

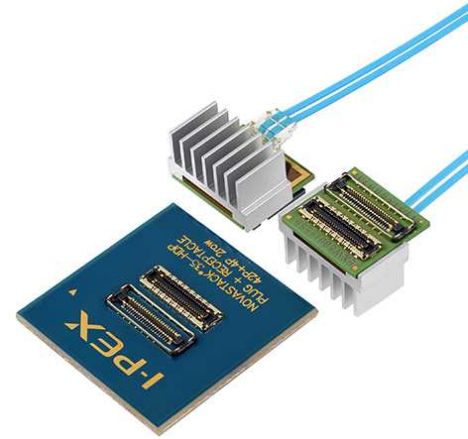
LIGHTPASS™-EOM 100G

100Gbps (25Gbps x 4ch) Bi-directional, High Density, Low power, mid-board optical module

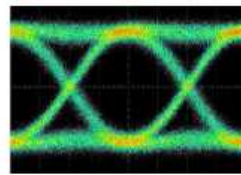
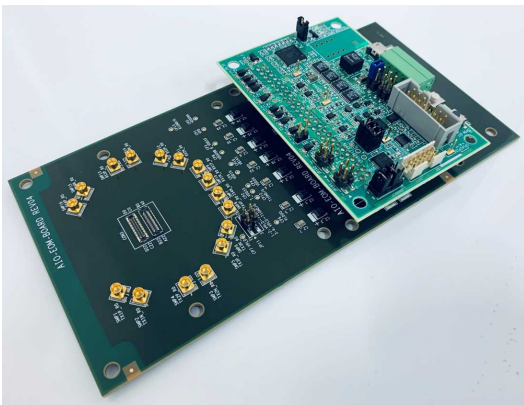
Product Specifications:

High Channel Capacity	25 Gbps x 4 ch
High Density	12 mm x 14 mm
Case Temperature Operating Range	0 to 85 degC
Electrical Interface	Socket Connection (NOVASTACK 35-HDP)
Optical Interface	12 core MT-connector
Power Supply	1.0, 1.1 and 3.3V
Low Power Consumption per Gbps	< 10 mW/Gbps for TX-RX pair

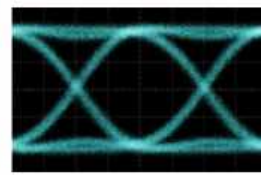
* Please inquire for pin counts not listed or outside of the pin count range.



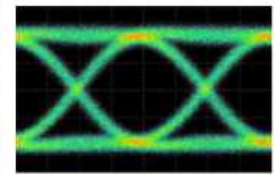
High Speed Transmission Mid-Board Optical module



-40°C



25°C



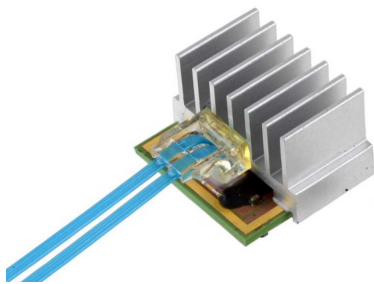
85°C

Eye pattern in the temperature range of -40 to 85 °C at 100 Gbps (25 Gbps x 4 ch)

Low power consumption per Gbps

Compared with other company's product

30% less power consumption

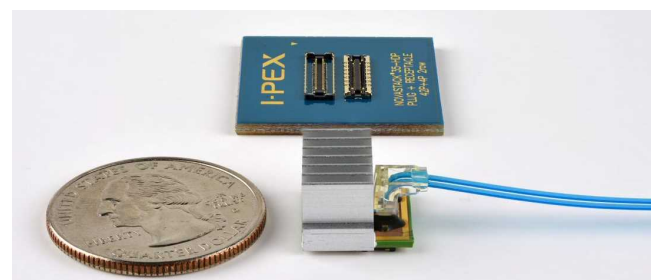
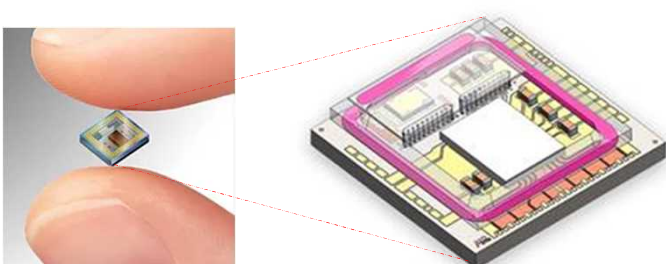


