

Kinetic Technologies

PRODUCT SELECTOR GUIDE 2023

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Innovation in motion™

USB and USB-C Overvoltage and Surge Protection ICs

Device	VIN (V)	VIN MAX (V)	SURGE (V)	RON (mΩ)	IMAX (A)	RBP	RCP	OCP	CL	OTG	OVP Adj	Package	Package Size (L xW)
Single-channel Load Switches with OVP													
KTS1640*	6.0 - 40	-32 & 42		41	6.0	✓						TDFN-12	4.0 x 4.0mm
KTS1641*	6.0 - 40	-32 & 42		41	6.0	✓						TDFN-12	4.0 x 4.0mm
KTS1662	2.5 - 40	42		26	4.5					✓	✓	WLCSP-12	1.28 x 1.94mm
KTS1670	2.7 - 30	30		60	3.0					✓	✓	WLCSP-6 UDFN-8	1.0 x 1.2mm 2.0 x 2.0mm
KTS1671	2.7 - 28	30		60	3.0					✓	✓	WLCSP-6	1.0 x 1.2mm

Current Limited Load Switch with Reverse Blocking Protection													
KTS1688	2.5 - 5.5	28		68	2.5	✓				✓	✓	WLCSP-9	1.22 x 1.22mm

Single-Channel Load Switches with OVP and Surge Protection													
KTS1650B	2.3 - 28	29	±200	36	4.5					✓	✓	WLCSP-12	1.49 x 2.16mm
KTS1682	2.3 - 28	29	±100	38	4.0					✓	✓	WLCSP-12	1.29 x 1.99mm
KTS1668	2.3 - 30	30	±100	38	4.0					✓	✓	WLCSP-12	1.29 x 1.99mm
KTS1675	3.0 - 28	28	±100	20	5.0	✓				✓		WLCSP-20	2.22 x 1.82mm
KTS1675A	3.0 - 28	28	±100	25	5.0	✓				✓		WLCSP-20	2.22 x 1.82mm
KTS1676	3.0 - 28	28	±100	20	5.0	✓				✓		WLCSP-20	1.82 x 2.22mm
KTS1680A	2.3 - 28	29	±100	28	4.5					✓	✓	WLCSP-12	1.21 x 1.7mm
KTS1681A	2.3 - 28	29	±100	28	4.0					✓	✓	WLCSP-12	1.21 x 1.7mm
KTS1685	2.7 - 30	30	±100	140	1.5					✓	✓	WLCSP-9	1.33 x 1.33mm
KTS1686	3.0 - 28	29	±100	65	4.5	✓				✓	✓	WLCSP-15	1.6 x 2.1mm
KTS1693**	2.7 - 28	30	±110	9	6.0			✓		✓	✓	WLCSP-20	2.13 x 1.905mm

Single Input, Dual Output Load Switches with OVP and Surge Protection													
KTS1678B	2.7 - 13.5	-2 to 28	±100	23/30	3.5/6	✓				✓		WLCSP-28	1.67 x 2.96mm
KTS1656	2.7 - 13.2	-6 to 28	±200	20/35	3.5/6	✓				✓		WLCSP-42	2.7 x 3.0mm

USB-PD Protected Switch													
Current Source													
KTS1690A**, ***	2.5 - 5.5	29	±80	35	3.3	✓	✓	✓	✓	✓		WLCSP-16	1.98 x 1.98mm
Current Sink													
KTS1677A	3.0 - 23	30	±90	30	5.0	✓		✓			✓	WLCSP-15	2.57 x 1.57mm
KTS1696A	3.0 - 23	29	±90	11	7.0	✓	✓	✓			✓	WLCSP-25	2.7 x 2.7mm
KTS1697A	3.0 - 23	29	±90	11	7.0	✓	✓	✓			✓	WLCSP-25	2.7 x 2.7mm
KTS1698	3.0 - 23	29	±90	25	5.0	✓	✓	✓			✓	WLCSP-15	2.62 x 1.64mm
Current Source or Current Sink													
KTS1865***	3.0 - 23	30	±100	20	5.0	✓	✓	✓	✓	✓	✓	WLCSP-20	2.64 x 2.14mm

* AECQ100 Automotive qualified parts available. Please contact your local sales representative.

