

## Zusatzmodule für ALL-100 und ALL-100P

### DIP, SDIP

53311120	M1-UN-DP48	48-Pin DIP Sockel - Pin zu Pin (DIP-8 bis DIP-48)
53311140	M1-UN-SD42	42-Pin SDIP Sockel (PITCH 1.778mm,600mil) - für Pin zu Pin (SDIP-42)
53311160	M1-D8749-DP40	48-Pin DIP Sockel - für INTEL 8748, 8749 (DIP-40)
53312120	M4-SEEP-DP8	4*32-Pin DIP Sockel - für Serial EEPROM (DIP-8)
53312140	M4-MPU51-DP40	4*40-Pin DIP Sockel - für MPU 8751/89C51 Serie (DIP-40)
53312160	M4-PICS-DP20	4*32-Pin DIP Sockel - für MICROCHIP PIC Serien (DIP-8/14/18/20)
53312200	M4-HCS08GT-SD42	4*42-Pin SDIP Sockel - für MOTOROLA MC9S08GT32, MC9S08GT60 (SDIP-42)
53312220	M4-PICS-DP40	4*32-Pin DIP Sockel - für MICROCHIP PIC Serien (DIP-8/14/18/20)
53312240	M4-ST62XX-DP28	4*32-Pin DIP Sockel - für STM ST62 Serien (DIP-16/20/28)
53312260	M4-Z8F042A-DP8	4*32-Pin DIP Sockel - für ZILOG Z8F042APB (DIP-8)
53312280	M4-PICP-DP28	4*32-Pin DIP Sockel - für MICROCHIP PIC PARALLEL DEVICE (DIP-18/28)
53312320	M4-SPMC65P-DP32	4*32-Pin DIP Sockel - für SUNPLUS SPMC65P Serien (DIP-16/18/20/28/32)
53312340	M4-TMP86FH09N-SD32	4*32-Pin SDIP Sockel (PITCH 1.78mm,400mil) - für TOSHIBA TMP86FH09NG, TMP86F809NG, TMP86F409NG, TMP86FH09ANG, TMP86FH93NG (SDIP-32)
53313100	M6-FLASH-DP32	6*32-Pin DIP Sockel - für E(E)PROM/FLASH/LPC/FWH DIP28/32

### PLCC

53321100	M1-UN-PL44	44-Pin PLCC Sockel - für Pin zu Pin (PLCC-44)
53322100	M4-MPU51-PL44	4*44-Pin PLCC Sockel - für MPU 8751/89C51 (PLCC-44)
53322120	M4-AT17XX-PL20	4*20-Pin PLCC Sockel - für ATMEL AT17XX Serien, XILINX XC17XX Serien (PLCC-20)
53322140	M4-MACH-PL44	4*44 Pin PLCC Sockel - für LATTICE iM4A3-32/32, iM4A5-32/32, iM4A3-63/32, iM4A5-64/32 (PLCC-44)
53322160	M4-PICS-PL44	4*44-Pin PLCC Sockel - für MICROCHIP PIC Serien (PLCC-44)
53322180	M4-MTVX12-PL44	4*44-Pin PLCC Sockel - für MYSON MTV212MV, MTV312MV, MTV412MV (PLCC-44)
53322200	M4-89C51CC01-PL44	4*44-Pin PLCC Sockel - für ATMEL AT89C51CC01, AT89C51CC03, AT89C51AC2, AT89C51AC3, T89C51AC2, T89C51CC01 (PLCC-44)
53322240	M4-EP16M-PL44	4*44-Pin PLCC Sockel - für word wide EPROM von 4M bis 16M (PLCC-44)
53323120	M6-FLASH-PL32	6*32-Pin PLCC Sockel - für E(E)PROM/FLASH/PC/FWH PLCC32

