KD-CON™ PECL MULTIPLEXER

2 channel of bidirectional PECL

The KD-Con™ PECL (Positive Emitter-Coupled Logic) fibre Mux is a rack mountable unit that fit the KD-Con™ subsea pod and topside rack. It's normally used by single or dual head multi beam sonars.

Backplane design together with all fibre units terminated to a single front plate LC fibre connector, enables easy system swap.

Units comes with complete fibre diagnostics when used together with the KD-Con™ Video Multiplexer.

FEATURES

- In/Out: 4 PECL (2 in/2 out) (Normally set for up link only)
- Fibre optic diagnostic (interconnected through
- the Video Mux)
- Simplex SM 9/125 LC Fibre Connector
- Voltage: 6 – 12 V
- Power consumption: 300mA@12V
- 8ch CWDM, 1470 to 1610nM
- Fibre Transmit output power: 0 to +5dBm
- (Front LC Con: 0dBm typical)
- Fibre Receiver sensitivity: -28 to -9dBm
- (Front LC Con: -26 to -7dBm typical)
- Size: 3U, 14HP

PART NO:	
101192	KD-CON™ PECL MULTIPLEXER SUBSEA
101193	KD-CON™ PECL MULTIPLEXER TOPSIDE

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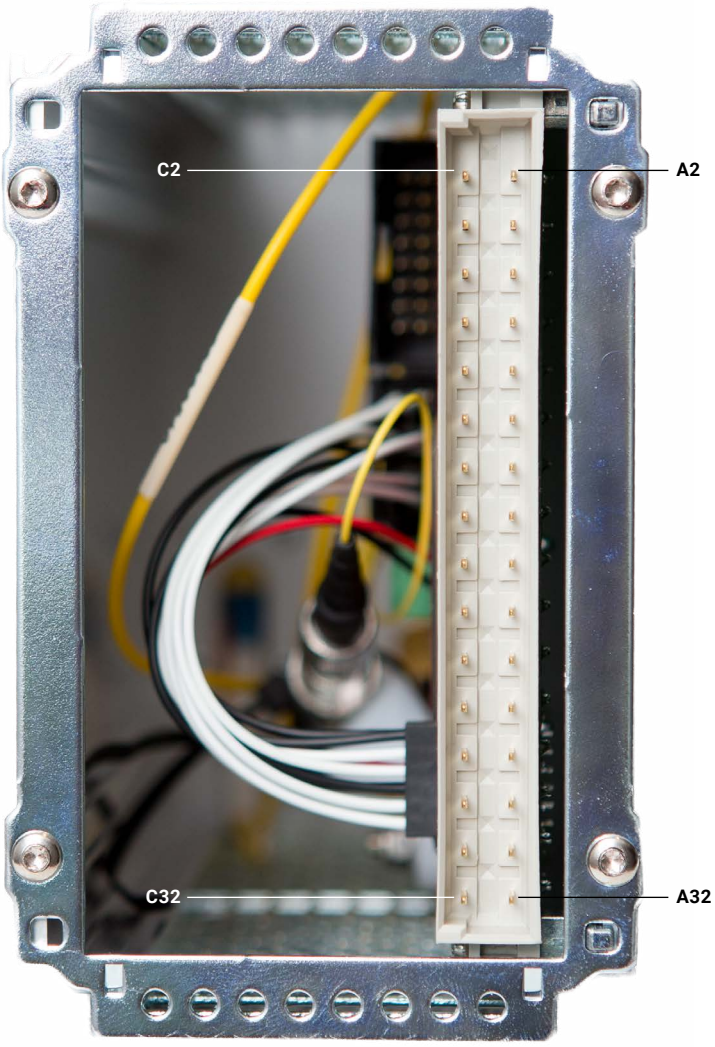
The PECL mux contains a LINK PECL input fibre card. Topside is equivalent to the subsea unit except from its SFP configuration. An 8 channel CWDM links the LINK card fibre SFP transceivers to a single front plate LC fibre connector.

The AV Cards are the main node for the LINK family fibre optic diagnostics, topside and subsea. The SFP fibre transceivers transmit output power is typically 0 to +5dBm and receivers sensitivity is -28 to -9dBm. Hence minimum fibre line attenuation must be approx. 10dB. If necessary, attenuators have to be installed.



BACKPLANE CON

EURO-C 32P AC16 ST

PIN	A	C
2	0V (12V GND)	
4	12VDC	
6		
8	SDA	SCL
10	DATA -	DATA +
12	0V (12V GND)	
14		
16		
18		
20		
22	RESERVED	
24		
26		
28		
30		
32		

Please Note

- The PECL mux is configured as uplink only. There is no PECL fibre down link. Hence, subsea fibre diagnostics will only indicate fibre Tx power and Infinite Rx level (no light).
- Topside PECL mux is equivalent to the Subsea mux. Hence, Topside Fibre Diagnostic SW will name the PECL output card as “Input”Topside

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