** Safety approvals: UL 2367, file no. E515099-20210819. IEC 62368-1, file no. DK-118085-UL

*** Please contact your Kinetic Technologies sales representative for availability

Definitions	
OVP - Overvoltage protection	OCP - Overcurrent protection
RBP - Reverse blocking protection	RCP - Reverse current protection
CL - Current limit	OTG - USB On-the-Go

USB Data Line Protection ICs

Device	VIN (V)	Protects			Protection			Switches		Package	Package Size (L x W)
		D+/D-	CC1/2	SBU1/2	OVP	Surge	ESD	r _{DS}	Cap		
KTU1001A	2.7 - 5.5	√*		√*	+24V in 100ns	+25V		6Ω	4.0pF	WLCSP-12	1.17 x 1.57mm
KTU1101	2.5 - 5.5		√	√	+24V in < 15ns	CC1/2 = ±80V SBU1/2 = ±35V	Air: ±15kV Contact: ±8kV	CC = 0.3Ω SBU = 4Ω	CC = 370pF SBU = 27pF	WLCSP-20	1.7 x 2.1mm
KTU1108	2.5 - 5.5		√		+24V in < 15ns	CC1/2 = ±80V	Air: ±15kV Contact: ±8kV	0.24Ω	370pF	WLCSP-12	1.29 x 1.69mm
KTU1120	2.5 - 5.5		√	√ OVP = 3.83V	+24V in < 15ns	CC1/2 = ±40V SBU1/2 = ±30V	Air: ±15kV Contact: ±8kV	CC = 0.27Ω SBU = 3Ω	CC = 40pF SBU = 11pF	WLCSP-16 TQFN33-20	1.7 x 1.7mm 3.0 x 3.0mm
KTU1121	2.5 - 5.5		√	√ OVP = 4.8V	+24V in < 15ns	CC1/2 = ±40V SBU1/2 = ±30V	Air: ±15kV Contact: ±8kV	CC = 0.27Ω SBU = 3Ω	CC = 40pF SBU = 11pF	WLCSP-16 TQFN33-20	1.7 x 1.7mm 3.0 x 3.0mm
KTU1121A**	2.5 - 5.5		√	√ OVP = 4.8V	+24V in < 70ns	CC1/2 = ±40V SBU1/2 = ±30V	Air: ±15kV Contact: ±8kV	CC = 0.27Ω SBU = 3Ω	CC = 40pF SBU = 11pF	WLCSP-16 TQFN33-20	1.7 x 1.7mm 3.0 x 3.0mm
KTU1125***	3.0 - 5.5		√	√	CC1/2 = 5.8V in 15ns SBU1/2 = 3.83V in 15ns	CC1/2 = ±25V	Air: ±15kV Contact: ±8kV	CC = 1Ω SBU = 6Ω	CC = 370pF SBU = 5pF	WLCSP-39	2.76 x 4.49mm
KTU1128***	2.5 - 5.5		√	√ OVP = 4.8V	+32V in < 70ns	CC1/2 = ±40V SBU1/2 = ±30V	Air: ±15kV Contact: ±8kV	CC = 0.27Ω SBU = 3Ω	CC = 40pF SBU = 11pF	WLCSP-16 TQFN33-20	1.7 x 1.7mm 3.0 x 3.0mm
KTU1131**	2.5 - 5.5	√	√	√	+22V in < 15ns		Air: ±10kV Contact: ±5kV	CC = 0.27Ω SBU = 3Ω	CC = 15pF SBU = 6pF	UQFN33-20	3.0 x 3.0mm