### SOP, SOJ, SON

53331120	M1-UN-PS44	44-Pin SOP Sockel (PITCH 1.27mm,13.6mm) - für Pin zu Pin (PSOP-44)
53331140	M1-UN-TS48	48-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für Pin zu Pin (TSOP-48) - nur für bleihaltige IC's!
53331160	M1-UN-TS56	48-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für Pin zu Pin (TSOP-56) (*ALL-100-PINCARD)
53331180	M1-UN-SO28	28-Pin SOP Sockel - für Pin zu Pin (SOP-28)
53331200	M1-UN-SS34	34-Pin SOP Sockel (PITCH 0.65mm,5.3mm) - für Pin zu Pin (SOP-34)
53331220	M1-UN-TS48A	48-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für Pin zu Pin (TSOP-48)
53331240	M1-UPD78F0103-SS30	30-Pin SOP Sockel (PITCH 0.65mm,6.1mm) - für NEC UPD78F0103M5MC (SSOP-30)
53331260	M1-UN-SS48	48-Pin SOP Sockel (PITCH 0.635mm,7.5mm) - für Pin zu Pin (SSOP-48)
53332160	M4-FLASH-TS40	4*40-Pin SOP Sockel - für FLASH MEMORY 40-Pin IC (word-wide) (TSOP-40)
53332200	M4-SEEP-SO8A	4*8-Pin SOP Sockel - für Serial EEPROM, MICROCHIP PIC12C509 (SOP-8)
53332220	M4-HCS08-SO28	4*28-Pin SOP Sockel (PITCH 1.27mm,7.5mm) - für MOTOROLA MC9S08RC/RD/RE/RGXXX (SOP-28)
53332240	M4-HT8A-SO28	4*28-Pin SOP Sockel (PITCH 1.27mm,7.5mm) - für HOLTEK HT46R22, HT46R23, HT46R24, HT48R12 (24), HT48R10A, HT48R30A, HT48R31 (28), HT48R50A, HT48RA3, HT48RA5, HT48RB8, 82K68E (28), ( SOP-18/20/24/28)
53332260	M4-HT8B-SO28	4*28-Pin SOP Sockel (PITCH 1.27mm,7.5mm) - für HOLTEK HT48R05, HT48R06, HT48R12 (18/20), HT48R31 (18/20), HT48RA0, HT48RA0A, 82K68E (20), (SOP-18/20/24/28)
53332280	M4-SEEP-SS8	4*8-Pin SOP Sockel - für Serial EEPROM (SSOP-8)
53332320	M4-PICS-SO20	4*20-Pin SOP Sockel - für MICROCHIP PIC Serien (SOP-18/20)
53332340	M4-PICS-SO28	4*28-Pin SOP Sockel - für MICROCHIP PIC Serien (SOP-28)
53332360	M4-EP32M-SJ42	4*42-Pin SOJ Sockel - für word wide EPROM von 8M bis 32M, OKI MR27V402F (SOJ-42)
53332380	M4-XCFXXS-SS20	4*20-Pin SOP Sockel (PITCH 0.65mm,4.4mm) - für XILINX XFC01S, XFC02S, XFC04S (SSOP-20)
53332400	M4-Z8F0XXX-SO28	4*28-Pin SOP Sockel (PITCH 1.27mm,7.5mm) - für ZILOG Z8F0XXX (SOP-20/28)
53332440	M4-Z8F042A-SO8	4*8-Pin SOP Sockel (PITCH 1.27mm,3.9mm) - für ZILOG Z8F042ASB (SOP-8)
53332460	M4-Z8F0XXX-SS28	4*28-Pin SOP Sockel (PITCH 0.65mm,5.3mm) - für ZILOGZ8F042AHH (SSOP-20), Z8F042AHJ (SSOP-28)
