

CONVERTER CARD PO-005

FIBRE OPTIC RECEIVER TO 10 BIT VIDEO

The PO-005 converter card is a stand alone solution for single channel fibre optic to 10 bit parallel video. Using the Gennum chipset the module provides EDH insertion for SMPTE 259M compliant signals. The module can successfully receive a serial digital signal over a range of up to 7km. The PO-005 compliments the PI-005 10 bit parallel video to optic fibre transmitter.

INPUT

Optical wavelength	1270nm to 1380nm
Optical input sensitivity	-29dBm for BER <1x10E-12
Optical input overload	-14dBm for BER <1x10E-12

OUTPUTS

Output signal	CCIR Rec. 656 10 bit parallel video

SUPPLY

Power:	5V
Current:	300mA max

EDH OPTION

Indications:	EDH - Error detected Here	**(Note 1)**
	EDA - Error detected already	**(Note 1)**
	UES - Unknown Error status	**(Note 1)**
Controls:	TRS - Insert:	**(Note 2)**
	Bypass Mode:	**(Note 2)**

Note 1. These are accessible only through the serial interface SCL and SDA.
Note 2. These are available only through the I/O interface see connector for details.

CONNECTORS

Input	ST multimode
Output	48 PIN Z-PAC 4 row x 12 on 2mm pitch

INDICATORS Carrier Detected (Green) LED

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Connector Pinout

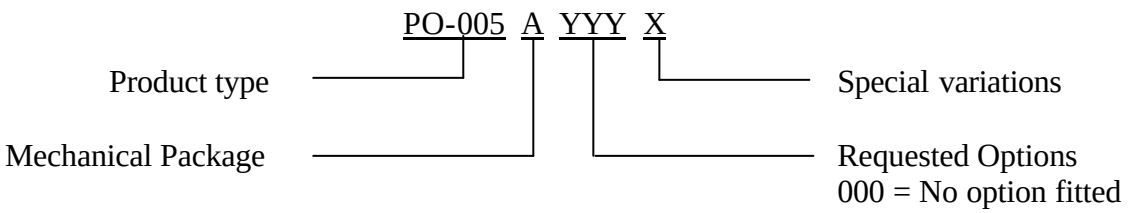
1 +5V	2 CLK	3 D0	4 D1	5 D2	6 D3	7 D4	8 D5	9 D6	10 D7	11 D8	12 D9
13 +5V	14 +5V	15 A0	16 A1	17 SDA	18 SCL	19 RESET	20 TRS INSERT	21 BYPASS EDH	22 GND	23 GND	24 GND
25 NC	26 NC	27 NC	28 NC	29 NC	30 NC	31 NC	32 NC	33 NC	34 NC	35 NC	36 ID3
37 IO8	38 IO9	39 IO10	40 IO11	41 IO12	42 NC	43 NC	44 NC	45 NC	46 ID0	47 ID1	48 ID2

RESET	When taken low resets the internal circuitry of the serial digital input processor.
BYPASS EDH	Internally pulled high: When high EDH packet is passed through unaltered.
TRS INSERT	Internally pulled high: Pull low to disable TRS Blanking, ITU-601Clipping & TRS Insertion.
D0 to D9	Parallel Data Bus D0 LSB , D9 MSB
CLK	Parallel Data clock
A0,A1	Address lines to modify I^2c bus address.
SCL,SDA	I^2c data and clock lines
ID0,ID1,ID2,ID3	Card type identification code.
IO8-IO12	Do not connect.

Card Type Identification code.

CARD TYPE	ID3	ID2	ID1	ID0
PI-005	0V	+5V	0V	0V

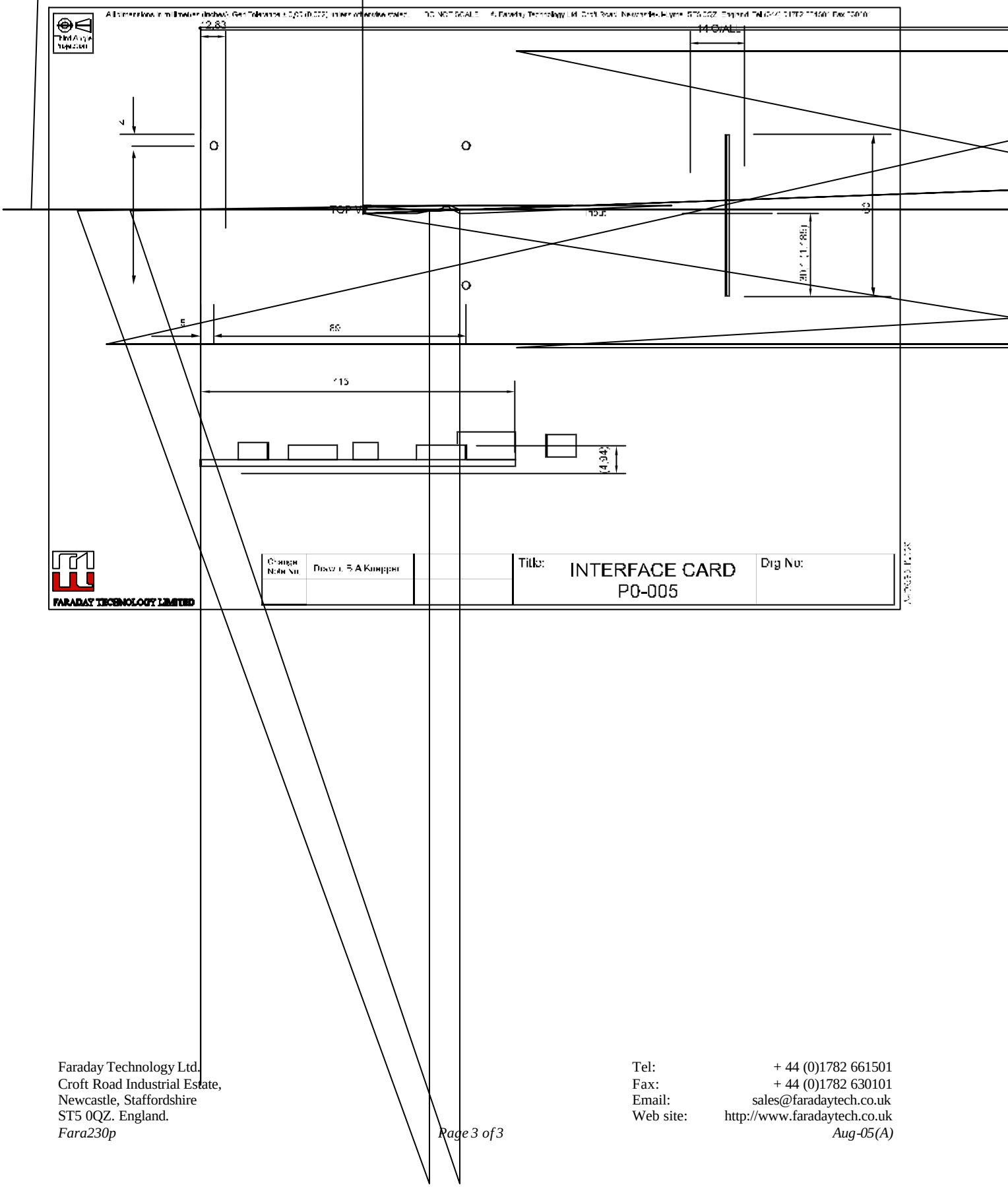
Ordering codes



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

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PACKAGE DETAIL



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