

カテゴリ別PDF

ディスプレイドライバ編

IC

ディスプレイドライバ **IC**

TN/STN液晶表示用ドライバシリーズ — 78
LCD用 汎用セグメントドライバ 78

ディスプレイドライバ

TN/STN液晶表示用ドライバ

P.78

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TN/STN液晶表示用ドライバ

LCD用 汎用セグメントドライバ

低Duty LCDセグメントドライバ

| 品名 | 表示 (dots) | 出力 | | 動作電圧(V) | | 動作温度 (°C) | Duty | バイアス | I/F | EVR | GPO | Independent Blink | LED ドライバ (port) | PWM Gen. | Keyscan | パッケージ | |
|-------------|--------------|------|------|----------------------------|----------------|--------------|-----------------------|----------|--------------|-----|-----------------|----------------------|-----------------------|-------------|---------------|-------|--------------|
| | | seg. | com. | I/F部 (V _{DD}) | LCD部 (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 |

ディスプレイドライバ

LCD用 汎用セグメントドライバ

| 車載向け低Duty LCDセグメントドライバ | | | | | | | | | | | | | | | | | | |
|------------------------|--------------|------|------|----------------------------|----------------|---------------------------------|---------------|---------------|-----|-------------------|-----|----------------------|-------------|---------------|--------------|-------|-----------------------------|------------------|
| 品名 | 表示 (dots) | 出力 | | 動作電圧(V) | | 動作温度 (°C) | Duty | ハイアス | I/F | EVR | GPO | Independent Blink | LED ドライバ | PWM Gen. | Keyscan | パッケージ | ComfySIL™ 機能安全 カテゴリ*1 | 車載対応 AEC-Q100 |
| | | seg. | com. | I/F部 (V _{DD}) | LCD部 (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, 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, 4.5 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, 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, 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, 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 | |

| 産業機器向け低Duty LCDセグメントドライバ | | | | | | | | | | | | | | | | | | |
|--------------------------|--------------|------|------|----------------------------|----------------|------------------|----------|-------|-----|-------|-----|----------------------|-----------------------|-------------|----------|----------|-----------------------------|------------------|
| 品名 | 表示 (dots) | 出力 | | 動作電圧(V) | | 動作温度 (°C) | Duty | ハイアス | I/F | EVR | GPO | Independent Blink | LED ドライバ (port) | PWM Gen. | Keyscan | パッケージ | | |
| | | seg. | com. | I/F部 (V _{DD}) | LCD部 (VLCD) | | | | | | | | | | | | ComfySIL™ 機能安全 カテゴリ*1 | 車載対応 AEC-Q100 |
| 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 | FSs | YES |
| BU9795AFV-LB | 108 | 27 | 4 | 2.5 to 5.5 | -40 to +85 | 1/4 | 1/3, 1/2 | 3wire | - | - | - | - | - | - | - | SSOP-B40 | FSs | YES |
| 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 | FSs | YES | |

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*1 「ComfySIL™機能安全カテゴリ」の詳細については表紙の裏面をご覧ください。