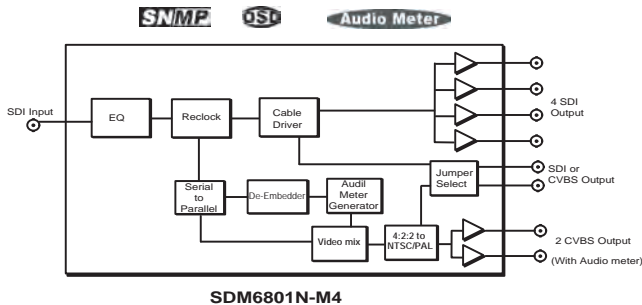
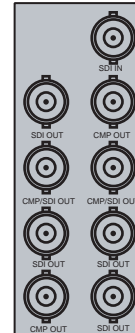


**Description:**

The SDM6801N-M4 is a video distribution and monitoring module with video D/A conversion. It has one SDI input and can provide up to 6 channels of SDI outputs and four channels of CVBS outputs via jumper. It also supports embedded audio monitoring.

**Features:**

- ▶ One channel SDI input
- ▶ Up to 6 channels of reclocked SDI outputs
- ▶ Up to 4 channels of CVBS outputs
- ▶ Analog video format supported: PAL-B, PAL-M, NTSC
- ▶ EDH, freeze frame, and black field detection

**SDM6801N-M4****Specifications:** (Specifications are subject to change without notice)**SDI Video Input**

Signal Standard	SMPTE 259M-C; 270 Mbps, 525/625 SD component
Connector	BNC (IEC 169-8)
Impedance	75 ohm
Return Loss	>18dB to 270MHz
Maximum input cable	>300m

**SDI Video Output**

Output	Up to 6 channels of SDI outputs (2 jumpers selectable)
Connector	BNC (IEC 169-8)
Overshoot	<10% (all outputs terminated)
Impedance	75 ohm
Return Loss	>18dB to 270MHz
Signal Level	800mV +/- 10%
Jitter	<0.2 UI
Rise and Fall Time	0.4-0.7nS (20% to 80% of amplitude)

**Analog Composite Output**

Standards	NTSC, PAL-M, PAL-B
Number of Outputs	Up to 4 channels of CVBS outputs (2 jumpers selectable)
Signal Level	1 Vp-p nominal (+/- 10% adjustable)
DC Offset	0 mV +/- 14 mV (2 IRE)
Impedance	75 ohm
Return Loss	>40dB to 5.75 MHz
Output Quantization	10 bits
Frequency Response	<+/-0.25 dB to 5 MHz
Differential Gain	<1.5%
Differential Phase	<1.2 °
S/N Ratio	>54dB RMS to 5 MHz
Test Signal	color bar: 100/0/75/0

**Power Consumption**

Power	< 3.3 W
Positive Rail	450 mA
Negative Rail	10mA

**Ordering Information:**

SDM6801N-M4	SD-SDI video distribution and monitoring module with embedded audio monitoring
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