3081-0343531 | |
| | | No Need | 28-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports pin to pin.(SSOP-28,209mil) | M1381-0343531 | M3081-0283531 | |
| | | No Need | 24-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports pin to pin.(SSOP-24,209mil) | M1381-0343531 | M3081-0243532 | |
| | | No Need | 20-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports pin to pin.(SSOP-20,209mil) | M1381-0343531 | M3081-0203531 | |
| | AM1-UN-SSOP-170 (P7101-8101) | No Need | 28-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports pin to pin.(SSOP-28,173mil) | M1381-0283532 | M3081-0283532 | |
| | | No Need | 20-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports pin to pin.(SSOP-20,173mil) | M1381-0283532 | M3081-0203533 | |
| | | No Need | 16-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports pin to pin.(SSOP-16,173mil) | M1381-0283532 | M3081-0163533 | |
| | | No Need | 14-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports pin to pin.(SSOP-14,173mil) | M1381-0283532 | M3081-0143532 | |
| | | No Need | 8-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports pin to pin.(SSOP-8,173mil) | M1381-0283532 | M3081-0083532 | |
| | UNIVERSAL | AM1-UN-BG68 (P7101-6102) | TOP-19B320-BG48 (P70W1-6101) | 48-pin BGA(PITCH 0.8mm,11x8mm,B:0.45mm,8x6 Grid) socket. Supports WINBOND W19B320SBB,W19B320STB,W19L320SBB,W19L320STB.(TFBG A-48) | No Need | M3061-0484531 |
| | | | TOP-29DL64DF-BG48 (P70A1-6107) | 48-pin BGA(PITCH 0.8mm,9x8mm,B:0.4mm,8x6 Grid) socket. Supports SPANSION MBM29DL64DF-PBT.(FBGA-48) | No Need | M3061-0484553 |
| | | | TOP-29F160-BG48 (P70A1-6102) | 48-pin BGA(PITCH 0.8mm,9x8mm,B:0.3mm,8x6 Grid) socket. Supports AMD,FUJITSU,HYNIX,SPANSION 29DL161/162/163/164,29LV160/320,STM 29W160.(FBGA-48) | No Need | M3061-0484543 |
| | | | TOP-29F320-BG48 (P70A1-6103) | 48-pin BGA(PITCH 0.8mm,12x6mm,B:0.3mm,8x6 Grid) socket. Supports AMD,SPANSION 29DL323GB/GT,29LV320DB/DT.(FBGA-48) | No Need | M3061-0484544 |
| | | | TOP-49B1614A-BG48 (P70A2-6101) | 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.35-0.55mm,8x6 Grid) socket. Supports AMD,FUJITSU,MXIC,SPANSION 29LV160/400/800; AMIC 29L800; ATMEL 49BV1614- F0N FN29L V400- SST | No Need | M3061-0484511 |
| | | | TOP-49BV322A-BG48 (P70A2-6102) | 48-pin BGA(PITCH 0.8mm,10x7mm,B:0.4mm,8x6 Grid) socket. Supports ATMEL AT49BV322AT-C.(CBGA-48) | No Need | M3061-0484549 |
| | | | TOP-AM29LV065D-BG63 (P70A1-6110) | 48-pin BGA(PITCH 0.8mm,12x11mm,B:0.3mm,8x6 Grid) socket. Supports SPANSION AM29LV065DU-WH.(FBGA-63) | No Need | M3061-0484524 |
| | | | TOP-K8D1616-BG48 (P70S0-6103) | 48-pin BGA(PITCH 0.8mm,8.5x6mm,B:0.45mm,8x6 Grid) socket. Supports SAMSUNG K8D1616UBA/UTA,K8D1616UBB/UTB.(TBGA-48) | No Need | M3061-0484521 |
| | | | TOP-K8D6316-BG48 (P70S0-6101) | 48-pin BGA(PITCH 0.8mm,9x6mm,B:0.45mm,8x6 Grid) socket. Supports AMD,SPANSION AM29DL800BB/BT,AM29LV800B/BB/BT/T; FUJITSU,SPANSION MBM29DL32BF,MBM29LV800BA/TA; SAMSUNG K8D6316UBM/UTM,K8D6316UBB/UTB,K8D3216UBB/UTB; | No Need | M3061-0484522 |
| TOP-M29DW32X-BG63 (P70S5-6102) | | | 48-pin BGA(PITCH 0.8mm,11x7mm,B:0.45mm,8x6 Grid) socket. Supports STM M29DW640D-ZA.(TBGA-63) | No Need | M3061-0484523 | |
| TOP-MX29LV320-BG48 (P70M0-6101) | | | 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.4mm,8x6 Grid) socket. Supports MXIC MX29LV160AB/ATXB,MX29LV320AB/ATXB,MX29LV400B/TX B,MX29LV800AB/TXB; SPANSION AM29LV160MB/MT-WA.(CSP/FBGA-48) | No Need | M3061-0484551 | |
| TOP-S29GL064A-BG48 (P70A1-6111) | | | 48-pin BGA(PITCH 0.8mm,10x6mm,B:0.4mm,8x6 Grid) socket. Supports SPANSION S29GL064A-BF-R4.(FBGA-48) | No Need | M3061-048454B | |
| TOP-S29PL064J-BG48 (P70A1-6105) | | | 48-pin BGA(PITCH 0.8mm,8.15x6.15mm,B:0.38mm,8x6 Grid) socket. Supports SPANSION S29PL032JxxBA-L2,S29PL032JxxBF- | No Need | M3061-048454A | |
| TOP-28F128K3-BG64 (P70I0-6101) | | | 64-pin BGA(PITCH 1.0mm,13x10mm,B:0.43mm,8x8 Grid) socket. Supports INTEL,MICRON 28F128/160/320/640/800; STM 30LW128,38LW032/064.(EBGA-64) | No Need | M3061-0645051 | |
| TOP-28F128P3-BG64 (P70I0-6110) | | | 64-pin BGA(PITCH 1.0mm,10x8mm,B:0.43mm,8x8 Grid) socket. Supports INTEL PC28F128P3T,PC28F128P3B.(EBGA-64) | No Need | M3061-0645053 | |