53332480	M4-SEEP-SO16	4*16-Pin SOP Sockel (PITCH 1.27mm,3.9mm) - für SERIAL EEPROM (SOP-16)
53332500	M4-ST72F621-SO34	4*34-Pin SOP Sockel (PITCH 1.02mm,7.5mm) - für STM ST72F621L4M1 (SOP-34)
53332520	M4-NAND-US48	4*48-Pin SOP Sockel (PITCH 0.5mm,15.4mm) - für NAND device 48-Pin IC (USOP-48)
53332540	M4-HT8A-SS56	4*56-Pin SOP Sockel (PITCH 0.635mm,7.8mm) - für HOLTEK HT46R24, HT48R50A, HT48R70A (SSOP-48/56)
53332560	M4-NAND-TS48C	4*48-Pin SOP YAMAICHI Sockel (PITCH 0.5mm,18.4mm) - für NAND device 48-Pin IC, SAMSUNG K9WAG08U1A (TSOP-48), für bleihaltige IC's
53332580	M4-FLASH-PS44	4*44-Pin SOP Sockel (PITCH 1.27mm,13.6mm) - für Pin zu Pin (PSOP-44)
53332600	M4-PICS-SS20	4*20-Pin SOP Sockel (PITCH 0.65mm,5.3mm) - für MICROCHIP PIC series (SSOP-18/20)
53332620	M4-NAND-TS48A	4*48-Pin SOP ENPLASE Sockel (PITCH 0.5mm,18.4mm) - für NAND device 48-Pin IC, SAMSUNG K9WAG08U1A (TSOP-48), für bleifreie IC's
53332640	M4-PICS-SS28	4*28-Pin SOP Sockel (PITCH 0.65mm,5.3mm) - für MICROCHIP PIC series (SSOP-28)
53332660	M4-FLASH-PS44B	4*44-Pin SOP Sockel (PITCH 1.27mm,13.6mm) - für INTEL TB28F008SA (PSOP-44)
53332680	M4-M3428X-SS20	4*20-Pin SOP Sockel (PITCH 0.65mm,4.4mm) - für RENESAS M34283G2GP (SSOP-20)
53332700	M4-PIC18FJXX-SS28	4*28-Pin SOP Sockel (PITCH 0.65mm,5.3mm) - für MICROCHIP PIC18F24J10 (SSOP-28)
53333100	M6-AT45XX-TS28	6*28-Pin SOP Sockel (PITCH 0.55mm,11.8mm) - für AT45XX Serie (TSOP-28, 8x13.4mm)
53333120	M6-FLASH-TS32N	6*32-Pin SOP Sockel (PITCH 0.5mm,12.4mm) - für FLASH/LPC/FWH TSOP32 cpackage IC (TSOP-32, 8x14mm)
53333140	M6-FLASH-TS32W	6*32-PIN SOP Sockel (PITCH 0.5mm,18.4mm) - für FLASH/LPC/FWH TSOP32 cpackage IC (TSOP-32, 8x20mm)
53333180	M6-M25PXX-SO16	6*16-Pin SOP Sockel (PITCH 1.27mm,7.5mm) - für STM M25P16, M25P32, M25P64 (SOP-16)
53333200	M6-EP512-TS28N	6*28-Pin SOP Sockel (PITCH 0.55mm,11.8mm) - für EPROM from 27C64 to 27C512, FLASH 28F512, FLASH 29F512 (TSOP-28, 8x13.4mm)
53333220	M6-AT45XX-SO28	6*28-Pin SOP Sockel (PITCH 1.27mm,8.7mm) - für ATMEL AT45XX (SOP-28)
53333240	M6-EP512-TS20	6*20-Pin SOP Sockel (PITCH 0.65mm,4.4mm) - für EPROM from 27C64 to 27C512 (TSOP-20)
53333260	M6-SEEP-SN8A	6*8-Pin SON Sockel (PITCH 1.3mm,8x6mm,Array:4 on 2) - für SSERIAL EEPROM (SON-8)
53333280	M6-SEEP-SN8	6*8-Pin SON Sockel (PITCH 1.27mm,6-5mm,Array:4 on 2 + 1) - für SERIAL EEPROM, (CASON-8)

