

## List of Special Adapters and Socket Converters (Discontinue)

October, 2017

P/N	Description	Programmer Support
GDP-F320-56SS	56 pin SSOP (Pitch 0.8mm) adapter for Intel 28F320(640)(128)J5/J3 (Open-Top Socket)	LT-848XP
GDP-SOIC-1602	16 pin SOIC (Body Width 150mil, Pitch 1.27mm) adapter for Atmel AT24Cxx (Clam-Shell Socket)	-
GDP-SOIC-2002	20 pin SOIC (Body Width 200mil, Pitch 1.27mm) adapter for Atmel AT24Cxx (Clam-Shell Socket)	-
LVT-128K18-56U	56 pin uBGA (9mm x 11mm, Pitch 0.75mm) adapter for Intel GE28F128K18 (Open-Top Socket)	LT-48UXP/848XP
LVT-128K18-64E	64 pin EBGA (10mm x 13mm, Pitch 1.0mm) adapter for Intel RC28F128K18 (Open-Top Socket)	LT-48UXP/848XP
LVT-128K3-56U	56 pin uBGA (9mm x 11mm, Pitch 0.75mm) adapter for Intel GE28F128K3 (Open-Top Socket)	LT-48UXP/848XP
LVT-128K3-64E	64 pin EBGA (10mm x 13mm, Pitch 1.0mm) adapter for Intel RC28F128K3/640K3 (Open-Top Socket)	LT-48UXP/848XP
LVT-128W18-56U	56 pin uBGA (12mm x 12.5mm, Pitch 0.75mm) adapter for Intel GE28F128W18 (Open-Top Socket)	LT-48UXP/848XP
LVT-128W30-56U	56 pin uBGA (12mm x 12.5mm, Pitch 0.75mm) adapter for Intel GE28F128W30 (Open-Top Socket)	LT-48UXP/848XP
LVT-2240WY-80F	80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter for Intel RD38FxxxxWY (Open-Top Socket)	LT-48UXP/848XP
LVT-2240WY-80FC	80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter for Intel RD38FxxxxWY (Clam-Shell Socket)	LT-48UXP/848XP
LVT-2240WZ-80F	80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter for Intel RD38FxxxxWZ (Open-Top Socket)	LT-48UXP/848XP
LVT-2240WZ-80FC	80 pin FBGA (8mm x 10mm, Pitch 0.8mm) adapter for Intel RD38FxxxxWZ (Clam-Shell Socket)	LT-48UXP/848XP
LVT-256K18-63VF	63 pin VFBGA (9mm x 14.5mm, Pitch 0.75mm) adapter for Intel GE28F256K18C (Open-Top Socket)	LT-48UXP/848XP
LVT-256K18-64E	64 pin EBGA (10mm x 15mm, Pitch 1.0mm) adapter for Intel RC28F256K18C (Open-Top Socket)	LT-48UXP/848XP
LVT-256K3-63VF	63 pin VFBGA (9mm x 14.5mm, Pitch 0.75mm) adapter for Intel GE28F256K3C (Open-Top Socket)	LT-48UXP/848XP
LVT-256K3-64E	64 pin EBGA (10mm x 15mm, Pitch 1.0mm) adapter for Intel RC28F256K3C (Open-Top Socket)	LT-48UXP/848XP
LVT-320D18-56U	56 pin uBGA (7.52mm x 13.42mm, Pitch 0.75mm) adapter for Intel 28F320D18 (Open-Top Socket)	LT-48UXP/848XP
LVT-4050LY-80F	80 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter for Intel RD38F4050LOYB/T (Open-Top Socket)	LT-848XP
LVT-4050LZ-80F	80 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter for Intel RD38F4050LOZB/T (Open-Top Socket)	-
LVT-6408W18-80F	80 pin FBGA (8mm x 14mm, Pitch 0.8mm) adapter for Intel 28F6408W18 (Open-Top Socket)	LT-848XP

