

# LIGHTPASS®-EOB 100G

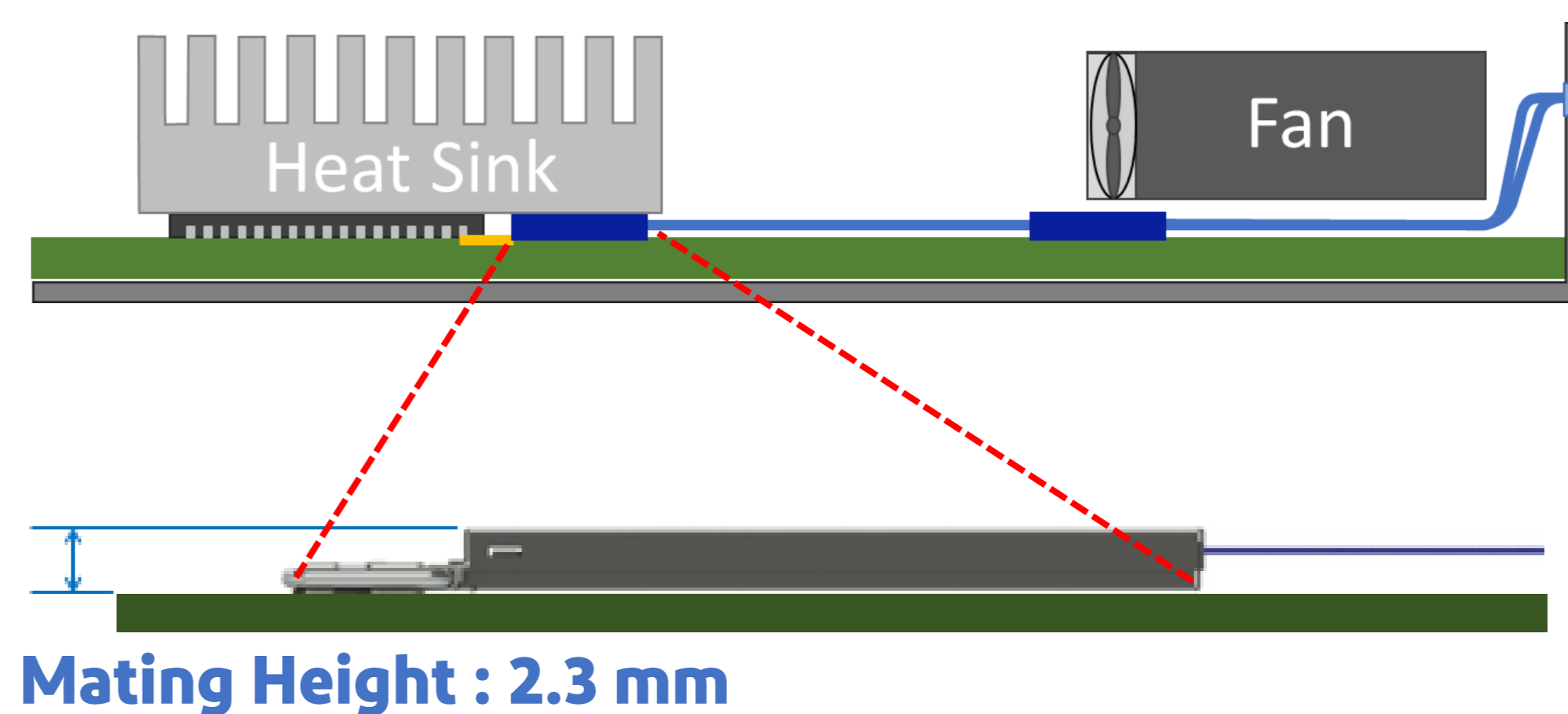
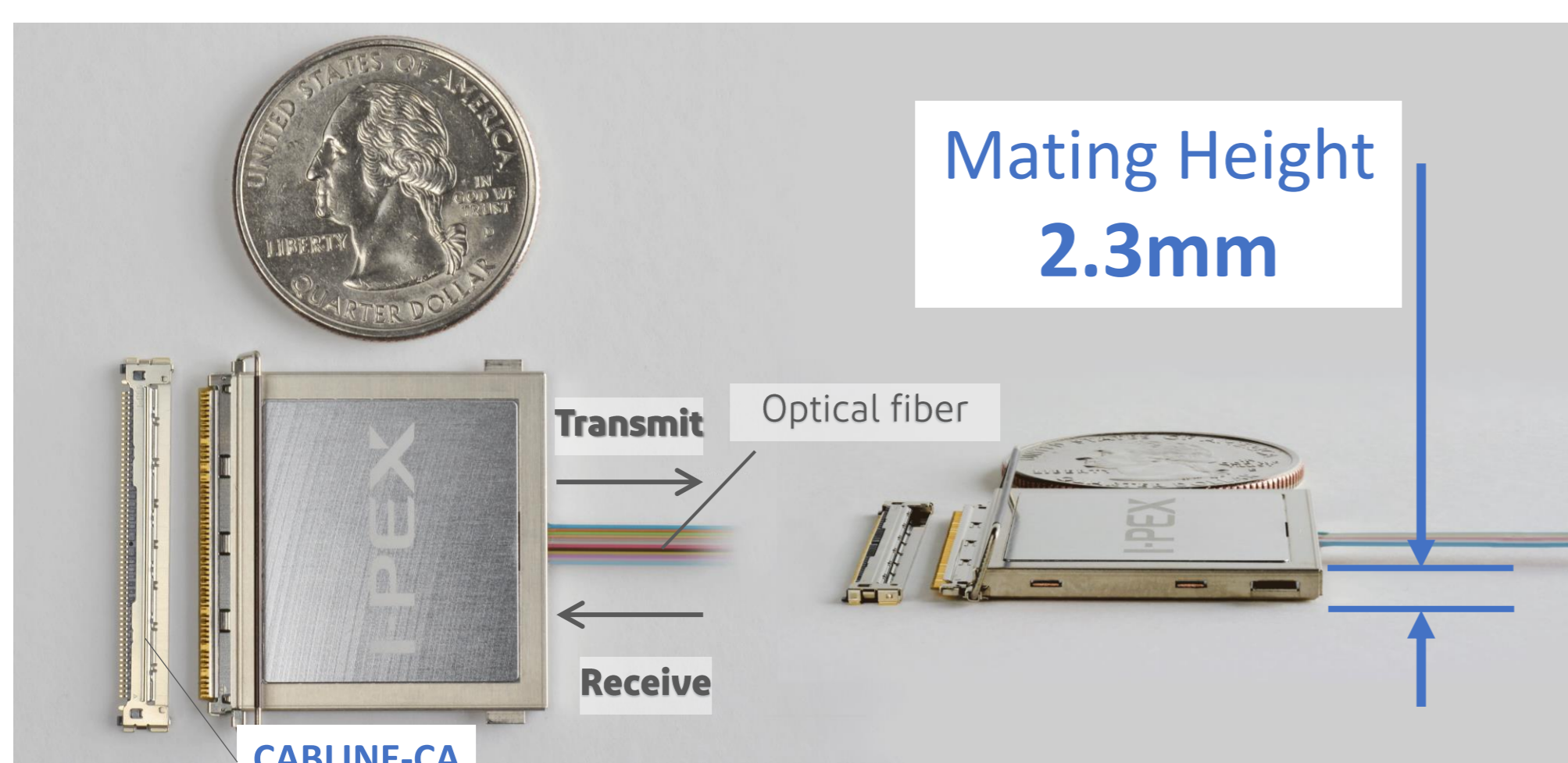
100 G(25 Gbps x 4 ch) Bi-directional, Low profile, MPU integrated, Low power consumption, photoelectric conversion module