53334120	M8-FLASH-TS48	8*48-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für FLASH MEMORY 48-Pin IC (word-wide) (TSOP-48) für bleihaltige lcs
53334140	M8-FLASH-TS56	8*56-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für INTEL 28F128J3A/J3C/J5, 28F320J3A/J3C/J5, 28F640J3A/J3C/J5, 28F016SA/SV, 28F032SA (TSOP-56)
53334160	M8-AM29LV256-TS56	8*56-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für AMD AM29LV128ML/MH, AM29LV256ML/ MH (TSOP-56)
53334220	M8-FLASH-TS48B	8*48-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für FLASH MEMORY 48-Pin IC (word-wide) (TSOP-48) für bleifreie und bleihaltige ICs
53334240	M8-28F256P-TS56	8*56-Pin SOP Sockel (PITCH 0.5mm, 18.4mm) - für INTEL JS28F256P30B (TSOP-56)
53334260	M8-FLASH-TS56A	8*56-Pin SOP Sockel (PITCH 0.5mm,18.4mm) - für INTEL 28F128J3A/J3C/J5, 28F320J3A/J3C/J5, 28F640J3A/J3C/J5, 28F016SA/SV, 28F032SA (TSOP-56)

## QFP

53341100	M1-MB90F543GS-QF100	100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für FUJITSU MB90F543GS (QFP-100)
53341120	M1-AVR-QF44	44-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für ATMEL ATMEGA16, ATMEGA16L, LATTICE ispLSI2032E/V/VE, ispLSI2064V/VE, XILINX XC9536XL, XC9572XL (QFP-44)
53341140	M1-XC95108-QF100	100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für XILINX XC95108, XC95144, XC95144XL (QFP-100)
53341160	M1-XC9572-QF100	100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für XILINX XC9572, XC9572XL (QFP-100)
53341180	M1-UN-QF64	64-Pin QFP Sockel (PITCH 0.8mm,14x14mm) - für Pin zu Pin (QFP-64)
53341200	M1-UN-TQ48	48-Pin QFP Sockel (PITCH 0.5mm,7x7mm) - für Pin zu Pin (QFP-48)
53341220	M1-MB90F347-QF100	100-Pin QFP Sockel (PITCH 0.65mm,14x20mm) - für FUJITSU MB90F347, MB90F347 (QFP-100)
53341240	M1-MC9S12NE-TQ80	80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für FREESCALE, MOTOROLA MC9S12NE64VTU (LQFP-80)
53341260	M1-TMP86P820U-QF64	64-Pin QFP Sockel (PITCH 0.5mm,10x10mm) - für TOSHIBA TMP86P820U, TMP86PM29AU (QFP-64)
53341280	M1-ST72F561-QF32	32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für STM ST72F361Kx, ST72F561Kx (QFP-32)
53341300	M1-UN-QF32	32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für Pin zu Pin (QFP-32)
53341320	M1-MACH4000-TQ100	100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für LATTICE LC4064B/CV/ZC, LC4128B/CV/ZC, LC4256B/V (TQFP-100)
53341340	M1-MB90F347-LQ100	100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für FUJITSU MB90F347 (LQFP-100)
53341360	M1-MC9S12NE-LQ112	80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für FREESCALE, MOTOROLA MC9S12NE64VTU (LQFP-80)
53341380	M1-MC9S12XD-TQ144	144-Pin QFP Sockel (PITCH 0.5mm,20x20mm) - für FREESCALE, MOTOROLA MC9S12XD256CAG (LQFP-144)
53341400	M1-56F8366-TQ144	144-Pin QFP Sockel (PITCH 0.5mm,20x20mm) - für FREESCALE, MOTOROLA MC56F8366 (LQFP-144)
53341420	M1-UN-LQ48	48-Pin QFP Sockel (PITCH 0.5mm,7x7mm) - für Pin zu Pin (QFP-48)
