

Product Features

4 Zero Insertion Force sockets in one module

User-configurable pin-headers allow multiple laser pin-outs

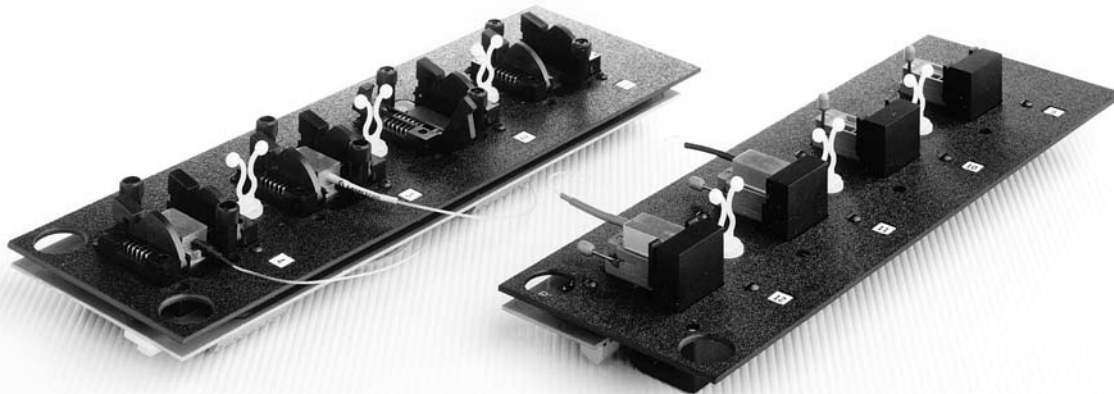
Hard-wired DFB pin-out version available

Supports control of internal TE coolers

Fiber management spools for handling excess pigtail fiber

The LDM-4604 Series of Laser Diode Mount Modules give you unprecedented flexibility to mix and match laser package types in the 16-Channel LDM-4616 Laser Diode Mount from ILX Lightwave. Modules are available for both 14-pin DIL (Dual-In-Line) and Butterfly lasers. Footprint compatible mini-DIL lasers can also be mounted in the DIL modules. Pin-configuration headers allow for multiple laser pin-outs, or select the LDM-4604 DFB version with hard-wired DFB pin-out.

Each module has four channels, and up to four modules can be used in each rack-mountable slide-out chassis for a total of 16 channels per chassis. Empty mount chassis can be purchased for cost effective flexibility. Mount chassis can be partially filled with modules to allow room for additional components to be placed next to the lasers. To simplify fiber management and to ensure that fiber pigtails point to the chassis center, both right and left-sided modules are available.



Interchangeable Butterfly and DIL Mount Modules for 16-Channel Control

LDM 4604 Series

Laser Diode
Mount Modules

LDM 4604 Series

Laser Diode Mount Modules

Specifications

	DIL MODULE	BUTTERFLY MODULE
LASER PACKAGE STYLES:	14-pin DIL	14-pin Butterfly
(fixed pin-out or configurable)	8-pin mini-DIL (straight leads)	

ELECTRICAL INPUT:

Maximum Laser Current:	1 A	3 A
Maximum TEC Current:	1 A	3 A

PIN CONFIGURATION FOR DFB VERSION ONLY

Pin 1:	Thermistor
Pin 2:	Thermistor
Pin 3:	Laser Cathode
Pin 4:	Photodiode monitor Anode (-)
Pin 5:	Photodiode monitor Cathode (+)
Pin 6:	TEC(+)
Pin 7:	TEC(-)
Pin 8:	Laser Anode (case)
Pin 9:	Laser Anode (case)
Pin 10:	Laser Anode (case)
Pin 11:	Laser Anode
Pin 12:	N/C (float)
Pin 13:	Laser Anode
Pin 14:	Laser Anode (case)

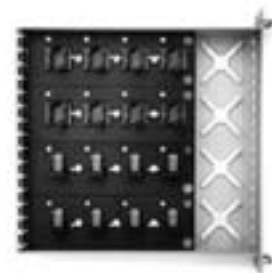


When coupled with the LDC-3916 Multi-Channel Controller, the LDM-4616 provides a configurable, cost-effective solution for multi-channel DWDM signal sources. The tray can also support many popular 980 nm and 1480 nm pump laser diodes for EDFA test applications.

ORDERING INFORMATION

LDM-4604/RDIL	DIL Mount Module (Right Bay)
LDM-4604/LDIL	DIL Mount Module (Left Bay)
LDM-4604/RBFY	Butterfly Mount Module (Right Bay)
LDM-4604/LBFY	Butterfly Mount Module (Left Bay)
LDM-4604/RDFB	DFB Butterfly Mount Module (Right Bay)
LDM-4604/LDFB	DFB Butterfly Mount Module (Left Bay)
LDM-4600	Multi-channel Mount Chassis (for LDM-4604 Modules)
LDM-4616	16-Channel Butterfly Mount
LDM-4616DFB	16-channel DFB Butterfly Mount
RM-141	Slide Rail Rack Mounting Kit (20.5" hole spacing)
RM-142	Slide Rail Rack Mounting Kit (25" hole spacing)
MA-401	Mating Adapter: FC-APC/FC-APC, Wide/Wide keys = N/N = 2.15/ 2.15mm
MA-402	Mating Adapter: FC-APC/FC-APC, Narrow/Wide keys = R/N = 2.05/ 2.15mm
MA-403	Mating Adapter: FC-APC/FC-APC, Narrow/Narrow keys = R/R = 2.05/ 2.05mm
MA-404	Mating Adapter: FC-APC/SC-APC, Wide key = N = 2.15mm
CC-305S	Current Source/Laser Diode Mount Interconnect Cable
CC-316M	Current Source/Laser Diode Mount Interconnect Cable (bundle of 8)
CC-505S	TE Controller/Laser Diode Mount Interconnect Cable
CC-516M	TE Controller/Laser Diode Mount Interconnect Cable (bundle of 8)

In keeping with our commitment to continuous improvement, ILX Lightwave reserves the right to change specifications without notice and without liability for such changes.



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Rev. 3/1/01