Power consumption < 1W



Power consumption < 3.5W

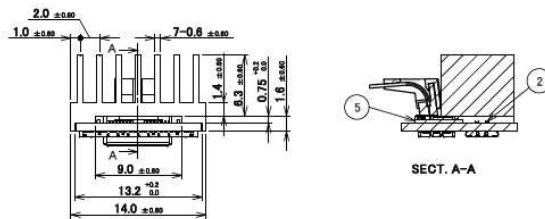
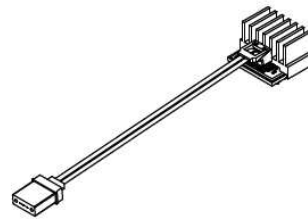
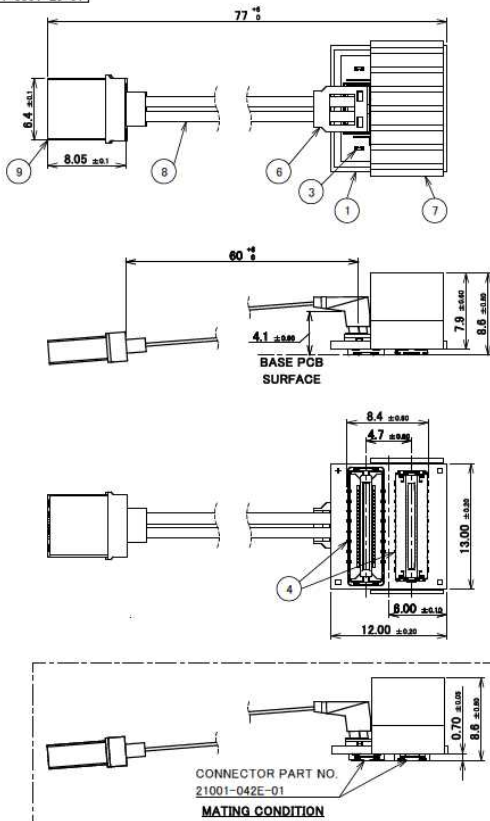
Ultra Small Optical Module



Component Parts Detail

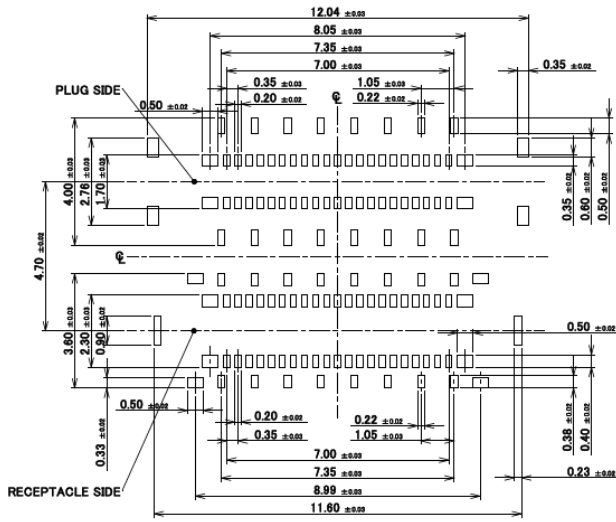
EOM 100G Optical Module

Recommended P/N 88001-000T-25-01
 PART NO.
 88001-000T-25-01

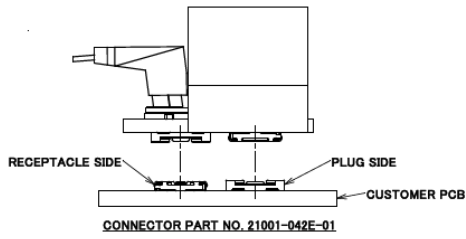
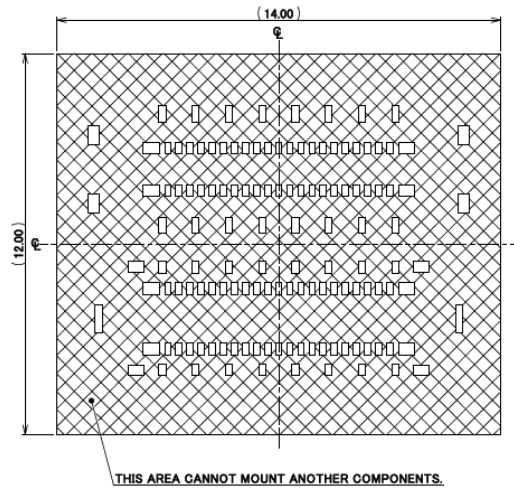


9	12-MT FERRULE	-	-
8	4-CORE TAPE FIBER x2	-	-
7	HEATSINK	-	-
6	OPTICAL CONNECTER	-	SERIAL NUMBERING
5	OPTICAL I/O CORE	-	TIP NUMBERING
4	NOVASTACK® 35-HDP WITH VACUUM CAP ASSY P/N 21001-042E-01	-	-
3	CAPACITOR	-	FOR POWER SUPPLY NOISE FILTER 105°C HEAT RESISTANT 0603 4V 2.2 μ F
2	CAPACITOR	-	MULTILAYER CERAMIC CAPACITOR 0402 0.1 μ F
1	GLASS CERAMIC SUBSTRATE	-	-
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS

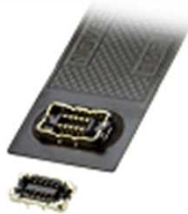
EOM 100G Optical Module



RECOMMENDED FOOTPRINT PATTERN LAYOUT FOR CUSTOMER PCB



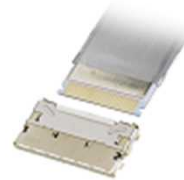
Board to Board



High-Density



Autolocking FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial / Discrete Cable



High-Speed



RF



High-Frequency



Optical Module



High-Speed



Power



High-Power



I/O (Input/Output)



Quick charge

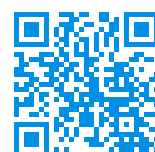


Effector



Custom Connectors Available

Inquiry



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