53341440	M1-UN-TQ64	64-Pin QFP Sockel (PITCH 0.5mm,10x10mm) - für Pin zu Pin (QFP-64)
53342120	M4-HCS08-TQ44	4*48-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für Motorola MC9S08RC/RDRE/RGXXX (LQFP-44)
53342140	M4-HCS12-TQ112	4*112-Pin QFP Sockel (PITCH 0.65mm,20x20mm) - für Motorola MC9S12E128, MC9S12DP256B (LQFP-112)
53342160	M4-HCS08GB-TQ64	4*64-Pin QFP Sockel - für MOTOROLA MC9S08GB32, MC9S08GB60 (LQFP-64)
53342200	M4-UPD78F0703-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für NEC UPD78F0703YGC(A)
53342220	M4-HCS08GT-QF44	4*44-Pin QFP Sockel - für MOTOROLA MC9S08GT32, MC9S08GT60 (LQFP-44)
53342240	M4-HCS08-TQ32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für MOTOROLA MC9S08RC/RD/RE/RGXXX (LQFP-32)
53342260	M4-HCS12-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für MOTOROLA MC9S12C32MPB (LQFP-52)
53342280	M4-HCS12-TQ52	4*52-Pin QFP Sockel (PITCH 0.65mm,10x10mm) - für MOTOROLA MC9S12C32MPB (LQFP-52)
53342300	M4-HCS12UF-TQ100	4*100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für MOTOROLA MC9S12UF32PU (LQFP-100)
53342320	M4-HCS12UF-TQ64	4*64-Pin QFP Sockel (PITCH 0.5mm,10x10mm) - für MOTOROLA MC9S12UF32PB (LQFP-64)
53342340	M4-HD64F214X-TQ100	4*100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für HITACHI, RENESAS HD64F2144, HD64F2148 (TQFP-100)
53342360	M4-MPU51-QF44	4*44-Pin QFP Sockel - für MPU 8751/89C51 (TQFP/QFP-44)
53342380	M4-68HC908JR32-LQ64	4*64 Pin QFP Sockel - für MOTOROLA 68HC908JR32 (LQFP-64)
53342400	M4-HD64F38024-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für RENESAS HD64F38024H, HD64738024H (QFP-80)
53342420	M4-PICS-TQ44	4*44-Pin QFP Sockel - für MICROCHIP PIC Serien (TQFP-44)
53342440	M4-MPU51-TQ48	4*48-Pin QFP Sockel - für WINBOND W78LE516 (LQFP-48)
53342460	M4-UPD78F0034-TQ64	4*64-Pin QFP Sockel (PITCH 0.65mm,12x12mm) - für NEC UPD78F0034AYGK (TQFP-64)
53342480	M4-C8051F320-QF32	4*32-Pin QFP Sockel - für SILICON LABS C8051F310, C8051F320 (QFP-32)
53342500	M4-M430F1XX-QF64	4*64-Pin QFP Sockel (PITCH 0.5mm,10x10mm) - für TI MSP430P325IFM (QFP-64)
53342520	M4-ST72F324-QF32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für STM ST72F324K2, ST72F324K4, ST72F324K6 (QFP-32)
53342540	M4-ST72F324-QF44	4*44-Pin QFP Sockel - für STM ST72F321J7, ST72F324J4 (QFP-44)
53342560	M4-68HC908AZ60A-QF64	4*64-Pin QFP Sockel - für MOTOROLA 68HC908AZ60A (QFP-64)
53342580	M4-HD64F38327-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für RENESAS HD64F38327H (QFP-80)
53342600	M4-Z8FMC16100-QF32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für ZILLOG Z8FMC16100AKSG (QFP-32)
53342620	M4-AVR-QF44	4*44-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für ATMEL ATMEGA32 (QFP-44)
53342640	M4-M3823X-QF80	4*80-Pin QFP Sockel (PITCH 0.5mm,12x12mm) - für RENESAS M3823xGxHP (QFP-80)
53342660	M4-HD6473726-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für RENESAS HD6473726H (QFP-80)