**Product Specifications:**

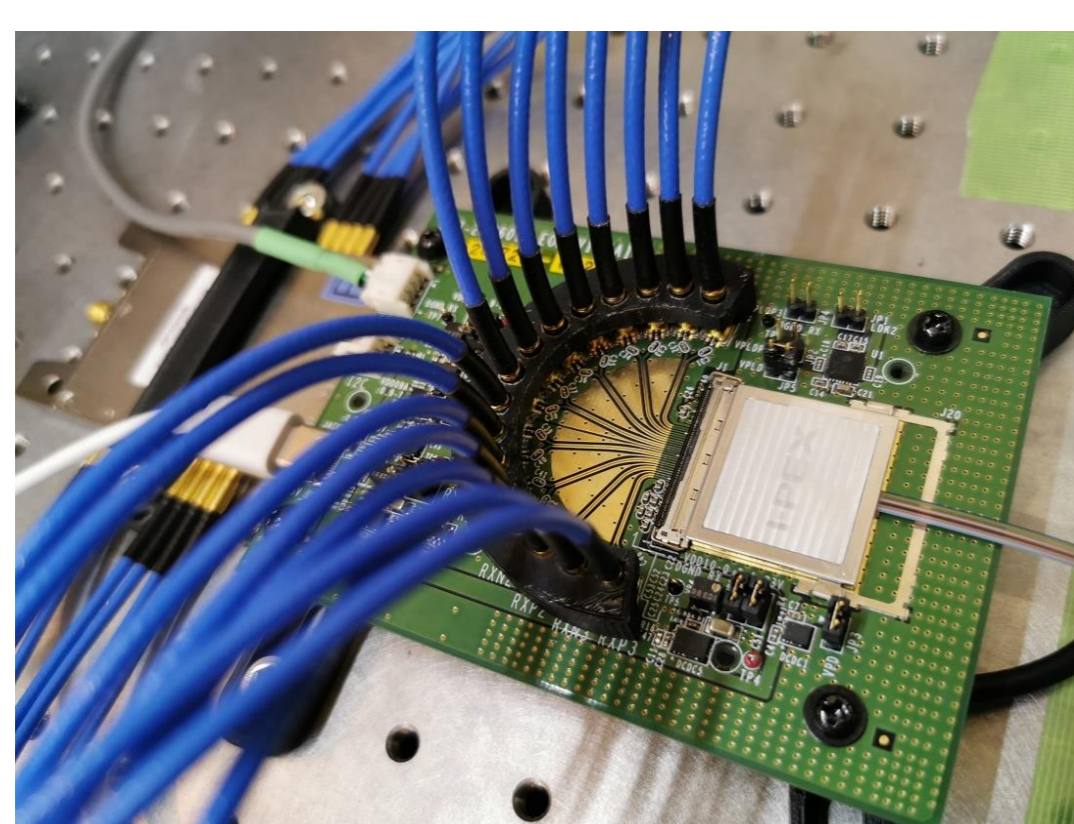
High Channel Capacity	100 Gbps (25 Gbps x 4)
Size	29.01 x 29.75 x 2.30
Case Temperature Operating Range	-40 ~ 85 degree
Electrical Interface	I-PEX CABLINE®-CA 60P
Optical Interface	12 core MT Connector via 12 core Multi Mode Fiber
Power Supply	0.9,1.0 and 3.3V
Low Power Consumption per Gbps	Consumption per Gbps: < 35 mW/Gbps for TX-RX pair