Interface and Isolation ICs

Single-channel, Slew-Rate Controlled Load Switches with Reverse Blocking

Device	VIN (V)	RON (mΩ)	IMAX (A)	RBP	Package	Package Size (L x W)
KTS1601	1.5 - 5.5	24.0 @ 3.3V _{IN}	2.0	√	WLCSP-4	1.0 x 1.0mm
KTS1605	1.5 - 5.5	13.4 @ 3.3V _{IN}	5.0	√	WLCSP-6	1.0 x 1.5mm

General Purpose I/O Expanders

Device	VIN (V)	Max. Driver Current per Channel (mA)	# of I/Os	Interrupt Out	Addresses	Package	Package Size (L x W)
KTS1620	1.65 - 5.5	25	24	√	4	FO-WLP66-36 TQFN55-32L	2.6 x 2.6mm
KTS1622	1.65 - 5.5	25	16	√	4	FO-WLP55-25 TQFN44-24L	2.0 x 2.0mm 4.0 x 4.0mm

Smart Push Button Reset ICs

Part Number	VIN (V)	Quiescent Current (μA)	Ship Mode Current (μA)	Reset Request Time (s)	Discharge Paths	Discharge Time (ms)	Discharge Current (mA)	Package	Package Size
KTS1612	2.2 - 5.5	<1	<1	10	2	400	52	UQFN2.0x1.5-10	2.0 x 1.5mm
KTS1613	1.6 - 5.5	<1	<1	10	–	400	–	UQFN2.0x1.5-10	2.0 x 1.5mm

* KTU1001A can protect D+/D- or SBU1/2

** Thunderbolt™ Compatible

*** Please contact your Kinetic Technologies sales representative for availability. This device is Thunderbolt™ Compatible

LCD Backlight and Bias Power ICs

Single-Channel Backlight LED Driver										
Device	VIN (V)	# LED Channels	LEDs/CH	Total LEDs	Switch Current (A)	I ² C	Single Wire	PWM	OVP (V)	Package
KTD2801B	2.7 - 5.5	1	6	6	0.52		√	√	24	TDFN22-6
KTD2801A	2.7 - 5.5	1	8	8	0.52		√	√	30	TSOT23-6/TDFN22-6
KTD2801	2.7 - 5.5	1	10	10	0.52		√	√	36	TSOT23-6/TDFN22-6
KTD2500	2.7 - 5.5	1	10	10	0.75		√	√	38	TDFN22-6
KTD2505R	2.7 - 5.5	1	10	10	1.2		√	√	38	TDFN22-6
KTD251	2.7 - 5.5	1	10	10	0.8			√	36	TSOT23-6
KTD2531	2.7 - 5.5	1	10	10	0.8			√	36	TSOT23-6
KTD2536	2.7 - 5.5	1	10	10	0.8			√	36	TSOT23-6
KTZ8850*	3.0 - 5.5	1	10	10	1.3	√		√	Adj < 36	WLCSP-18

Multi-Channel Backlight LED Driver										
Device	VIN (V)	# LED Channels	LEDs/CH	Total LEDs	Switch Current (A)	I ² C	Single Wire	PWM	OVP (V)	Package
KTD3112	2.7 - 5.5	2	6	12	1.5			√	25	WLCSP-9
KTD3122	2.7 - 5.5	2	8	16	1.0	√		√	Adj 24/30	WLCSP-12
KTD3133	2.7 - 5.5	2	8	16	1.8	√		√	25.9/32	WLCSP-12
KTD3134	2.7 - 5.5	2	8	16	2.6	√		√	25.9/32	WLCSP-12
KTD3113	2.7 - 5.5	3	6	18	1.8			√	25	WLCSP-9
KTD3136	2.7 - 5.5	3	8	24	2.6	√		√	25.9/32	WLCSP-12
KTD3137	2.7 - 5.5	3	8	24	2.6	√		√	25.9/32	WLCSP-12
KTZ8863A*	2.9 - 5.5	3	8	24	2.1	√		√	Adj < 32	WLCSP-24
KTZ8864A*	2.7 - 5.5	4	8	32	2.1	√		√	Adj < 32	WLCSP-24
KTZ8874**	2.8 - 5.5	4	9	36	2.1	√		√	Adj < 33	WLCSP-30
KTZ8866*	2.7 - 5.5	6	10	60	2.5	√		√	Adj < 40	WLCSP-28
KTD3156B	2.7 - 5.5	6	10	60	2.5			√	Adj < 40	TQFN33-16