53342680	M4-TMP88FW45-QF80	4*80-Pin QFP Sockel (PITCH 0.8mm,14x20mm) - für TOSHIBA TMP88FW45FG (QFP-80)
53342700	M4-56F8013-QF32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für MOTOROLA MC56F8013 (LQFP-32)
53342720	M4-68HC908JB16-TQ32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für MOTOROLA MC68HC908JB16 (LQFP-32)
53342740	M4-68HC908AB32-QF64	4*64-Pin QFP Sockel (PITCH 0.8mm,14x14mm) - für MOTOROLA MC68HC908AB32 (QFP-64)
53342760	M4-PICS-TQ64	4*64-Pin QFP Sockel (PITCH 0.5mm,10x10mm) - für MICROCHIP PIC series (TQFP-64)
53342780	M4-UPD78P0308-QF100	4*100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für NEC UPD78P0308GC, UPD78P064GC (QFP-100)
53342800	M4-MN101CF91D-TQ48	4*48-Pin QFP Sockel (PITCH 0.5mm,7x7mm) - für PANASONIC MN101CF91D (TQFP-48)
53342820	M4-C505CA-QF44	4*44-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für INFINEON SAB-C505CA-4E (QFP-44)
53342840	M4-C515C-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für INFINEON SAF-C515C-8EM (QFP-80)
53342860	M4-CE55X-QF80	4*80-Pin QFP Sockel (PITCH 0.8mm,14x20mm) - für PHILIPS P87C55E8 (QFP-80)
53342880	M4-HD6473827-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für RENESAS HD6473827RH (QFP-80)
53342900	M4-HD6473837-QF100	4*100-Pin QFP Sockel (PITCH 0.65mm,14x20mm) - für RENESAS HD6473837F (QFP-100)
53342920	M4-MN101EF31G-TQ80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für PANASONIC MN101EF31GWX (LQFP-80)
53342940	M4-TMP92FD23AF-QF100	4*100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für TOSHIBA TMP92FD23AFG, T5CE6 (QFP-100)
53342960	M4-TMP92FD54AIF-QF100	4*100-Pin QFP Sockel (PITCH 0.5mm,14x14mm) - für TOSHIBA TMP92FD54AIF (QFP-100)
53342980	M4-HT8A-QF64	4*64-Pin QFP Sockel (PITCH 1.0mm,14x20mm) - für HOLTEK HT48R70A-1, HT48E70, HT48RU80 (QFP-64)
53343000	M4-TMP91FU62DF-QF80	4*80-Pin QFP Sockel (PITCH 0.8mm,14x20mm) - für TOSHIBA TMP91FU62DFG (QFP-80)
53343020	M4-NT68665-QF128	4*128-Pin QFP Sockel (PITCH 0.5mm,14x20mm) - für NOVATEK NT68665 (QFP-128)
53343040	M4-R8C1013-QF32	4*32-Pin QFP Sockel (PITCH 0.8mm,7x7mm) - für RENESAS R5F21114DFP (QFP-32)
53343060	M4-ISD15000-QF48	4*48-Pin QFP Sockel (PITCH 0.5mm,7x7mm) - für WINBOND ISD15002, ISD15004, ISD15008, ISD15016 (QFP-48)
53343080	M4-M16C-QF100	4*100-Pin QFP Sockel (PITCH 0.65mm,14x20mm) - für RENESAS M3030SFDPGP (QFP-100)
53343100	M4-NT68665MFG-QF128	4*128-Pin QFP Sockel (PITCH 0.5mm,14x20mm) - für NOVATEK NT68665MFG (QFP-128)
53343120	M4-MEC5004-QF128	4*128-Pin QFP Sockel (PITCH 0.4mm,14x14mm) - für SMSC MEC5004, MEC5004L (QFP-128)
53343140	M4-C164CI-QF80	4*80-Pin QFP Sockel (PITCH 0.65mm,14x14mm) - für INFINEON SAK-C164CI-8EM (QFP-80)
53343160	M4-MTV41X-QF44	4*44-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für MYSON MTV416GMF(QFP-44)
53343180	M4-ST72F521R-QF64	4*64-Pin QFP Sockel (PITCH 0.8mm,12x12mm) - für STM ST72F521R9TX (QFP-64)