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LVT-6408W30-80F	80 pin FBGA (8mm x 14mm, Pitch 0.8mm) adapter for Intel 28F6408W30 (Open-Top Socket)	LT-48UXP/848XP
LVT-640K18-56U	56 pin uBGA (7.7mm x 9mm, Pitch 0.75mm) adapter for Intel GE28F640K18C (Open-Top Socket)	LT-48UXP/848XP
LVT-640K3-56U	56 pin uBGA (7.7mm x 9mm, Pitch 0.75mm) adapter for Intel GE28F640K3C (Open-Top Socket)	LT-48UXP/848XP
LVT-640W18-56U	56 pin uBGA (7.7mm x 9mm, Pitch 0.75mm) adapter for Intel 28F320/640/128 W18 (Open-Top Socket)	LT-48UXP/848XP
LVT-640W30-56U	56 pin uBGA (7.7mm x 9mm, Pitch 0.75mm) adapter for Intel 28F320/640 W30 (Open-Top Socket)	LT-48UXP/848XP
LVT-ADS323-48TS	48 pin TSOP (12mm x 20mm, Pitch 0.5mm) adapter for AMD 29DS32x (Open-Top Socket)	LT-48UXP/848XP
LVT-MT6428-64F	64 pin FBGA (9mm x 11.5mm, Pitch 0.8mm) adapter for Micron MT28C6428P20/P18 (Open-Top Socket)	LT-848XP
LVT-NEC6411-85F	85 pin FBGA (8mm x 11mm, Pitch 0.8mm) adapter for NEC uPD29F064115F9 (Open-Top Socket)	LT-848XP
LVT-S064J-80F	80 pin FBGA (7mm x 9mm, Pitch 0.8mm) adapter for Spansion S71WS064JB0B0FW2Y (Open-Top Socket)	LT-848XP
LVT-SST400-48WF	48 pin WFBGA (4mm x 6mm, Pitch 0.5mm) adapter for SST 39WF400A (Clam-Shell Socket)	LT-48UXP
LVT-ST432-64F	64 pin FBGA (8mm x 12mm, Pitch 0.8mm) adapter for ST M36DR432A/B (Open-Top Socket)	LT-848XP
PLCC4428-01	44 pin PLCC (Pitch 1.27mm) adapter for AMD MACH 110 / 210 / 215 (Clam-Shell Socket)	LT-48UXP
PLCC4428-02	44 pin PLCC (Pitch 1.27mm) adapter for Lattice ispLSI1016 / pLSI1016 (Clam-Shell Socket)	LT-48UXP
SDP-1800-68	68 pin PLCC (Pitch 1.27mm) adapter for Altera EP18xx (Open-Top Socket)	LT-48UXP
SDP-3108-100	100 pin QFP (Body Size 14mm x 20mm, Pitch 0.65mm) adapter for Xilinx XC73108 (Clam-Shell Socket)	LT-48UXP
SDP-3108-84	84 pin PLCC (Pitch 1.27mm) adapter for Xilinx XC73108 (Open-Top Socket)	LT-48UXP
SDP-5000-68	68 pin PLCC (Pitch 1.27mm) adapter for Atmel ATV5000 (Open-Top Socket)	LT-48UXP
SDP-5128-68	68 pin PLCC (Pitch 1.27mm) adapter for Altera EPM5128 (Open-Top Socket)	LT-48UXP
SDP-7272-68	68 pin PLCC (Pitch 1.27mm) adapter for Xilinx XC7272/A (Open-Top Socket)	LT-48UXP
SDP-7272-84	84 pin PLCC (Pitch 1.27mm) adapter for Xilinx XC7272/A (Open-Top Socket)	LT-48UXP
SDP-7354-68	68 pin PLCC (Pitch 1.27mm) adapter for Xilinx XC7354 (Open-Top Socket)	LT-48UXP
SDP-7372-68	68 pin PLCC (Pitch 1.27mm) adapter for Xilinx XC7372 (Open-Top Socket)	LT-48UXP
SDP-9S12X-64LQ	64 pin LQFP (Body Size 10mm x 10mm, Pitch 0.5mm) adapter for Freescale MC9S12XS64 (Clam-Shell Socket)	LT-848XP
SDP-A128M-64E	64 pin EBGA (11mm x 13mm, Pitch 1.0mm) adapter for AMD 29LV640MH/L, 29LV128MH/L (LAA064) (Open-Top Socket)	LT-48UXP/848XP