| TOP-28F256K3-BG64 (P70I0-6106) | | | 64-pin BGA(PITCH 1.0mm,15x10mm,B:0.43mm,8x8 Grid) socket. Supports INTEL RC28F256K3.(64-pin EBGA) | No Need | M3061-0645052 | |
| TOP-S29GLXXN-BG64 (P70A1-6109) | | | 64-pin BGA(PITCH 1.0mm,13x11mm,B:0.6mm,8x8 Grid) socket. Supports SPANSION S29GL064A-FA-R1/R2/R3/R4/R5.(BGA-64) | No Need | M3061-0645041 | |
| TOP-28F160A-BG48 (P70I0-6102) | | | 48-pin BGA(PITCH 0.75mm,7.28x6.964mm,B:0.35mm,8x6 Grid) socket. Supports INTEL GE28F160B3/C3,GE28F320B3/C3,GT28F016B3/C3,GT28F160B3/C3.(uBGA-48) | No Need | M3061-0484051 | |
| TOP-M28W320-BG48 (P70S5-6101) | | | 48-pin BGA(PITCH 0.75mm,6.39x6.37mm,B:0.4mm,8x6 Grid) socket. | No Need | M3061-0484041 | |

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|---------|------------------------------|-------------------------------------|---|----------------|----------------|
| | | TOP-28F256L18-BG79 (P7010-6107) | 63-pin BGA(PITCH 0.75mm,11x9mm,B:0.375mm,9x7 Grid) socket. Supports INTEL_GE28F256L18,(VFPGA-79) | No Need | M3061-0634052 |
| | | TOP-GE28F256-BG79 (P7010-6105) | 63-pin BGA(PITCH 0.75mm,14.5x9mm,B:0.375mm,9x7 Grid) socket. | No Need | M3061-0634051 |
| | | TOP-36VF160-BG48 (P70S2-6101) | 72-pin BGA(PITCH 0.8mm,10x8mm,B:0.4mm,12x8 Grid) socket. Supports SST SST36VF1601/1602,SST39LF400A/800A,SST39VF160/400A/800A (TFBGA-48) | No Need | M3061-0724551 |
| | | TOP-69LW3241-BG66 (P70M0-6102) | 64-pin BGA(PITCH 0.8mm,11x8mm,B:0.45mm,8x8 Grid) socket. Supports ATMEL AT49BV321-C(CBGA-48); MXIC MX69LW1641TXB/BXB,MX69LW3241ATXB/ABXB (CSP-66) | No Need | M3061-0644551 |
| | | TOP-KI03204-BG66 (P70M7-6101) | 72-pin BGA(PITCH 0.8mm,12x8mm,B:0.4mm,12x8 Grid) socket. Supports MEMOCOM KI03204AT KI03204AB (TFBGA-66) | No Need | M3061-0724552 |
| | | TOP-XPLA3-CS48 (P70X0-6101) | 49-pin BGA(PITCH 0.8mm,7x7mm,B:0.5mm,7x7 Grid) socket. Supports XILINX_XCR3032XL,XCR3064XL (CSP-48) | No Need | M3061-0494521 |
| | | TOP-41DL1644-BG69 (P70A1-6101) | 56-pin BGA(PITCH 0.8mm,11.6x8mm,B:0.3mm,8x8 Grid) socket. Supports AMD,SPANSION 41DL1634DT,41DL1644DB,41DL3224GB/GT,41DL3244GB/GT,42DL640AG (FBGA-69) | No Need | M3061-0564521 |
| | | TOP-K5A3240-BG69 (P70S0-6104) | 56-pin BGA(PITCH 0.8mm,11x8mm,B:0.45mm,8x8 Grid) socket. Supports FUJITSU,SPANSION MB84VD21194DA; MXIC MX69LW1641T; SAMSUNG K5A3240YBA/YBB/YTA (TFBGA-69) | No Need | M3061-0564551 |
| | | TOP-KADXX0300-BG69 (P70S0-6107) | 56-pin BGA(PITCH 0.8mm,8x11.6mm,B:0.45mm,8x8 Grid) socket. Supports SAMSUNG KAD070300A-T (BGA-69) | No Need | M3061-0564522 |
| | | TOP-S71PL064J-BG56 (P70A1-6106) | 56-pin BGA(PITCH 0.8mm,9x7mm,B:0.4mm,8x8 Grid) socket. Supports SPANSION S71PL0161,S71PL032J,S71PL064J (FBGA-69) | No Need | M3061-0564541 |
| | | TOP-S71PL127J-BG64 (P70A1-6104) | 60-pin BGA(PITCH 0.8mm,11.6x8mm,B:0.4mm,10x8 Grid) socket. Supports SPANSION S71PL127J,S71PL127N (FBGA-64) | No Need | M3061-0604542 |
| | | TOP-49BV640D-BG48 (P70A2-6104) | 48-pin BGA(PITCH 0.75mm,7x10mm,B:0.35mm,8x6 Grid) socket. Supports ATMEL AT49BV640D-CU (CBGA-48) | No Need | M3061-0484023 |
| | | TOP-ATMEGA324-ML44 (P70A2-2103) | 44-pin QFN(PITCH 0.5mm,7x7mm,Array:11 on 4 + 1) socket. Supports ATMEL ATMEGA164PV,ATMEGA324P (MLF-44) | No Need | M3021-04415B1 |
| | | TOP-ATMEGA324P-BG49 | 49-pin BGA(PITCH 0.65mm,5x5mm,B:0.35mm,7x7 Grid) socket. Supports ATMEL ATMEGA324P (VFPGA-49) | No Need | M3061-0493541 |
| | | TOP-AVR-ML28 (P70A2-2102) | 28-pin QFN(PITCH 0.45mm,4x4mm,Array:7 on 4 + 1) socket. Supports ATMEL ATMEGA48,ATMEGA48V (MLF-28) | No Need | M3021-02812B1 |
| | | TOP-AVR-ML32 (P70A2-2101) | 32-pin QFN(PITCH 0.5mm,5x5mm,Array:8 on 4 + 1) socket. Supports ATMEL ATMEGA168,ATMEGA48,ATMEGA88 (MLF-32); HOLTEK HT82K68E (QFN-32) | No Need | M3021-0321521 |
| | | TOP-AVR-ML44 (P70A2-2104) | 44-pin QFN(PITCH 0.5mm,7x7mm,Array:11 on 4 + 1) socket. Supports ATMEL ATMEGA162 (MLF-44) | No Need | M3021-04415B1 |
| | | TOP-GE28F128-BG56 (P7010-6103) | 56-pin BGA(PITCH 0.75mm,11x9mm,B:0.375mm,8x7 Grid) socket. Supports INTEL_GE28F128K18C (VFPGA-56) | No Need | M3061-0564052 |
| | | TOP-GE28F128W3-BG56 (P7010-6104) | 56-pin BGA(PITCH 0.75mm,12.5x12mm,B:0.35mm,8x7 Grid) socket. | No Need | M3061-0564051 |
