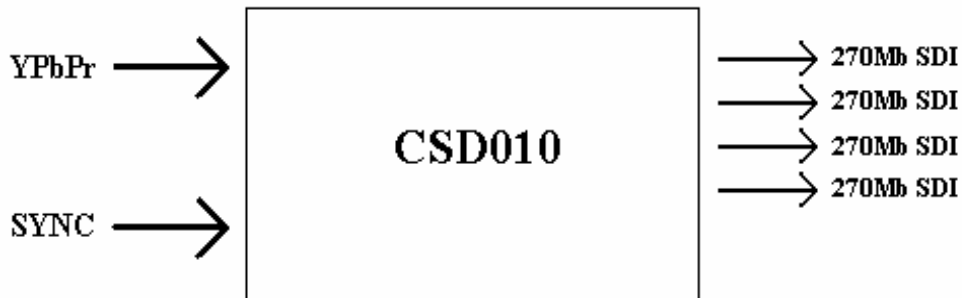




COMPONENT ANALOGUE TO SERIAL DIGITAL CONVERTER CARDS

CSD010



FEATURES

? Low profile PCB mounted

? Automatic 625/525 operation

? 10 bit YPbPr A-to-D conversion

? External sync input option

? 4 serial outputs

? DC powered

Designed to be a low cost solution for converting analogue component video to serial digital. The card can be built into existing systems and offered either as a standard feature or custom fitted option for individual systems.

INPUT CHARACTERISTICS

| | |
|------------------------|--|
| Input Signal | Analogue component YPbPr |
| Line standard | 625/50 or 525/60 |
| Levels | 0.7Vp-p, 1.0p-p on Y/G inc sync |
| Input impedance | 75 ohm terminating |
| Input Connectors | 2mm pitch pins |
| Sync Input | |
| Input impedance | 75ohm terminating |
| Reference signal level | 300mV nominal with loop-through terminated in 75 ohm |
| Input connectors | 2mm pitch pins |

OUTPUT CHARACTERISTICS

| | |
|--------------------|---|
| Output Signal | 10 bit 4:2:2 component, 270 b/s NZRI serial digital video EBU TECH 3267/ SMPTE RP259-M |
| Signal Amplitude | 800mV \pm 10% |
| Output Impedance | 75 ohm |
| Output Return Loss | >15dB, 5MHz to 270MHz |
| Output connectors | 2mm pitch pins |

VIDEO PERFORMANCE

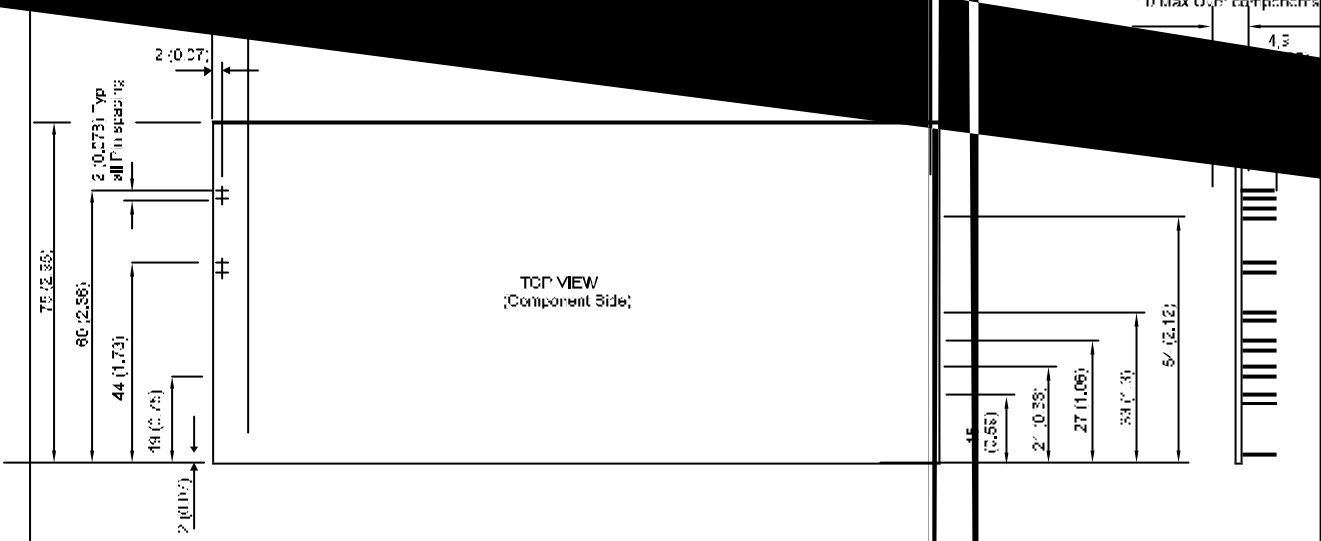
| | |
|------------------------|--|
| Gain Variation | <1% on any component |
| Frequency Response | \pm 0.2dB to 5.5MHz on Y input \pm 0.2dB to 2.2MHz Pb, Pr input |
| Pulse and Bar response | 2T <0.5%K Y input 4T <0.5%K Pb, Pr input |
| Delay Inequality | <10ns between channel |

INDICATORS

| | |
|----------------------|--|
| Sync Reference Error | Red LED |
| 525 Standard | Yellow LED |
| Power OK | Green LED |
| Installation Data | see DR00344A |
| Power supply | +9V dc to +15V dc -9V dc to -15V dc |

Order Code

| | |
|---------|-----------|
| CSD010A | sync on Y |
| CSD010B | EXT sync |



FARADAY TECHNOLOGY LIMITED

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