

Transistor Array

Part No.	Number of circuits	Maximum output voltage (V)	Output current (mA)	Input resistance (kΩ)	Input/output relation	Input active level	Output current relation	Circuit construction	Features	Package
BA612	5	24	450	25	Invert type	H	Sink	Darlington		DIP14
BA6256	6	11	450	25	Invert type	H	Sink	Single	With strobe terminal	DIP16
BA664		27	100	25	Invert type	H	Sink	Darlington	Built-in clamp diode	DIP14
BA13002F		10	320	1.6	Invert type	H	Sink	Single	Built-in surge absorbing diode With strobe terminal	SOP16
New BA12001B		50	500	-	Invert type	H	Sink	Darlington	Built-in surge absorbing diode	DIP16
BA12002	50	500	10.5(7VTzDi)	Invert type	H	Sink	Darlington	DIP16		
New BA12003B/BF	50	500	2.7	Invert type	H	Sink	Darlington	DIP16/SOP16		
New BA12004B	50	500	10.5	Invert type	H	Sink	Darlington	DIP16		
BA618	7	16	100	12	Buffer type	H	Source	Darlington		DIP16
BA6250/F	30	30	28	Invert type	H	Sink	Darlington	DIP16/SOP16		
BA6251/F	30	30	28	Invert type	H	Sink	Single	DIP16/SOP16		
BA6257	24	100	25	Invert type	H	Sink	Darlington	Built-in clamp diode	DIP16	
BA6212	8	7	400	6.6	Buffer type	L	Sink	Single	With strobe terminal	DIP20

Package

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Driver

●LCD driver (Single chip controller driver)

Part No.	Supply voltage (V)	LCD drive voltage (V)	Function	Number of outputs	Duty	Bias	Data transfer method	Package
New BU9771 * -○○○	2.7~5.5	2.7~V _{DD}	10×2 single chip controller driver	50SEG×17COM	1/9~1/17	1/4	Serial	VQFP100
BU97701-○○○ BU97702-○○○	4.5~5.5	3.0~V _{DD}	8×2 single chip controller driver	40SEG×16COM	1/8~1/11	1/4, 1/5	Parallel (4 or 8 bit)	QFP-T80 SQFP-T80

●Pulse driver for LCD drive

Part No.	Supply voltage (V)	Input signal	Output signal	Function	Number of circuits	Output delay time	Package
New BU9764FV	4.5~5.5	5V	16V	Level converter that converts 5V signal into 16V signal	6	20ns Typ.	SSOP-B16

●LCD driver (Segment driver)

Part No.	Supply voltage (V)	LCD drive voltage (V)	Key Input	Function	Number of outputs	Duty	Bias	Data transfer method	Package
BU9706KS	3.5~6.0	V _{DD}	-	40 output segment driver	40SEG	-	-	Serial	SQFP56
BU9712K	4.5~6.0	V _{DD}	30Key	126 output segment driver (with key input)	42SEG×3COM	1/3	1/2, 1/3	Serial (I ² C BUS interface)	QFP64
BU9716K/KV	4.5~5.5	V _{DD}	-	96 output segment driver	32SEG×3COM	1/3	1/2, 1/3	Serial	QFP44/VQFP48
New BU9718KV	2.7~3.5	V _{DD}	-	96 output segment driver	32SEG×3COM	1/3	1/2, 1/3	Serial	VQFP48
BU9728KV	2.5~5.5	2.5~V _{DD}	-	128 output segment driver	32SEG×4COM	1/4	1/3	Serial	VQFP48
BU9768K/KV	4.5~6.0	V _{DD}	30Key	126 output segment driver (with key input)	42SEG×3COM	1/3	1/2, 1/3	Serial	QFP64/VQFP64

Note: ○: Under development

●EL driver

Part No.	Supply voltage (V)	Function	Features	Package
BA3899F	1~7	Control circuit for EL drive	Drive frequency can be set using an external capacitor.	SOP8

●FL driver

Part No.	Supply voltage (V)	Function	LED port	Features	Package
New BU2872AK	5/-25	FL drive (11S×11G~16S×4G) 6×4 key scanning function	4	3-wire serial interface 7-step variable display luminance	QFP44
New BU2879AK	5/-30	FL drive (15S×11G-16S×8G) 6×4 key scanning function	-	3-wire serial interface 7-step variable display luminance	QFP44

●Constant current driver

Part No.	Supply voltage (V)	Number of ch	Output voltage range (mA)	Features	Package
New BU2082FV	4.5~5.5	4ch	0~60	Each of four channels can be independently set up.	SSOP-B16
New BU2087FV	3.0~5.5	2ch	0~75	Each of two channels can be independently set up. Drive current can be selected using an external resistor and the input voltage.	SSOP-B16