LCD Bias Power Supply							
Device	VIN (V)	Control	Max. Current per Channel (mA)	VOUT (V)	Accuracy (%)	IQ Shutdown (SDA=SCL=1.8V) (μA)	Package
KTD2151	2.7 - 5.5	I ² C	80	4.0~5.2V, -4.0~-5.2V, 100mV Steps	1.5	6	WLCSP-15
KTZ8850*	3.0 - 5.5	I ² C	80	4.0~6.3V, -4.0~-6.3V, 12.5mV Steps	2.0	1	WLCSP-18
KTZ8863A*	2.9 - 5.5	I ² C	150	4.0~6.3V, -4.0~-6.3V, 50mV Steps	1.5	1	WLCSP-24
KTZ8864A*	2.7 - 5.5	I ² C	150	4.0~6.3V, -4.0~-6.3V, 50mV Steps	1.5	1	WLCSP-24
KTZ8866*	2.7 - 5.5	I ² C	200	4.0~6.3V, -4.0~-6.3V, 50mV Steps	1.5	1	WLCSP-28
KTZ8874**	2.8 - 5.5	I ² C	200	4.0~6.3V, -4.0~-6.3V, 50mV Steps	1.5	1	WLCSP-30

Camera LED Flash Driver ICs

PWM /Single-Wire Control							
Device	VIN (V)	# LED Channels	IMAX (A)	Interface	Type	Package	Package Size (L x W)
KTD2692	2.7 - 5.5	1	1.5	SINGLE-WIRE	BOOST	TDFN-14	2 x 3mm
KTD2694	2.7 - 5.5	1	1.5	SINGLE-WIRE	BOOST	UDFN-10	2 x 2mm

I ² C Interface Control							
Device	VIN (V)	# LED Channels	IMAX (A)	Interface	Type	Package	Package Size (L x W)
KTD2681	2.7 - 5.5	1	1.5	I ² C	BOOST	WLCSP-12	1.3 x 1.57mm
KTD2688A	2.7 - 5.5	2	1.5/1.5	I ² C	BOOST	WLCSP-12	1.3 x 1.57mm
KTD2686	2.7 - 5.5	3	1.5/1.0/0.5	I ² C	BOOST	WLCSP-12	1.42 x 1.66mm
KTD2690**	2.7 - 5.5	1	1.5	I ² C	BOOST	WLCSP-8/ UDFN-10	1.519 x 0.808mm / 2mm x 2mm
KTD2691	2.7 - 5.5	1	1.5	I ² C	LINEAR	WLCSP-8	1.519 x 0.808mm

* Integrated LED Driver IC and LCD Bias IC

** Please contact Kinetic Technologies Sales for availability.

RGB LED Driver ICs

Device	VIN (V)	# LED Channels	IMAX (mA)	Levels	Interface	AECQ100 Approved	Package	Package Size (L x W)
Constant Current RGB LED Drivers								
KTD2026	2.7 - 5.5	3	24	192	I ² C		UTDFN-8	1.5 x 1.5mm
KTD2027	2.7 - 5.5	4	24	192	I ² C		UTDFN-8	1.5 x 1.5mm
KTD2037	2.7 - 5.5	3	24	191	I ² C		UTDFN-8	1.5 x 1.5mm
KTD2052A/C**	2.5 - 5.5	12	24	192	I ² C		UQFN-8	2.0 x 2.0mm
KTD2052B/D***	2.5 - 5.5	12	24	192	I ² C		UQFN-8	2.0 x 2.0mm
KTD2058 (Q)***	2.5 - 5.5	36	24	192	I ² C	√	UQFN-20	3.0 x 3.0mm
KTD2059 (Q)***	2.5 - 5.5	36	24	192	I ² C	√	UQFN-20	3.0 x 3.0mm
KTD2060 (Q)***	2.5 - 5.5	36	24	192	I ² C	√	UQFN-20	3.0 x 3.0mm
KTD2061 (Q)	2.5 - 5.5	36	24	192	I ² C	√	UQFN-20	3.0 x 3.0mm
KTD2064A	2.5 - 5.5	24	24	192	I ² C		UQFN-20	3.0 x 3.0mm
KTD2064B****	2.5 - 5.5	24	24	192	I ² C		UQFN-20	3.0 x 3.0mm