53343200 M4-TMP89FH42U-QF44 4\*44-Pin QFP Sockel (PITCH 0.8mm,10x10mm) - für TOSHIBA TMP89FH42UG, TMP89FM42UG, TMP89FH42LUG (QFP-44)

## BGA, QFN, MLF, MMC/SD card

53352440 M4-36VF160-BG48 Gang Modul (PITCH 0.8mm, 10x8mm, B:0.4mm, 12x8 Grid) - benötigt TOP (TOP-36VF160-BG48), M4-36F160-BG48 + TOP ( 4 Stück)  
- für SST S3T39VF6401-B1K (TFBGA-48)

53381100 M1-UN-BG68 68-Pin BGA Sockel - benötigt TOP (TOP-19B320/28F128K3/28F160A/28F256K3/ 29DL64DF/29F160/29F320/36VF160/  
41DL1644/49B1614A/69LW3241/GE28F128/GE28F128W3/GE28F256/K5A3240/K8D1616/K8D6316/M28W320/MX29LV320/  
S29PL064J/S71PL064J/S71PL127J) für Pin zu Pinn (BGA-68)

53381120 M1-UN-ML20 20-Pin QFN Sockel (PITCH 0.5mm,4x4mm,Array:5 on 4 + 1) - für Pin zu Pin (MLF/QFN-20)

53381140 M1-UN-ML64 64-Pin QFN Sockel (PITCH 0.5mm,9x9mm,Array:16 on 4 + 1) für Pin zu Pin (MLF/QFN-64)

53381160 M1-UN-ML40 40-Pin QFN Sockel (PITCH 0.5mm,6x6mm,Array:10 on 4 + 1) - für Pin zu Pin (MLF/QFN-40)

53381180 M1-CY8C20234-ML16 16-Pin QFN Sockel (PITCH 0.5mm,3x3mm,Array:4 on 4) - für CYPRESS CY8C20234-12LKXI (QFN-16)

53381200 M1-UN-QN28 28-Pin QFN Sockel (PITCH 0.5mm,5x5mm,Array:7 on 4 + 1) - für Pin zu Pin (MLF/QFN-28)

53381220 M1-CY8C20334-ML24 24-Pin QFN Sockel (PITCH 0.5mm,4x4mm,Array:6 on 4) - für CYPRESS CY8C20334-12LFXI, CY8C21323-24LFXI (QFN-24)

53382100 M4-NAND-BG63 Gang Modul - benötigt TOP (TOP-F1208-BG63/F5608-BG63/HIN1B56-BG123/ K5D5613-BG137/NAND-TS44), M4-NAND-BG63 +  
TOP (4 Stück) - für NAND device 48-Pin IC (BGA-63)

53382120 M4-RC28FXXX-BG64 Gang Modul - benötigt TOP (TOP-28F128K3-BG64/28F256K3-BG64), M4-RC28FXXX-BG64 + TOP (4 Stück) - für INTEL  
RC28F128J3C, RC28F128K3C (EBGA-64)

53382140 M4-FLASH-BG48 Gang Modul - benötigt TOP (TOP-19B320/29DL64DF/29F160/29F320/49B1614A/ 49BV322A/AM29LV065D/K8D1616/K8D6316/  
M29DW32X/MX29LV320/S29GL064A/S29PL064J M4-FLASH-BG48 + TOP (4 Stück) - für FLASH MEMORY 48-Pin IC (BGA-48)

53382180 M4-MX69LW32X1-BG66 Gang Modul - benötigt TOP (TOP-66LW3241-BG66) M4-MX69LW32X1-BG66 + TOP (4 Stück) - für MXIC MX69LW1641TXB/BXB,  
MX69LW3241ATXB/ABXB (CSP-66)

53382200 M4-68HC908JW32-QN48 4\*64 Pin QFN Sockel - benötigt TOP (TOP-MCUQN48), M4-68HC908JW32-QN48 + TOP - für MOTOROLA 68HC908JW32 (QFN-48)

53382220 M4-S71PL129-BG64 Gang Modul - benötigt TOP (4 Stück), (TOP-41DL1644/KADXX0300-BG69/ S71PL127J), M4-S71PL129-BG64 + TOP (4 Stück) -  
für AMD, SPANSION 41DL1634DT, 41DL1644DB, 41DL3224/3244GB/GT, 42DL640AG, S71PL127JxxBA, SAMSUNG KAD070300A  
(FBGA-64/69)

53382240 M4-HCS08GT-QN48 Gang Modul 48-Pin QFN Sockel - benötigt TOP (TOP-MCU-QN48) - für MOTOROLA MC9S08GT16 (QFN-48)

53382260 M4-AVR-ML32 Gang Modul - benötigt TOP (TOP-AVR-ML32), M4-AVR-ML32+TOP (4 Stück) - für ATMEL ATMEGA168, ATMEGA48, ATMEGA88  
(MLF-32)

53382280 M4-M58LW064D-BG64 Gang Modul 64-Pin BGA Sockel - benötigt TOP (TOP-28F128K3-BG64), M4-M58LW064D-BG64 + TOP (4 Stück)  
- für STM M58LW064D-ZA (TBGA-64)

53382300 M4-M430F12X2-ML32 Gang Modul - benötigt TOP (TOP-AVR-ML32), M4-M430F12X2-ML32 + TOP(4 Stück) - für TI MSP430F1222IRHB (QFN-32)

