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Display Drivers

TN/STN LCD Driver

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TN/STN LCD Driver

LCD Segment Drivers

Low Duty LCD Segment Drivers

Part No.	Display (dots)	Outputs		Operating Voltage (V)		Operating Temperature (°C)	Duty	Bias	I/F	EVR	GPO	Independent Blink	LED Driver (port)	PWM Gen.	Keyscan	Package	
		seg.	com.	I/F Power Supply (V _{DD})	LCD Power Supply (VLCD)												
BU9796AMUV	48	12	4	2.5 to 5.5		-40 to +85	1/4	1/3, 1/2	2wire	-	-	-	-	-	-	-	VQFN024V4040
BU9796AFS	80	20	4	2.5 to 5.5		-40 to +85	1/4	1/3, 1/2	2wire	-	-	-	-	-	-	-	SSOP-A32
BU97941FV	104	26	4	1.8 to 3.6	2.7 to 5.5	-40 to +85	1/4, 1/3, Static	1/3	3wire	-	-	-	4	-	-	-	SSOP-B40
BU9795AFV	108	27	4	2.5 to 5.5		-40 to +85	1/4	1/3, 1/2	3wire	-	-	-	-	-	-	-	SSOP-B40
BU97930MUV	108	27	4	1.8 to 3.6	2.7 to 5.5	-40 to +85	1/4, 1/3, Static	1/3	3wire	-	4port	✓	1	1ch 8bit	-	-	VQFN040V6060
BU97931FV	112	28	4	1.8 to 3.6	2.7 to 5.5	-40 to +85	1/4, 1/3, Static	1/3	3wire	-	5port	✓	1	1ch 8bit	-	-	SSOP-B40
BU97960MUV	120	15	8	2.5 to 6.0	2.5 to 6.0	-40 to +85	1/8, 1/4	1/4, 1/3	2wire	✓	-	-	-	-	-	-	VQFN028V5050
BU9795BKV	140	35	4	2.5 to 5.5		-40 to +85	1/4	1/3, 1/2	3wire	-	-	-	-	-	-	-	VQFP48C
BU9795ZKS2	140	35	4	2.5 to 5.5		-40 to +85	1/4	1/3, 1/2	3wire	-	-	-	-	-	-	-	SQFP-T52
BU9797AFUV	144	36	4	2.5 to 5.5		-40 to +85	1/4	1/3	2wire	-	-	-	-	-	-	-	TSSOP-C48V
BU97981MUV	168	42	4	1.8 to 3.6	3.3 to 5.5	-30 to +75	1/4, 1/3, Static	1/3	3wire	-	27port	✓	3	2ch 12bit	-	-	VQFN56AV8080
BU97981KV	196	49	4	1.8 to 3.6	3.3 to 5.5	-30 to +75	1/4, 1/3, Static	1/3	3wire	-	31port	✓	3	2ch 12bit	-	-	VQFP64
BU97981GU	196	49	4	1.8 to 3.6	3.3 to 5.5	-30 to +75	1/4, 1/3, Static	1/3	3wire	-	31port	✓	3	2ch 12bit	-	-	VBGA064T050A
BU9794AKV	200	50	4	2.5 to 5.5	2.5 to 5.5	-40 to +85	1/4	1/3, 1/2	3wire	-	-	-	-	-	-	-	VQFP64
BU9799KV	200	50	4	2.5 to 5.5	2.5 to 5.5	-40 to +85	1/4	1/3, 1/2	2wire	✓	-	-	-	-	-	-	VQFP64
BU97501KV	204	51	4	2.7 to 6.0	4.5 to 6.0	-40 to +85	1/4, 1/3	1/3, 1/2	3wire+KEYOUT	-	4port	-	-	-	5×6 Max 30Key	-	VQFP64
BU97950AFUV	280	35	8	2.5 to 6.0	2.5 to 6.0	-40 to +85	1/8, 1/4	1/4, 1/3	2wire	✓	-	-	-	-	-	-	TSSOP-C48V
BU97530KVT	445	89	5	2.7 to 6.0		-40 to +85	1/5, 1/4, 1/3, Static	1/3, 1/2	3wire+KEYOUT	✓	9port (9ch PWM)	-	-	9ch 8bit	5×6 Max 30Key	-	TQFP100V

