

# CONVERTER CARD PI-002

## PARALLEL TO ANALOGUE YPBPR/RGB 10 BIT LOW COST

**INPUT** Parallel multiplexed component signals to CCIR Rec 656  
SMPTE RP-125 coded.

Note. To ease interfacing into equipment data is latched by the rising edge of the clock.

Data rate	27 MHz
Data Set up time	3 nS min to positive edge of clock
Data hold time	2.5 nS min from positive edge of clock
Line standard	625/50 or 525/60 Auto detection

### Analogue Output Characteristics

Output format	YPbPr / RGB
Output levels	700 mV $\pm$ 1%
Output Impedance	75 Ohms $\pm$ 1%
Output return loss	> 40 dB to 5.5 MHz
Resolution	10 bit
Freq. Response	Luminance < 0.2 dB to 5.5 MHz Chrominance < 0.2 dB to 2.2 MHz
K-ratings	kp, kpb, kbar <1%
Noise	>70 dB rms to 5.5 MHz
<b>Power</b>	+5V $\pm$ 0.25V (300mA max)

### Mechanical Details

The following formats are available:

Format A	STD configuration with low profile pins and BNC connectors for outputs.
Format B	LOW profile pins and MCX connectors for outputs.
Format C	STAND-OFF configuration with BNC outputs.

## Connector Pinout

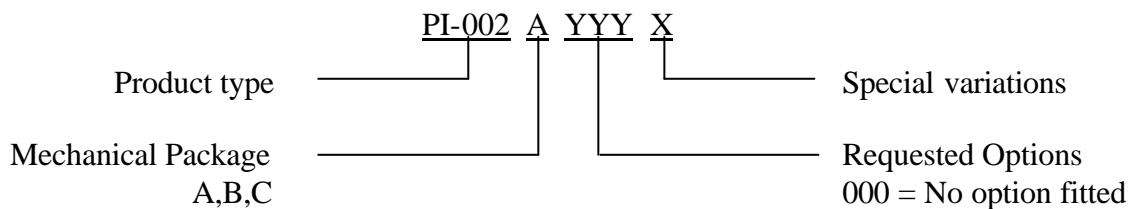
1	2	3	4	5	6	7	8	9	10	11	12
+5V	CLK	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9
13	14	15	16	17	18	19	20	21	22	23	24
+5V	+5V	NC	NC	NC	NC	RESET	NC	NC	GND	GND	GND
25	26	27	28	29	30	31	32	33	34	35	36
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	S/ON	RGB
37	38	39	40	41	42	43	44	45	46	47	48
NC	NC	NC	NC	NC	NC	NC	NC	NC	ID0	ID1	ID2

D0 to D9                    Parallel Data Bus D0 LSB , D9 MSB  
 CLK                         Parallel Data clock  
 RGB                        +5v=RGB output 0v=YpPr output  
 SON                        +5v=Sync on RGB/Y 0v= No sync  
 ID0,ID1,ID2              Card type identification code.

## Card Type Identification code.

CARD TYPE	ID2	ID1	ID0
PI-002	0v	+5v	0V

## Ordering codes



Note: This item is **NOT** aqueous washable.

# PACKAGE DETAIL