| | | TOP-PH28F128-BG56 (P7010-6109) | 56-pin BGA(PITCH 0.75mm,7.7x9mm,B:0.35mm,8x7 Grid) socket. Supports INTEL_PH28F128L18B (VFPGA-56) | No Need | M3061-0564053 |
| | | TOP-JZ48FXXX-BG88 (P7010-6111) | 80-pin BGA(PITCH 0.8mm,11x8mm,B:0.375mm,10x8 Grid) socket. Supports NUMONYX JZ48F400J0YBQ0 (SCSP-88) | No Need | M3061-0804521 |
| | | TOP-PF38FXXX-BG88 (P7010-6108) | 96-pin BGA(PITCH 0.8mm,10x8mm,B:0.4mm,12x8 Grid) socket. Supports INTEL_PF38F2030W0YTOE,PF38F2040W0YTO0 (SCSP-96) | No Need | M3061-0964552 |
| | | TOP-K8P2815-BG80 (P70S0-6109) | 64-pin BGA(PITCH 0.8mm,11x8mm,B:0.4mm,8x8 Grid) socket. Supports SAMSUNG K8P2815UQB-D (FBGA-80) | No Need | M3061-0644542 |
| | | TOP-LFXP2-BG132 (P70L1-6101) | 132-pin BGA(PITCH 0.5mm,8x8mm,B:0.3mm,14x14 Grid) socket. Supports LATTICE_LFXP2-5E,LFXP2-8E (csFBGA-132) | No Need | M3061-1321541 |
| | | TOP-S29WS512P-BG84 (P70A1-6112) | 80-pin BGA(PITCH 0.8mm,11.6x8mm,B:0.4mm,10x8 Grid) socket. Supports SPANSION S29WS512P-BF-00 (FBGA-84) | No Need | M3061-0804541 |
| | | TOP-S71PL254J-BG84 (P70A1-6108) | 80-pin BGA(PITCH 0.8mm,11.6x8mm,B:0.4mm,10x8 Grid) socket. Supports SPANSION S71PL254JxxBF (FBGA-84) | No Need | M3061-0804541 |
| | | TOP-UN-QN48 (P7001-2101) | 48-pin QFN(PITCH 0.5mm,7x7mm,Array:12 on 4 + 1) socket. Supports pin to pin (QFN-48) | No Need | M3021-0481522 |
| | AMI-UN-BG68A (P7101-6104) | TOP-49B1614A-BG48A (P70A2-6105) | 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.35-0.55mm,8x6 Grid) socket. Supports AMD,FUJITSU,MXIC,SPANSION 29LV160/400/800; AMIC 29L800; ATMEL 49BV1614A; FON EN29LV400; SST | No Need | M3061-0484511 |
| | | TOP-MX29LV320-BG48A (P70M0-6103) | 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.4mm,8x6 Grid) socket. Supports MXIC MX29LV160AB/ATXB,MX29LV320AB/ATXB,MX29LV400B/TXB,MX29LV800AB/TXB; SPANSION AM29LV160MB/MT- | No Need | M3061-0484551 |
| | | TOP-S29PL064J-BG48A (P70A1-6113) | 48-pin BGA(PITCH 0.8mm,8.15x6.15mm,B:0.38mm,8x6 Grid) socket. Supports SPANSION S29PL032LxxBA-12,S29PL032LxxBF- | No Need | M3061-048454A |
| | AMI-UN-DP32 (P7101-1003) | No Need | 32-pin DIP socket. Supports pin to pin (DIP-8 - DIP-32) | No Need | M3010-03275F1 |
| | AMI-UN-LQ48 (P7101-7007) | No Need | 48-pin QFP(PITCH 0.5mm,7x7mm) socket. Supports pin to pin (QFP-48) | M1370-0481531 | M3070-0481531 |
| | AMI-UN-ML16 (P7101-2110) | No Need | 16-pin QFN(PITCH 0.5mm,3x3mm,Array:4 on 4) socket. Supports pin to pin (MLF/QFN-16) | No Need | M3021-0161521 |
| | AMI-UN-ML20 (P7101-2102) | No Need | 20-pin QFN(PITCH 0.5mm,4x4mm,Array:5 on 4 + 1) socket. Supports pin to pin (MLF/QFN-20) | No Need | M3021-02015B2 |
| | AMI-UN-ML40 (P7101-2105) | No Need | 40-pin QFN(PITCH 0.5mm,6x6mm,Array:10 on 4 + 1) socket. Supports pin to pin (MLF/QFN-40) | No Need | M3021-04015B1 |
| | AMI-UN-ML64 (P7101-2108) | No Need | 64-pin QFN(PITCH 0.5mm,9x9mm,Array:16 on 4 + 1) socket. Supports pin to pin (MLF/QFN-64) | No Need | M3021-0641521 |
| | AMI-UN-QF32 (P7101-7004) | No Need | 32-pin QFP(PITCH 0.8mm,7x7mm) socket. Supports pin to pin (QFP-32) | M1370-0324531 | M3070-0324531 |
| | AMI-UN-QN28 (P7101-2106) | No Need | 28-pin QFN(PITCH 0.5mm,5x5mm,Array:7 on 4 + 1) socket. Supports pin to pin (MLF/QFN-28) | No Need | M3021-02815B2 |
| | AMI-UN-SN8 (P7101-2201) | No Need | Special MODULE. Please check R&D Dept. 8-pin SON(PITCH 1.27mm,6x8mm,Array:4 on 2) socket. Supports pin to pin (SON-8) | No Need | M3022-0085501 |
| | AMI-UN-SO28 (P7101-8005) | No Need | 28-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports pin to pin (SOP-28) | M1380-0285533 | M3080-0285533 |
| | AMI-UN-SS34 (P7101-8106) | No Need | 34-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports pin to pin (SSOP-34) | M1381-0343531 | M3081-0343531 |
| | AMI-UN-SS48 (P7101-8105) | No Need | 48-pin SOP(PITCH 0.635mm,7.5mm) socket. Supports pin to pin (SSOP-48) | M1381-0483031 | M3081-0483031 |
| | AMI-UN-TQ64 (P7101-7008) | No Need | 64-pin QFP(PITCH 0.5mm,10x10mm) socket. Supports pin to pin (QFP-64) | M1370-0641533 | M3070-0641533 |
| | AMI-UN-TS48 (P7101-8203) | No Need | 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports pin to pin (TSOP-48) | M1382-0481521 | M3082-0481521 |