IR LED Drivers								
KTD2041*	2.7 - 5.5	9	32	64	I ² C		UQFN-20	3.0 x 3.0mm

Wireless Power Receiver

Device	Function	Wireless Power Standard	Recommended Operating Range (V)	Output Voltage (V)	Output Power Max (W)	Maximum Output Current (A)	Package	Package Size (L x W)
KTE7000	Power Receiver	WPC/Qi 1.3 BPP	4.0 to 18.0	5.0 in BPP Mode	5	1.5	WLCSF-52	2.66 x 3.90mm
KTE7001	Power Receiver	WPC/Qi 1.2.4 EPP	4.0 to 18.0	5.0 in BPP Mode 9/12 in EPP Mode	15	1.5	WLCSF-52	2.66 x 3.90mm
KTE7800*	Power Receiver / Linear Charger	WPC/Qi 1.2.4	3.6 to 10.0	5.0 in BPP Mode	5	1.0	QFN-24	5.0 x 5.0mm

Power Over Ethernet ICs

Device	VIN (V)	Power (W)	802.3af/at/bt Power Level		Power Supply Configuration				Package
			Type 1	Type 2	Flyback	Forward	PSR	Buck	
KTA1136	37 - 57	13	√		√	√	√	√	QFN44-16
KTA1137A	9.5 - 57	13/30	√	√	√	√	√	√	QFN55-20

EMI/ESD Suppressor

Device	VIN (V)	# of Channels	CISPR22 and FCC Part 15	IEC 61000-4-2 ESD (Air Discharge)	IEC 61000-4-2 ESD (Contact Discharge)	Cable Discharge Event (CDE)	Package
KTA1550	2.17 - 3.47	2	Class B, for Radiated and Conducted Emissions	±25kV	±25kV	±25kV	QSOP-16L TDFN-4 x 2.5 – 16L
KTA1552	2.17 - 3.47	4					DFN94-36L

USB Type-C Port Controllers

Part Number	Input	Application	Package	Package Size (L x W)
MCDP9000	USB Type-C Port Controller	Laptop, 2-in-1 PC, Desktop, AIO PC, Tablet, Smartphone, USB-C Docking station, USB-C DA/V dongle, Set-top-box, USB-C monitor, KVM switch, public display	QFN44-24	4.0 x 4.0mm

* Please contact Kinetic Technologies Sales for availability

** KTD2052A/C = defaults disabled at initial power-up; KTD2061B/D = execute AutoBreathe™ pattern by default at initial power-up or at reset

*** Alt. I²C Address to KTD2061

**** Alt. I²C Address to KTD2064A

DC-DC Converters

Device	VIN (V)	VOUT (V)	IMAX Current (mA)	IQ (µA)	Interface	Output Auto-Discharge	Package	Package Size (L x W)
Buck								
KTB8331*	2.5 - 5.5	0.6 – 3.345	3000	48	I ² C/EN	Yes	WLCSP-15	1.31 x 2.015mm
KTB8360**	2.5 - 5.5	0.6 – 3.345	3000	3	I ² C/EN	Yes	WLCSP-15	1.31 x 2.015mm
KTB8370*	4.7 - 17	5	5000	50	EN/PG	Yes	WLCSP-20	1.7 x 2.0mm
KTB8371*	4.7 - 17	0.8V to 5.5V	5000	50	I ² C	Yes	WLCSP-20	1.7 x 2.0mm

