SDI-001

SERIAL D1 TO RGB/YP_BP_R AND CVBS MODULE

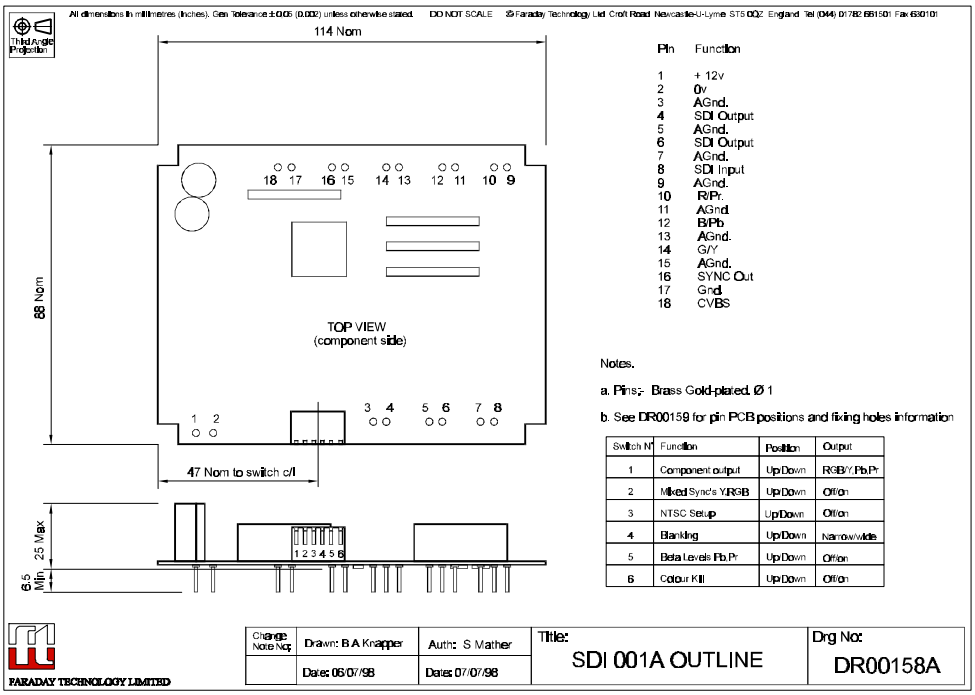
- Small compact design for pcb mounting
- 10 bit component outputs
- Simultaneous CVBS output
- Re-clocked SD outputs available
- Auto 625/525 operation
- Switchable RGB or YP_bP_r
- Full video bandwidth filtered outputs
- NTSC Setup selection

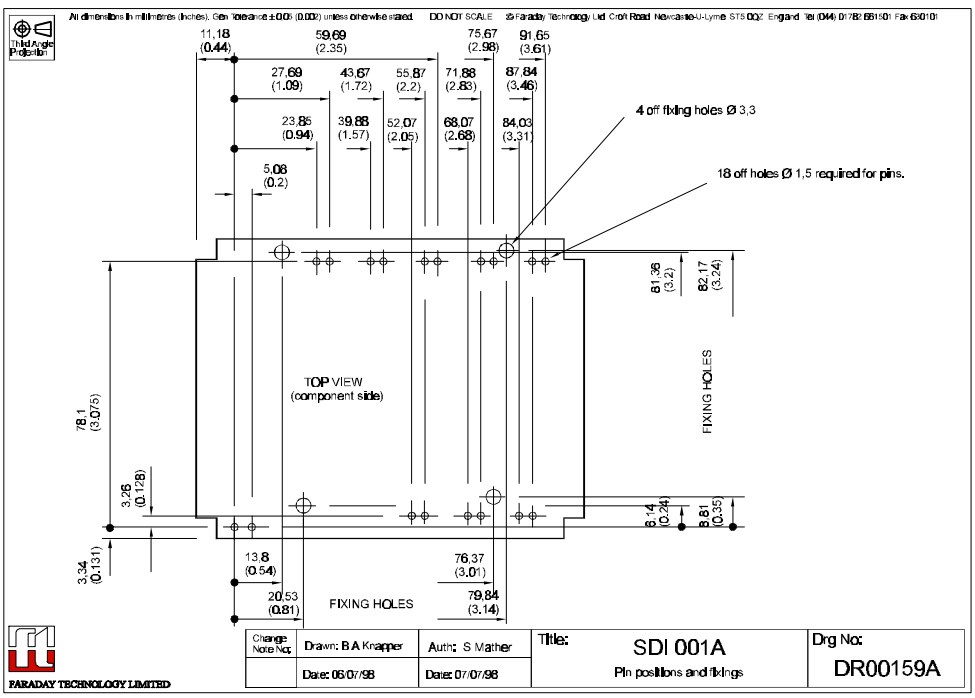
This interface card accepts D1 serial digits and provides simultaneous component (RGB or YP_bP_r), and composite analogue outputs, together with separate mixed sync's and two re-clocked serial digital D1 outputs. With other features such as the addition of mixed sync's to analogue outputs, Beta level selection, and Narrow or wide blanking selectable via a piano switch, it is anticipated that this versatile module will provide more solutions than just interfacing to most broadcast monitors.

Input Requirements	Input	1 x 270 Mb/s serial NRZI (EBU TECH 3267, SMPTE RP-259M)
	Input Impedance	75 ohm terminating
	Line standard	625/50 or 525/60 Auto detection
	Equalisation	Automatic up to 40 dB at 200 MHz (Typically 300m of Belden 8281 at 270mb/s)
Component Output Characteristics	Output format	Selectable RGB or YP_bP_r
	Output levels	700 mV ±1%
	Output Impedance	75 ohms
	Resolution	10 bit
	Freq. Response	< 0.2 dB to 5.5 MHz (RGB or Y), < 0.2 to 2.2 MHz(P_bP_r)
	K-rating (2T)	1% typical
	Noise	>70 dB rms to 5.5 MHz
Composite Video Characteristics	Output format	CVBS
	Output levels	700 mV ±1%
	Resolution	9 bit DAC/ 8 bit signal path
	Freq. Response	< 0.2 dB to 5.5 MHz
	Noise	> 60 dB rms at 5.5 MHz
Sync Output Characteristics	Sync output amplitude	2V ±5% into 75 ohm
	Sync amp. on RGB or Y	300 mV ±10 mV into 75 ohm
Other parameters	Power	+ 12V ±0.25V (400 mA max)
	Operating Temp.	0^0C to 40^0C
	Aqueous Washable	Yes
	Package	DR00158A/ DR00159A

ORDERING CODES	**Reclocked o/p's**
SDI-001A	**x**
SDI-001B	√

PACKAGE DETAIL





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