| | AMI-UN-TS48A (P7101-8206) | No Need | 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports pin to pin (TSOP-48) | M1382-0481531 | M3082-0481532 |

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|---------------------------------|--|---|--|---|----------------|
| | AM1-UN-TS56 (P7101-8204) *ALL-100-PIN CARD (P1411-0001) | No Need | 56-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports pin to pin.(TSOP-56) | M1382-0561521 | M3082-0561521 |
| EPROM/FLASH (32 pin-88 pin) | AM4-FLASH-BG48 (P7221-6103) | TOP-19B320-BG48 (P70W1-6101) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,11x8mm,B:0.45mm,8x6 Grid) socket. Supports WINBOND W19B320SBB W19B320STR W19L 320SBB W19L 320STR (TFBG) | No Need | M3061-0484531 |
| | | TOP-29DL64DF-BG48 (P70A1-6107) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,9x8mm,B:0.4mm,8x6 Grid) socket. Supports SPANSION MBM29DL64DF-PBT.(FBGA-48) | No Need | M3061-0484553 |
| | | TOP-29F160-BG48 (P70A1-6102) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,9x8mm,B:0.3mm,8x6 Grid) socket. Supports AMD,FUJITSU,HYNIX,SPANSION 29DL16L162/163/164,29L V160/320-STM 29W160.(FBGA-48) | No Need | M3061-0484543 |
| | | TOP-29F320-BG48 (P70A1-6103) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,12x6mm,B:0.3mm,8x6 Grid) socket. Supports AMD,SPANSION | No Need | M3061-0484544 |
| | | TOP-49B1614A-BG48 (P70A2-6101) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.35-0.55mm,8x6 Grid) socket. Supports AMD,FUJITSU,MXIC,SPANSION 29LV160/400/800; AMIC 29L 800- ATMEL 49BV1614- FON EN29L V400- SST | No Need | M3061-0484511 |
| | | TOP-49BV322A-BG48 (P70A2-6102) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,10x7mm,B:0.4mm,8x6 Grid) socket. Supports ATMEL AT49BV322A-T.C.(CRGA-48) | No Need | M3061-0484549 |
| | | TOP-AM29LV065D-BG63 (P70A1-6110) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,12x11mm,B:0.3mm,8x6 Grid) socket. Supports SPANSION AM29LV065DL-WH.(FBGA-63) | No Need | M3061-0484524 |
| | | TOP-K8D1616-BG48 (P70S0-6103) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,8.5x6mm,B:0.45mm,8x6 Grid) socket. Supports SAMSUNG | No Need | M3061-0484521 |
| | | TOP-K8D6316-BG48 (P70S0-6101) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,9x6mm,B:0.45mm,8x6 Grid) socket. Supports AMD,SPANSION AM29DL800BB/BT,AM29LV800B/BB/BT/T; FUJITSU,SPANSION MBM29DL32BF,MBM29LV800BA/TA; SAMSUNG | No Need | M3061-0484522 |
| | | TOP-M29DW32X-BG63 (P70S5-6102) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,11x7mm,B:0.45mm,8x6 Grid) socket. Supports STM M29DW640D-ZA.(TBGA-63) | No Need | M3061-0484523 |
| | | TOP-MX29LV320-BG48 (P70M0-6101) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,8x6mm,B:0.4mm,8x6 Grid) socket. Supports MXIC MX29LV160AB/ATXB,MX29LV320AB/ATXB,MX29LV400B/TX B,MX29LV800AB/TXB- SPANSION AM29LV160MB/MT- | No Need | M3061-0484551 |
| | | TOP-S29GL064A-BG48 (P70A1-6111) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,10x6mm,B:0.4mm,8x6 Grid) socket. Supports SPANSION S29GL064A-BF-R4.(FBGA-48) | No Need | M3061-048454B |
| | | TOP-S29PL064J-BG48 (P70A1-6105) | Gang MODULE,Need option TOP(4pcs). 48-pin BGA(PITCH 0.8mm,8.15x6.15mm,B:0.38mm,8x6 Grid) socket. Supports SPANSION S29PL0321xxBA-12,S29PL0321xxBF- | No Need | M3061-048454A |
| | | AM4-FLASH-PL32 (P7221-3001) | No Need | 4 gang sockets. 32-pin PLCC socket. Supports E(E)PROM/FLASH/LPC/FWH PLCC32 package ICs.(PLCC-32) | M1330-0325531 |
| AM4-FLASH-TS40 (P7221-8205) | No Need | 4 gang sockets. 40-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports FLASH MEMORY 40-pin IC (WORD-WIDE).(TSOP-40) | M1382-0401521 | M3082-0401521 | |
| AM4-FLASH-TS48 (P7221-8201) | No Need | 4 gang sockets. 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports FLASH MEMORY 48-pin IC (WORD-WIDE).(TSOP-48) | M1382-0481521 | M3082-0481521 | |
| AM6-FLASH-TS32N (P7421-8202) | No Need | 6 gang sockets. 32-pin SOP(PITCH 0.5mm,12.4mm) socket. Supports FLASH/LPC/FWH TSOP32 package ICs.(TSOP- | M1382-0321523 | M3082-0321523 | |
| AM6-FLASH-TS32W (P7421-8204) | No Need | 6 gang sockets. 32-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports FLASH/LPC/FWH TSOP32 package ICs.(TSOP- | M1382-0321521 | M3082-0321521 | |