Dual Buck + Quad LDO								
KTZ8701**	2.7 - 5.5	Bucks: 0.6 – 3.3, 12mV Steps LDOs: 1.2 – 3.5, 25mV Steps	Bucks: 1200 LDOs: 300	140	I ² C	Yes	WLCSP-25	2.42 x 2.35mm

Boost								
KTC2110	2.5 - 5.5	5	1000	60	EN/PT	–	WLCSP-9	1.38 x 1.38mm
KTC2110A	2.5 - 5.5	5.4	1000	60	EN	–	WLCSP-9	1.38 x 1.38mm
KTC2115**	2.5 - 5.5	5	1500	56	EN/PT	–	WLCSP-9	1.27 x 1.30mm

Buck & Boost								
KTZ8812	2.5 - 5.5	+4.0 – 5.2, 100mV Steps -4.0 to – 5.2, 100mV Steps	150	–	I ² C/ENP/ENN	Yes	WLCSP-15 TDFN3x2.5-14	2.2 x 1.45mm 3.0 x 2.5mm

Isolated Flyback								
Device	VIN (V)	VOUT (V)	Output Power (W)	IQ (mA)	Interface	Output Auto-Discharge	Package	Package Size (L x W)
KTB1100	7 - 100	3.3 – 48	15	2.5	EN/PG	–	SOIC-16	10.3mm x 7.5mm

6-wire, 3 Phase Motor Controllers

Part Number	Description	Specification	Package	Package Size (L x W)
KTX9602**	3-phase BLDC Motor Controller for 6-wire	Designed to work with IPM, IGBT, Independent Gate Drivers and Inverters	QFN66-48	6 x 6mm
KTX9612**	3-phase BLDC Motor Controller for 6-wire with Built-in Gate Drivers	Integrated 100V gate driver with advanced control techniques, targeted at high electrical efficiency	QFN88-72	8 x 8mm
KTX9619**	6-channel Half-Bridge Gate Driver IC	Dedicated external 100V gate driver for KTX9602 or multi-channel dual drive 3-wire applications	QFN77-56	7 x 7mm

3-wire, 3 Phase Motor Controllers

Part Number	Description	Specification	Package	Package Size (L x W)
KTX9302**	3-phase BLDC Motor Controller for 3-wire	Designed to work with IPM, IGBT, Independent Gate Drivers and Inverters	QFN66-48	6 x 6mm
KTX9312**	3-phase BLDC Motor Controller for 3-wire with Built-in Gate Drivers	Integrated 100V gate driver and advanced control techniques	QFN77-56	7 x 7mm
KTX9319**	3-Channel Half-Bridge Gate Driver IC	Standard multi-function 100V half-bridge gate driver	QFN44-32	4 x 4mm

* Default output voltage & mode options available. Please contact Kinetic Sales for detailed ordering information

** Please contact Kinetic Technologies Sales for availability

Repeaters

Part Number	Input	Application	Package	Package Size (L x W)
KTM6400*	USB-C DP2.0/USB4 Retimer	Laptop, 2-in-1 PC, Desktop, AIO PC, Tablet, Smartphone, Set-top-box, active cable, KVM switch, motherboard enabling USB Type-C DP Alt-mode	WLCSP or BGA (small form factor)	TBD
MCDP6000	6:4 USB-C DP 1.4a Alt-mode Retimer	Laptop, 2-in-1 PC, Desktop, AIO PC, Tablet, Smartphone, Set-top-box, active cable, KVM switch, motherboard enabling USB Type-C DP Alt-mode	QFN4.5x6.5-46	4.5 x 6.5mm
MCDP6150	DP 1.4a Retimer	Laptop, 2-in-1 PC, Desktop, AIO PC, Tablet, Smartphone, Gaming monitor, DP active cable, KVM switch, public display	QFN4.5x6.5-46	4.5 x 6.5mm
MCDP6200	USB3.2 x1 Gen1/Gen2 Retimer	Laptop, 2-in-1 PC, Desktop, AIO PC, Tablet, Smartphone, USB active cable	QFN4.5x6.5-46	4.5 x 6.5mm