LCD Segment Drivers

Low Duty LCD Segment Drivers for Automotive Application																		
Part No.	Display (dots)	Outputs		Operating Voltage (V)		Operating Temperature (°C)	Duty	Bias	I/F	EVR	GPO	Independent Blink	LED Driver	PWM Gen.	Keyscan	Package	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
		seg.	com.	I/F Power Supply (V _{DD})	LCD Power Supply (VLCD)													
BU97601FV-M	116	29	4	2.7 to 6.0	-40 to +85	1/4, 1/3, 1/2, Static	1/3, 1/2	3wire +KEYOUT	✓	16port (16ch PWM)	-	-	6ch 9bit	4x5 Max 20Key	SSOP-B40	FSs	YES	
BU9797FUV-M	144	36	4	2.5 to 5.5	-40 to +85	1/4	1/3, 1/2	2wire	-	-	-	-	-	-	TSSOP-C48V	FSs	YES	
BU97510CKV-M	216	54	4	2.7 to 6.0	-40 to +85	1/4, 1/3	1/3, 1/2	3wire	-	6port (6ch PWM)	-	-	6ch 6bit	-	VQFP64	FSs	YES	
BU97520AKV-M	276	69	4	2.7 to 6.0	-40 to +85	1/4, 1/3	1/3, 1/2	3wire +KEYOUT	-	6port (6ch PWM)	-	-	6ch 8bit	5x6 Max 30Key	VQFP80	FSs	YES	
BU97540KV-M	335	67	5	2.7 to 6.0	-40 to +85	1/5, 1/4, 1/3, Static	1/3, 1/2	3wire +KEYOUT	✓	9port (9ch PWM)	-	-	9ch 9bit	5x6 Max 30Key	VQFP80	FSs	YES	
BU97530KVT-M	445	89	5	2.7 to 6.0	-40 to +85	1/5, 1/4, 1/3, Static	1/3, 1/2	3wire +KEYOUT	✓	9port (9ch PWM)	-	-	9ch 8bit	5x6 Max 30Key	TQFP100V	FSs	YES	
BU97550KV-M	528	66	8	2.7 to 6.0	-40 to +85	1/6, 1/7, 1/5, 1/4, 1/3, Static	1/4, 1/3, 1/2	3wire +KEYOUT	✓	9port (9ch PWM)	-	-	9ch 9bit	5x6 Max 30Key	VQFP80	FSs	YES	
BU91795MUF-M	48	12	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	-	-	-	-	-	-	VQFN24FV4040	FSs	YES	
BU91796BMUF-M	80	20	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	-	-	-	-	-	-	VQFN32FBV050	FSs	YES	
BU91796FS-M	80	20	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	-	-	-	-	-	-	SSOP-A32	FSs	YES	
BU91600FV-M	116	29	4	2.7 to 6.0	-40 to +105	1/4, 1/3, 1/2, Static	1/3, 1/2	3wire +KEYOUT	✓	16port (16ch PWM)	-	-	6ch 9bit	4x5 Max 20Key	SSOP-B40	FSs	YES	
BU91797MUF-M	144	36	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	-	-	-	-	-	-	VQFN48FV7070	FSs	YES	
BU91797FUV-M	144	36	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	-	-	-	-	-	-	TSSOP-C48V	FSs	YES	
BU91600FUV-M	148	37	4	2.7 to 6.0	-40 to +105	1/4, 1/3, 1/2, Static	1/3, 1/2	3wire +KEYOUT	✓	16port (16ch PWM)	-	-	6ch 9bit	4x5 Max 20Key	TSSOP-C48V	FSs	YES	
BU91799KV-M	200	50	4	2.5 to 6.0	-40 to +105	1/4	1/3	2wire	✓	-	-	-	-	-	VQFP64	FSs	YES	
BU91501KV-M	204	51	4	2.7 to 6.0	-40 to +105	1/4, 1/3	1/3, 1/2	3wire +KEYOUT	-	4port	-	-	-	5x6 Max 30Key	VQFP64	FSs	YES	
BU91510KV-M	216	54	4	2.7 to 6.0	-40 to +105	1/4, 1/3	1/3, 1/2	3wire	-	6port (6ch PWM)	-	-	6ch 6bit	-	VQFP64	FSs	YES	
BU91520KV-M	276	69	4	2.7 to 6.0	-40 to +105	1/4, 1/3	1/3, 1/2	3wire +KEYOUT	-	6port (6ch PWM)	-	-	6ch 8bit	5x6 Max 30Key	VQFP80	FSs	YES	
BU91530KVT-M	445	89	5	2.7 to 6.0	-40 to +105	1/5, 1/4, 1/3, Static	1/3, 1/2	3wire +KEYOUT	✓	9port (9ch PWM)	-	-	9ch 8bit	5x6 Max 30Key	TQFP100V	FSs	YES	
BU91R63CH-M	176	44	4	2.7 to 6.0	-40 to +105	1/4, 1/3, 1/2, Static	1/3, 1/2	2wire	✓	-	-	-	-	-	Au Bump Chip	FSs	YES	
BU91R64CH-M	320	80	4	2.7 to 6.0	-40 to +105	1/4, 1/3, 1/2, Static	1/3, 1/2	2wire/3wire	✓	-	✓	-	-	-	Au Bump Chip	FSs	YES	
BU91R65CH-M	640	160	4	2.7 to 6.0	-40 to +105	1/4, 1/3, 1/2, Static	1/3, 1/2	2wire/3wire	✓	-	✓	-	-	-	Au Bump Chip	FSs	YES	

Low Duty LCD Segment Drivers for Industrial Application																		
Part No.	Display (dots)	Outputs		Operating Voltage (V)		Operating Temperature (°C)	Duty	Bias	Interface	EVR	GPO	Independent Blink	LED Driver (port)	PWM Gen.	Keyscan	Package		
		seg.	com.	I/F Power Supply (V _{DD})	LCD Power Supply (VLCD)													
BU97941FV-LB	104	26	4	1.8 to 3.6	2.7 to 5.5	-40 to +85	1/4, 1/3, Static	1/3	3wire	-	-	-	4	-	-	SSOP-B40		
BU9795AFV-LB	108	27	4	2.5 to 5.5	-40 to +85	-	1/4	1/3, 1/2	3wire	-	-	-	-	-	-	SSOP-B40		
BU97931FV-LB	112	28	4	1.8 to 3.6	2.7 to 5.5	-40 to +85	1/4, 1/3, Static	1/3	3wire	-	5port	✓	1	1ch 8bit	-	SSOP-B40		

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 *1 For more information about "ComfySIL™ Functional Safety", please refer to the reverse side of the cover.