| AM8-FLASH-PL32 (P7321-3001) | No Need | 8 gang sockets. 32-pin PLCC socket. Supports E(E)PROM/FLASH/LPC/FWH PLCC32 package ICs.(PLCC-32) | M1330-0325531 | M3030-0325531 | |
| AM8-FLASH-TS48 (P7321-8202) | No Need | 8 gang sockets. 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports FLASH MEMORY 48-pin IC (WORD-WIDE).(TSOP-48) | M1382-0481521 | M3082-0481521 | |
| AM8-FLASH-TS48B (P7321-8208) | No Need | 8 gang sockets. 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports FLASH MEMORY 48-pin IC (WORD-WIDE).(TSOP-48) | M1382-0481531 | M3082-0481532 | |
| AM8-FLASH-TS56 (P7321-8204) | No Need | 8 gang sockets. 56-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports INTEL 28F128J3A/J3C/J5,28F320J3A/J3C/J5,28F640J3A/J3C/J5,28F016S A/SV,28F032SA.(TSOP-56) | M1382-0561521 | M3082-0561521 | |
| AM8-FLASH-TS56A (P7321-8211) | No Need | Special MODULE. Please check R&D Dept. 8 gang sockets. 56-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports INTEL 28F128J3A/J3C/J5,28F320J3A/J3C/J5,28F640J3A/J3C/J5,28F016S | M1382-0561541 | M3082-0561541 | |
| NAND | AM4-NAND-TS48A (P7221-8210) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports NAND device 48-pin IC; SAMSUNG K9WAG08U1A.(TSOP-48) | M1382-0481531 | M3082-0481532 |
| | AM4-NAND-TS48C (P7221-8211) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 48-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports NAND device 48-pin IC; SAMSUNG K9WAG08U1A.(TSOP-48) | M1382-0481521 | M3082-0481521 |
| Serial EEPROM | AM4-SEEP-DP8 (P7213-1003) | No Need | 4 gang sockets. 32-pin DIP socket. Supports SERIAL EEPROM.(DIP-8) | No Need | M3010-03275F1 |

MODULEs (AT3)

| IC Mfr. | MODULE Name | Optional TOP Name | IC Supported | Textool Number | Textool Number |
|-----------------------------------|--------------------------------------|--|--|----------------|----------------|
| | AM4-SEEP-DP8B (P7213-1004) | No Need | 4 gang sockets. 24-pin DIP socket. Supports SERIAL EEPROM.(DIP-8) | No Need | M3010-02475F1 |
| | AM4-SEEP-SN8A (P7213-2204) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 8-pin SON(PITCH 0.5mm,2x3mm,Array:4 on 2 + 1) socket. Supports MXIC MX251 1005(USON8) | M1322-00815H1 | M3022-00815H1 |
| | AM4-SEEP-SN8A1 (P7213-2202) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 8-pin SON(PITCH 0.5mm,2x3mm,Array:4 on 2 + 1) socket. Supports MXIC MX251 1005(USON8)- ACE ACE24I C02(TDFN8) | M1322-00815H1 | M3022-00815H3 |
| | AM4-SEEP-SN8A2 (P7213-2203) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 8-pin SON(PITCH 0.5mm,2x3mm,Array:4 on 2 + 1) socket. Supports ROHM BR24S32(VSON008X2030)- ATMAI | M1322-00815H1 | M3022-00815H2 |
| | AM4-SEEP-SO16 (P7213-8006) | No Need | 4 gang sockets. 16-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports SERIAL EEPROM.(SOP-16) | M1380-0165532 | M3080-0165532 |
| No Need | | 4 gang sockets. 14-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports SERIAL EEPROM.(SOP-14) | M1380-0165532 | M3080-0145531 | |
| No Need | | 4 gang sockets. 8-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports SERIAL EEPROM.(SOP-8) | M1380-0165532 | M3080-0085531 | |
| | AM4-SEEP-SO8A (P7213-8004) | No Need | 4 gang sockets. 8-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports SERIAL EEPROM: MICROCHIP PIC12C509A.(SOP-8) | M1380-0205531 | M3080-0085532 |
| | AM4-SEEP-SS8 (P7213-8102) | No Need | 4 gang sockets. 8-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports SERIAL EEPROM.(SSOP-8.173mil) | M1381-0283532 | M3081-0083532 |
| | AM6-SEEP-SN8 (P7413-2202) | No Need | 6 gang sockets. 8-pin SON(PITCH 1.27mm,5x6mm,Array:4 on 2 + 1) socket. Supports SERIAL EEPROM.(SON-8) | No Need | M3022-00855B2 |
| | AM6-SEEP-SN8A (P7413-2204) | No Need | 6 gang sockets. 8-pin SON(PITCH 1.3mm,6x8mm,Array:4 on 2 + 1) socket. Supports SERIAL EEPROM.(SON-8) | No Need | M3022-00855B3 |
| ALTERA | AM1-3064A-TQ100 (P71A0-7001) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports ALTERA EPM3064AATC100,EPM3128ATC100,EPM7064AETC100,EPM7128AETC100,EPM7128BETC100.(TOFP-100) | M1370-1001531 | M3070-1001531 |
| | AM1-7064AE-TQ44 (P71A0-7002) | No Need | 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports ALTERA EPM3032ATC44,EPM3064ATC44,EPM7064AETC44.(QFP-44) | M1370-0444531 | M3070-0444531 |