Single Port Converters

Part Number	Input	Output	Application	Package	Package Size (L x W)
MCDP28x0	DP 1.2a	HDMI 2.0a Level Shifter/ Protocol Converter [LSPCON]	Desktop PC, Notebook, Tablet motherboard, dongle applications	LFBGA77-64	7 x 7mm
MCDP2900	DP 1.4a (HBR2, BT2020 HDR, HDCP 2.2, CEC)	HDMI 2.0b	Notebook/Tablet Accessories (USB Type-C dongles, docking stations), TV, Game Console, STB, etc.	LFBGA77-64	7 x 7mm
MCDP5200	USB-C/DP 1.4a (USB3.2, HBR3, HDCP 2.3)	HDMI 2.0b/USB-A	Notebook, Tablet Accessories (USB Type-C dongles, docking stations), TV, Game Console, STB, etc.	TFBGA77-169	7 x 7mm
MCDP5240	USB-C/DP 1.4a (USB3.2, HBR3, HDCP 2.3)	DP++/USB-A	Notebook, Tablet Accessories (USB Type-C dongles, docking stations), TV, Game Console, STB, etc.	TFBGA77-169	7 x 7mm
MCDP5250	DP 1.4a	HDMI 2.0b	Notebook, Tablet Accessories (Adapters (Dongles), docking stations, and other AV accessories)	TFBGA77-169	7 x 7mm
MCDP5290	DP 1.4a	DP++	Notebook, Tablet Accessories (Adapters (Dongles), docking stations, and other AV accessories)	TFBGA77-169	7 x 7mm
STDP2550	MyDP Mobility DisplayPort	HDMI	Phone dock, gaming dock, dongle	VFBGA55-81	5 x 5mm
STDP2600	HDMI 1.4b	DP++	Audio-video accessory (dongle), Docking station, etc.	LFBGA88-81	8 x 8mm
STDP2650	DP 1.2a	HDMI 1.4b	TV, Projector, Audio-video accessory (dongle), Desktop PC, Notebook, Tablet, etc.	LFBGA88-81	8 x 8mm
STDP2690	DP 1.2a	DP++	Audio-video accessory (dongle), Desktop PC, Notebook, Docking station, Thunderbolt source, Peripheral device, etc.	LFBGA88-81	8 x 8mm
STDP31x0	DP 1.2a 10-bit Video DAC	VGA	Notebook, Desktop PC, Dongle, Desktop PC motherboard, etc.	QFN66-64	6 x 6mm
STDP4020	DP/eDP	LVDS/DVI (LVTTTL)	TV, LCD monitor, Mobile display, Projector, dongles (DP2DVI)	LFBGA1212-164	12 x 12mm
STDP4028	LVDS/LVTTTL	DP/eDP	TV, Docking station, STB, Game console, etc.	LFBGA1212-164	12 x 12mm

Multiport Converters

Part Number	Input	Output	Application	Package	Package Size (L x W)
KTM50x0	USB-C (DP alt-mode) (DP 4 lanes OR 2 lanes DP and 2 lanes USB3.2)	3x DP++ (DP or HDMI) 1x USB3.2	Audio-video router, Docking station, Hub, 4K2K TV, Signage, Daisy chain monitor, Digital signage	LFBGA-289 0.65mm pitch	12 x 12mm
KTM54x0*	USB-C (DP alt-mode) (DP 4 lanes OR 2 lanes DP and 2 lanes USB3.1)	1x HDMI2.1 2xDP2.0++ (DP2.0 or HDMI2.0) 1x USB3.1	Audio-video router, Docking station, Hub, 8K TV, Signage, Daisy chain monitor, Digital signage	LFBGA-249, 0.65mm pitch	12 x 12mm
STDP4320	DP 1.2a/HDMI 1.4b	DP 1.2a/HDMI 1.4b DP 1.2a/HDMI 1.4b	Audio-video router, Docking station, Hub, 4K2K TV, Signage, Daisy chain monitor, Digital signage	LFBGA-172	12 x 12mm

*Please contact Kinetic Technologies Sales for availability

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