53382320 M4-P51VP-QN52 4\*52-Pin QFN Sockel (PITCH 0.5mm,8x8mm,Array:13 on 4 + 1) - für PAION P51VP704F (QFN-52)

53382340 M4-Z8FMC16100-ML32 4\*32-Pin QFN Sockel (PITCH 0.5mm,5x5mm,Array:8 on 4 + 1) - für ZILOG Z8FMC16100QKSG (QFN-32)

53382360 M4-GE28FXXX-BG79 Gang Modul - benötigt TOP (TOP-28F256L18-BG79, TOP-GE28F256-BG79), M4-GE28FXXX-BG79 + TOP (4 Stück) - für INTEL  
GE28F256L18, INTEL GE28F256K3C (VFBGA-79)

53382380 M4-UPD78F0354-TQ100 4\*100-Pin QFN Sockel (PITCH 0.5mm,14x14mm) - für NEC UPD78F0354GC (TQFP-100)

53382400 M4-M430F1XX1-ML64 4\*64-Pin QFN Sockel (PITCH 0.5mm,9x9mm,Array:16 on 4 + 1) - für TI MSP430F1481IRTD (QFN-64)

53382420 M4-PF38FXXX-BG88 Gang Modul - benötigt TOP (TOP-PF38FXXX-BG88), M4-PF38FXXX-BG88 + TOP (4 Stück) - für INTEL PF38F2030W0YTQE,  
PF38F2040W0YTQ0 (SCSP-88)

53382460 M4-S71PL064J-BG56 Gang Modul - benötigt TOP (TOP-S71PL064J-BG56), M4-S71PL064J-BG56 +TOP (4 Stück) - für SPANSION S71PL016J, S71PL032J,  
S71PL064J (FBGA-56)

53382480 M4-AT89C5131-QN32 4\*32-Pin QFN Sockel (PITCH 0.65mm,7x7mm,Array:8 on 4 + 1) - für ATMEL AT89C5130A, AT89C5131A (MLF-32)

53382500 M4-EM250-QN48 4\*48-Pin QFN Sockel (PITCH 0.5mm,7x7mm,Array:12 on 4 + 1) - für EMBER EM250 (QFN-48)

53382520 M4-EM260-QN40 4\*40-Pin QFN Sockel (PITCH 0.5mm,6x6mm,Array:10 on 4 + 1) - für EMBER EM260 (QFN-40)

53382540 M4-SIM64368-QN16 4\*16-Pin QFN Sockel (PITCH 0.65mm,4x4mm,Array:4 on 4 + 1) - für A-MEN SIM64368 (QFN-16)

53382560 M4-RC28FXXX-BG64A Gang Modul - benötigt TOP (TOP-28F128K3-BG64), M4-RC28FXXX-BG64A + TOP (4 Stück) - für INTEL PC48F4400P0VB00  
(EBGA-64)

53382580 M4-S29GLXXX-BG64 Gang Modul - benötigt TOP (TOP-S29GLXXN-BG64), M4-S29GLXXX-BG64 + TOP (4 Stück) - für SPANSION S29GLxxN (BGA-64)

53382600 M4-AVR-ML32A Gang Modul - benötigt TOP (TOP-AVR-ML32), M4-AVR-ML32A + TOP(4 Stück) - für ATMEL AT90USB162 (MLF-32)

53382620 M4-32HFXXX-BG64 Gang Modul - benötigt TOP (TOP-36VF160-BG48), M4-32HFXXX-BG64 + TOP (4 Stück) - für SST S3T32HF64A2-L2S (LFBGA-64)

53382640 M4-AVR-ML32B Gang Modul - benötigt TOP (TOP-AVR-ML32), M4-AVR-ML32B + TOP (4 Stück) - für ATMEL ATMEGA168, ATMEGA48,ATMEGA88,  
ATTINY26L (MLF-32)

53384100 M8-UN-SD11 8\*Sockel - für MMC/SD card

## incirquit

53391020 M1-JTAG-CN10 für JTAG ISP (In System Programming) (2x5-Pin)

53391100 M1-SPI-CN10 für SST S3T25VF020 ISP (In System Programming) (2x5-Pin)