| ATMEL | AM1-AVR8535-ML44 (P71A2-2101) | No Need | Special MODULE. Please check R&D Dept. 44-pin QFN(PITCH 0.5mm,7x7mm,Array:11 on 4) socket. Supports ATMEL ATMEGA8535,ATMEGA8535L.(MLF-44) | No Need | M3021-0441501 |
| | AM1-AVR-QF44 (P71A2-7002) | No Need | 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports ATMEL ATMEGA16/L; FREESCALE.MOTOROLA MC56F8025,MC9S08AW16/32/48/60CFGE; LATTICE ispLSI2032E/V/VE,ispLSI2064V/VE; XILINX | M1370-0444531 | M3070-0444531 |
| | AM4-AVR-QF44 (P72A2-7002) | No Need | 4 gang sockets. 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports ATMEL ATMEGA32.(QFP-44) | M1370-0444531 | M3070-0444531 |
| AUO | AM8-AUO12301-QF64 (P73A9-7002) | No Need | Special MODULE. Please check R&D Dept. 8 gang sockets. 64-pin QFP(PITCH 0.4mm,7x7mm) socket. Supports AUO AUO12301 K2.(QFP-64) | M1370-0641031 | M3070-0641031 |
| A-MEN | AM4-SIM64368-QN16 (P72A7-2102) | No Need | 4 gang sockets. 16-pin QFN(PITCH 0.65mm,4x4mm,Array:4 on 4 + 1) socket. Supports A-MEN SIM64368.(QFN-16) | No Need | M3021-01635B1 |
| CYPRESS | AM1-CY63100-SO24 (P71C1-8001) | No Need | 24-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports CYPRESS CY7C63000/A,CY7C63001/A,CY7C63100/A,CY7C63101/A.(24-pin SOP) | M1380-0285533 | M3080-0245531 |
| No Need | | 20-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports CYPRESS CY7C63000/A,CY7C63001/A,CY7C63100/A,CY7C63101/A.(20-pin SOP) | M1380-0285533 | M3080-0205532 | |
| No Need | | 32-pin SOP(PITCH 1.27mm,11.25mm) socket. Supports CYPRESS CY7C53120E2,CY7C53120E4.(32-pin SOP) | M1380-0325531 | M3080-0325531 | |
| No Need | | 16-pin QFN(PITCH 0.5mm,3x3mm,Array:4 on 4) socket. Supports CYPRESS CY8C20234-12L KXIL.(QFN-16) | No Need | M3021-0161521 | |
| No Need | | 24-pin QFN(PITCH 0.5mm,4x4mm,Array:6 on 4) socket. Supports CYPRESS CY8C20334-12L KXIL.(QFN-24) | No Need | M3021-0241521 | |
| | AM1-CY8C2XXX-ML32B (P71C1-2109) | No Need | 32-pin QFN(PITCH 0.5mm,5x5mm,Array:8 on 4 + 1) socket. Supports CYPRESS CY8C20424-12L KXIL,CY8C20434-12L KXIL,CY8C21434-24L KXIL.(QFN-32) | No Need | M3021-0321523 |
| FUJITSU | AM1-MB90F347-LQ100 (P71F0-7004) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports FUJITSU MB90F347.(LQFP-100) | M1370-1001531 | M3070-1001531 |
| | AM1-MB90F347-QF100 (P71F0-7102) | No Need | 100-pin QFP(PITCH 0.65mm,14x20mm) socket. Supports FUJITSU MB90F947,MB90E347.(QFP-100) | M1371-1003531 | M3071-1003531 |
| | AM1-MB90F543GS-QF100 (P71F0-7002) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports FUJITSU MB90F543GS.(QFP-100) | M1370-1001531 | M3070-1001531 |
| INTEL | AM4-RC28FXXX-BG64 (P7210-6104) | TOP-28F128K3-BG64 (P7010-6101) | Gang MODULE,Need option TOP(4pcs). 64-pin BGA(PITCH 1.0mm,13x10mm,B:0.43mm,8x8 Grid) socket. Supports INTEL RC28F12813C,RC28F128K3C.(FBGA-64) | No Need | M3061-0645051 |
| TOP-28F128P3-BG64 (P7010-6110) | | Gang MODULE,Need option TOP(4pcs). 64-pin BGA(PITCH 1.0mm,10x8mm,B:0.43mm,8x8 Grid) socket. Supports INTEL PC28F128P33T,PC28F128P33B.(FBGA-64) | No Need | M3061-0645053 | |
| TOP-28F256K3-BG64 (P7010-6106) | | Gang MODULE,Need option TOP(4pcs). 64-pin BGA(PITCH 1.0mm,15x10mm,B:0.43mm,8x8 Grid) socket. Supports INTEL RC28E256K3.(64-pin FBGA) | No Need | M3061-0645052 | |
| | AM8-28F256P-TS56 (P7310-8202) | No Need | 8 gang sockets. 56-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports INTEL JS28E256P30B.(TSOP-56) | M1382-0561521 | M3082-0561521 |
| LATTICE | AM1-MACH4000-TQ100 (P71L1-7002) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports LATTICE LC4064B/C/V/ZC1,C4128B/C/V/ZC1,C4256B/V.(TOFP-100) | M1370-1001531 | M3070-1001531 |
| MAXIM (DALLAS) | AM4-MAX9669-QN28 (P72D0-2102) | No Need | 4 gang sockets. 28-pin QFN(PITCH 0.5mm,5x5mm,Array:7 on 4 + 1) socket. Supports DALLAS MAXIM MAX9669.(QFN-28) | No Need | M3021-02815B2 |
| MICROCHIP | AM1-18F25110-SS28 (P71M1-8101) | No Need | 28-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports MICROCHIP PIC18F25110.(SSOP-28) | M1381-0343531 | M3081-0283531 |

MODULEs (AT3)

| IC Mfr. | MODULE Name | Optional TOP Name | IC Supported | Textool Number | Textool Number |