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SDP-A642-64E	64 pin EBGA (11mm x 13mm, Pitch 1.0mm) adapter for AMD 29LV642D (Open-Top Socket)	LT-48UXP/848XP
SDP-AX110-80LQ	80 pin LQFP (Body Size 12mm x 12mm, Pitch 0.5mm) adapter for ASIX AX11001/11005 (Clam-Shell Socket)	LT-848XP
SDP-BL802-56SS	56 pin SSOP (Pitch 0.8mm) adapter for AMD 29BL802C/162C (Open-Top Socket)	LT-48UXP
SDP-C374-84	84 pin PLCC (Pitch 1.27mm) adapter for Cypress 7C374/373 (Open-Top Socket)	LT-48UXP
SDP-d160-48U	48 pin FBGA (9mm x 9mm, Pitch 0.8mm) adapter for Samsung KM28DU160T/B (Open-Top Socket)	LT-48UXP
SDP-F016-56TS	56 pin TSOP (14mm x 20mm, Pitch 0.5mm) adapter for Intel 28F016/032 (Open-Top Socket)	LT-48UXP
SDP-F160-56SS	56 pin SSOP (Pitch 0.8mm) adapter for Intel 28F160F3 (Open-Top Socket)	LT-48UXP/848XP
SDP-F320-56SS	56 pin SSOP (Pitch 0.8mm) adapter for Intel 28F160(320)S3/S5 (Open-Top Socket)	LT-48UXP/848XP
SDP-FU160-46SON	46 pin SON (10mm x 12mm, Pitch 0.5mm) adapter for Fujitsu MBM29LV160T/B (Open-Top Socket)	LT-48UXP
SDP-I008-40U	40 pin uBGA (5.74mm x 7.48mm, Pitch 0.75mm) adapter for Intel GT28F008SC/S3/S5 (Open-Top Socket)	LT-48UXP
SDP-I008-48U	48 pin uBGA (6.5mm x 7.91mm, Pitch 0.75mm) adapter for Intel GT28F008B3B/T (Open-Top Socket)	LT-48UXP
SDP-I016-40U	40 pin uBGA (5.74mm x 7.48mm, Pitch 0.75mm) adapter for Intel GT28F016SC/S3/S5 (Open-Top Socket)	LT-48UXP
SDP-I016-48U	48 pin uBGA (7.58mm x 9.81mm, Pitch 0.75mm) adapter for Intel GT28F016B3B/T (Open-Top Socket)	LT-48UXP
SDP-I160-48U	48 pin uBGA (7.58mm x 9.81mm, Pitch 0.75mm) adapter for Intel GT28F160B3B/T (Open-Top Socket)	LT-48UXP
SDP-I800-48U	48 pin uBGA (6.5mm x 7.91mm, Pitch 0.75mm) adapter for Intel GT28F800B3B/T (Open-Top Socket)	LT-48UXP
SDP-M160-48U	48 pin uBGA (7mm x 8mm, Pitch 0.75mm) adapter for Micron 28F160A3, C3FD (Open-Top Socket)	LT-48UXP/848XP
SDP-M5-100Q(CIC)	100 pin QFP (Body Size 14mm x 20mm, Pitch 0.65mm) adapter for AMD MACH5(LV)-xxx/68	LT-48UXP
SDP-M5-100TQ(CIC)	100 pin TQFP (Body Size 14mm x 14mm, Pitch 0.5mm) adapter for AMD MACH5(LV)-xxx/68	LT-48UXP
SDP-M5-144QF(CIC)	144 pin TQFP (Body Size 28mm x 28mm, Pitch 0.65mm) adapter for AMD MACH5(LV)-xxx/104	LT-48UXP
SDP-M5-160QF(CIC)	160 pin PQFP (Body Size 28mm x 28mm, Pitch 0.65mm) adapter for AMD MACH5(LV)-xxx/120	LT-48UXP
SDP-M5-208Q(CIC)	208 pin PQFP (Body Size 28mm x 28mm, Pitch 0.5mm) adapter for AMD MACH5(LV)-xxx/160	LT-48UXP
SDP-UNIV-20SO	20 pin SOIC (Body Width 300mil, Pitch 1.27mm) universal adapter for 16-20 pin SOIC (Clam-Shell Socket)	LT-48UXP
SDP-UNIV-28SO/330	28 pin SOIC (Body Width 330mil, Pitch 1.27mm) universal adapter (Clam-Shell Socket)	LT-48UXP
SDP-UNIV-40TS/W	40 pin TSOP (10mm x 14mm, Pitch 0.5mm) universal adapter for 40 pin TSOP Flash memory (Clam-Shell Socket)	LT-48UXP/848XP

P/N	Description	Programmer Support
SDP-X740-68	68 pin PLCC (Pitch 1.27mm) adapter for Altera EPX740 / Intel iFX740 (Open-Top Socket)	LT-48UXP
SDP-X780-84	84 pin PLCC (Pitch 1.27mm) adapter for Altera EPX780 / Intel iFX780 (Open-Top Socket)	LT-48UXP
TM-I640-56SS	56 pin SSOP (Pitch 0.8mm) adapter modules for Intel 28F640/128J3 (Open-Top Socket)	
TM-S512-64E	64 pin EBGA (11mm x 13mm, Pitch 1.0mm) adapter modules for Spansion S29GL512N11FFIS20 (LAA064) (Open-Top Socket)	LT-T400
TM-SOIC-2002	20 pin SOIC (Body Width 200mil, Pitch 1.27mm) adapter modules for Winbond W25X40A / W25X80A (Clam-Shell Socket)	LT-T400

**Phase Out**