|--------------------------------------|---------------------------------------|-------------------|---|----------------|----------------|
| | AM1-PIC16C5X-SO28 (P71M1-8001) | No Need | 28-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports MICROCHIP PIC16C54C.(SOP-28) | M1380-0285533 | M3080-0285533 |
| | AM1-PICS-ML28 (P71M1-2101) | No Need | Special MODULE. Please check R&D Dept. 28-pin QFN(PITCH 0.65mm,6x6mm,Array:7 on 4) socket. Supports MICROCHIP PIC series.(MLF/OFN-28) | No Need | M3021-0283501 |
| | AM4-PICS-SO20 (P72M1-8004) | No Need | 4 gang sockets. 20-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports MICROCHIP PIC series.(SOP-18/20) | M1380-0285533 | M3080-0205532 |
| | AM4-PICS-SO28 (P72M1-8003) | No Need | 4 gang sockets. 28-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports MICROCHIP PIC series.(SOP-28) | M1380-0285533 | M3080-0285533 |
| | AM4-PICS-SS28 (P72M1-8104) | No Need | 4 gang sockets. 28-pin SOP(PITCH 0.65mm,5.3mm) socket. Supports MICROCHIP PIC series.(SSOP-28) | M1381-0343531 | M3081-0283531 |
| MOTOROLA (FREESCALE) | AM1-68HC908JK3-SO20 (P71M2-8004) | No Need | 20-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports FREESCALE,MOTOROLA MC68HC908K3,MC68HC908K1.(SOP-20) | M1380-0285533 | M3080-0205532 |
| | AM1-68HC908JL3-SO28 (P71M2-8003) | No Need | 28-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports FREESCALE,MOTOROLA MC68HC908JL3,MC68HC908JL3E.(SOP-28) | M1380-0285533 | M3080-0285533 |
| | AM1-68HC908QYX-SO16 (P71M2-8002) | No Need | 16-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports FREESCALE,MOTOROLA MC68HC908QY family.(SOP- | M1380-0285533 | M3080-0165531 |
| | AM1-68HC908QYX-SO8 (P71M2-8001) | No Need | 8-pin SOP(PITCH 1.27mm,5.4mm) socket. Supports MOTOROLA MC68HC908OT1,MC68HC908OT2,MC68HC908OT4.(SOP-8) | M1380-0205531 | M3080-0085532 |
| | AM1-68HC908QYX-TS16 (P71M2-8101) | No Need | 16-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports MOTOROLA MC68HC908QY1,MC68HC908QY2,MC68HC908QY4.(TSSOP-16) | M1381-0283532 | M3081-0163533 |
| | AM4-68HC908AZ60A-QF64 (P72M2-7016) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 64-pin QFP(PITCH 0.8mm,14x14mm) socket. Supports MOTOROLA MC68HC908AZ60A.(QFP-64) | M1370-0644532 | M3070-0644532 |
| | AM4-68HC908JB16-TQ32 (P72M2-7020) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 32-pin QFP(PITCH 0.8mm,7x7mm) socket. Supports MOTOROLA MC68HC908JB16.(LOFP-32) | M1370-0324531 | M3070-0324531 |
| | AM4-68HC908JR32-LQ64 (P72M2-7012) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 64-pin QFP(PITCH 0.5mm,10x10mm) socket. Supports MOTOROLA MC68HC908JR32.(LOFP-64) | M1370-0641532 | M3070-0641532 |
| | AM4-HCS08-TQ44 (P72M2-7010) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports MOTOROLA MC9S08RC/RD/RF/RGXXX.(LOFP-44) | M1370-0444531 | M3070-0444531 |
| | AM4-HCS08GT-QF44 (P72M2-7021) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports MOTOROLA MC9S08GT32,MC9S08GT60.(OFP-44) | M1370-0444533 | M3070-0444533 |
| | AM4-HCS12-QF80 (P72M2-7014) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 80-pin QFP(PITCH 0.65mm,14x14mm) socket. Supports MOTOROLA MC9S12E128,MC9S12DJ256.(OFP-80) | M1370-0803533 | M3070-0803533 |
| | AM4-HCS12-TQ112 (P72M2-7013) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 112-pin QFP(PITCH 0.65mm,20x20mm) socket. Supports MOTOROLA MC9S12E128,MC9S12DJ256B.(LOFP-112) | M1370-1123531 | M3070-1123531 |
| MYSON | AM4-MTV41X-PL44 (P72M4-3004) | No Need | 4 gang sockets. 44-pin PLCC socket. Supports MYSON MTV416MV.(PLCC-44) | M1330-0445531 | M3030-0445531 |
| | AM4-MTVX12-PL44 (P72M4-3002) | No Need | 4 gang sockets. 44-pin PLCC socket. Supports MYSON MTV212MV,MTV312MV,MTV412MV.(PLCC- | M1330-0445531 | M3030-0445531 |
| NEC | AM1-UPD78F0103-SS30 (P71N0-8102) | No Need | 30-pin SOP(PITCH 0.65mm,6.1mm) socket. Supports NEC UPD78F0103M5MC.(SSOP-30) | M1381-0443531 | M3081-0303531 |
| | AM1-UPD78F9177-QF44 (P71N0-7002) | No Need | 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports NEC UPD78F9177GB.(OFP-44) | M1370-0444531 | M3070-0444531 |
| | AM4-UPD78F0034-TQ64 (P72N0-7004) | No Need | 4 gang sockets. 64-pin QFP(PITCH 0.65mm,12x12mm) socket. Supports NEC UPD78F0034AYGK.(TOFP-64) | M1370-0643532 | M3070-0643532 |
| | AM4-UPD78F0703-QF80A (P72N0-7002) | No Need | 4 gang sockets. 80-pin QFP(PITCH 0.65mm,14x14mm) socket. Supports NEC UPD78F0703YGC(A).(OFP-80) | M1370-0803533 | M3070-0803533 |
| NOVATEK | AM4-NT68665MFG-QF128 (P72N2-7104) | No Need | 4 gang sockets. 128-pin QFP(PITCH 0.5mm,14x20mm) socket. Supports NOVATEK NT68665MEG.(OFP-128) | M1371-1281532 | M3071-1281532 |
| | AM4-NT68665-QF128 (P72N2-7102) | No Need | 4 gang sockets. 128-pin QFP(PITCH 0.5mm,14x20mm) socket. Supports NOVATEK NT68665.(OFP-128) | M1371-1281532 | M3071-1281532 |
| NXP (PHILIPS) | AM1-LPC21XX-QF64 (P71P0-7001) | No Need | 64-pin QFP(PITCH 0.5mm,10x10mm) socket. Supports PHILIPS LPC2114,LPC2119,LPC2124,LPC2129,LPC2131,LPC2132,LPC2134,LPC2136,LPC2138,LPC2141,LPC2142,LPC2144,LPC2146,LPC2- | M1370-0641532 | M3070-0641532 |
| RENESAS (HITACHI) (MITSUBISHU) | AM4-HD64F216X-TQ144 (P72H1-7002) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 144-pin QFP(PITCH 0.4mm,16x16mm) socket. Supports HITACHI RENESAS HD64F2161,HD64F2169.(TOFP- | M1370-1441021 | M3070-1441021 |
| | AM4-R5F61725-TQ100 (P72H1-7011) | No Need | 4 gang sockets. 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports RENESAS R5F61725EPV.(TOFP-100) | M1370-1001531 | M3070-1001531 |
| SPANSION (AMD) | AM8-AM29LV256-TS56 (P73A1-8202) | No Need | 8 gang sockets. 56-pin SOP(PITCH 0.5mm,18.4mm) socket. Supports AMD AM29LV128ML/MH,AM29LV256ML/MH.(TSOP- | M1382-0561521 | M3082-0561521 |
| STM | AM1-PSD8XX-QF52 (P71S5-7004) | No Need | 52-pin QFP(PITCH 0.65mm,10x10mm) socket. Supports STM PSD854F2V.(OFP-52) | M1370-0523541 | M3070-0523541 |
| | AM1-ST72F561-QF32 (P71S5-7002) | No Need | 32-pin QFP(PITCH 0.8mm,7x7mm) socket. Supports STM ST72F361Kx,ST72F561Kx.(OFP-32) | M1370-0324531 | M3070-0324531 |
| | AM1-ST7FLITEXX-SO16 (P71S5-8002) | No Need | 16-pin SOP(PITCH 1.27mm,3.9mm) socket. Supports STM ST7FOXAM6,ST7FLITEU09M6,ST7FLITES2M6,ST7FLITES2Y0M6,ST7FLITE05Y0M6,ST7FLITE09Y0M6.(SOP-8/16) | M1380-0165532 | M3080-0165532 |
| | AM1-STM32F10XC-QF48 (P71S5-7006) | No Need | 48-pin QFP(PITCH 0.5mm,7x7mm) socket. Supports STM | M1370-0481531 | M3070-0481531 |

MODULEs (AT3)

| IC Mfr. | MODULE Name | Optional TOP Name | IC Supported | Textool 板 Number | Textool Number |
|---------|-------------------------------------|-------------------|---|------------------|----------------|
| | AM4-ST72F324-QF44 (P72S5-7002) | No Need | 4 gang sockets. 44-pin QFP(PITCH 0.8mm,10x10mm) socket. Supports STM,ST72F321J7,ST72F324J4.(QFP-44) | M1370-0444531 | M3070-0444531 |
| | AM4-STR91X-QF128 (P72S5-7006) | No Need | Special MODULE. Please check R&D Dept. 4 gang sockets. 128-pin QFP(PITCH 0.4mm,14x14mm) socket. Supports STM STR912FAW44X6.(QFP-128) | M1370-1281041 | M3070-1281041 |
| | AM6-M25PXX-SO16 (P74S5-8002) | No Need | 6 gang sockets. 16-pin SOP(PITCH 1.27mm,7.5mm) socket. Supports STM M25P16,M25P32,M25P64.(SOP-16) | M1380-0285533 | M3080-0165531 |
| TI | AM4-M430F1XX-QF64 (P72T0-7002) | No Need | 4 gang sockets. 64-pin QFP(PITCH 0.5mm,10x10mm) socket. Supports TI MSP430P325JPM.(QFP-64) | M1370-0641532 | M3070-0641532 |
| TOSHIBA | AM1-TMP86P820U-QF64 (P71T1-7002) | No Need | 64-pin QFP(PITCH 0.5mm,10x10mm) socket. Supports TOSHIBA TMP86P820U,TMP86PM29AU.(QFP-64) | M1370-0641532 | M3070-0641532 |
| | AM4-TMP88FW45-QF80 (P72T1-7103) | No Need | 4 gang sockets. 80-pin QFP(PITCH 0.8mm,14x20mm) socket. Supports TOSHIBA TMP88FW45FG.(QFP-80) | M1371-0803531 | M3071-0803531 |
| XILINX | AM1-XC95108-QF100 (P71X0-7002) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports XILINX XC95108,XC95144,XC95144XL.(QFP-100) | M1370-1001531 | M3070-1001531 |
| | AM1-XC9572-QF100 (P71X0-7004) | No Need | 100-pin QFP(PITCH 0.5mm,14x14mm) socket. Supports XILINX XC9572,XC9572XL.(QFP-100) | M1370-1001531 | M3070-1001531 |
| | AM1-XPLA3-QF144 (P71X0-7005) | No Need | 144-pin QFP(PITCH 0.5mm,20x20mm) socket. Supports XILINX XCR3128XL.(144-pin TOFP) | M1370-1441022 | M3070-1441522 |
| | AM4-XCFXXS-SS20 (P72X0-8102) | No Need | 4 gang sockets. 20-pin SOP(PITCH 0.65mm,4.4mm) socket. Supports XILINX XCF01S,XCF02S,XCF04S.(SSOP-20) | M1381-0283532 | M3081-0203533 |