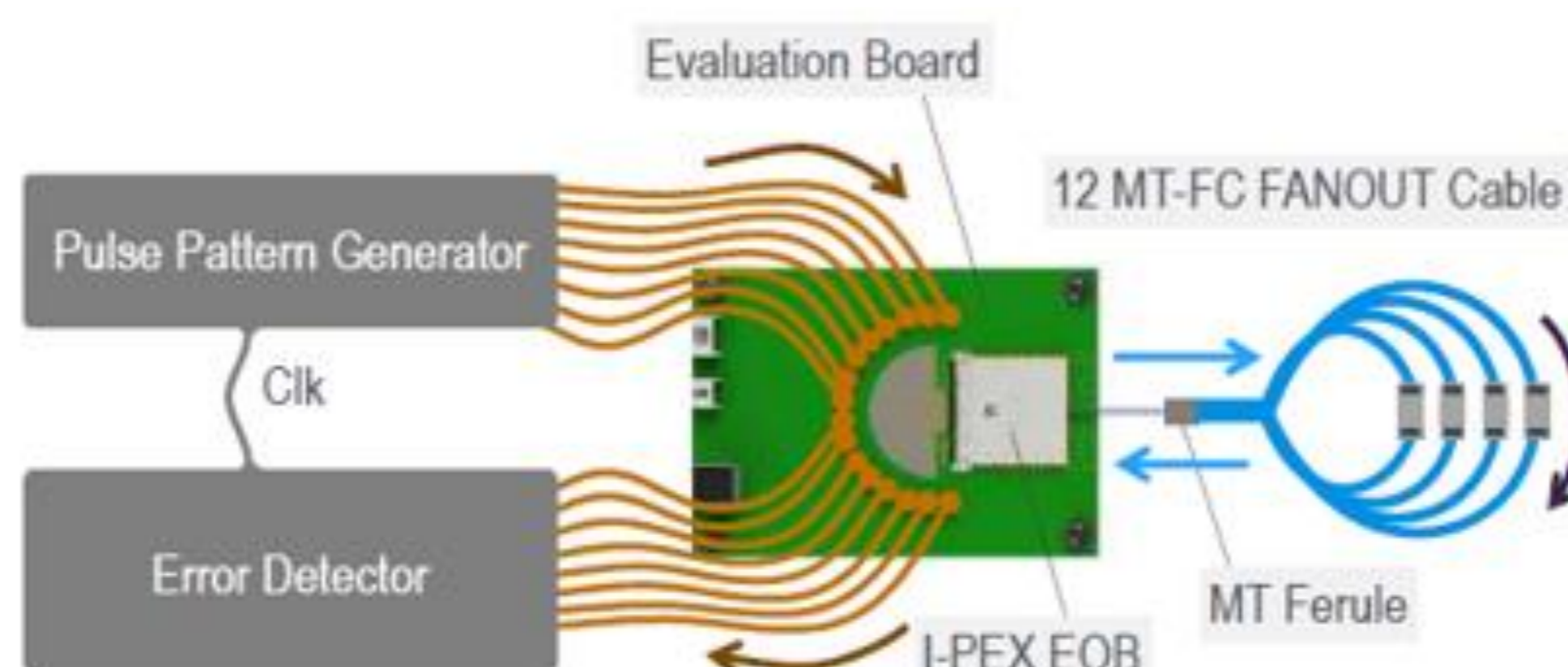
## ▶ Ultra-Thin Mating Height : 2.3 mm



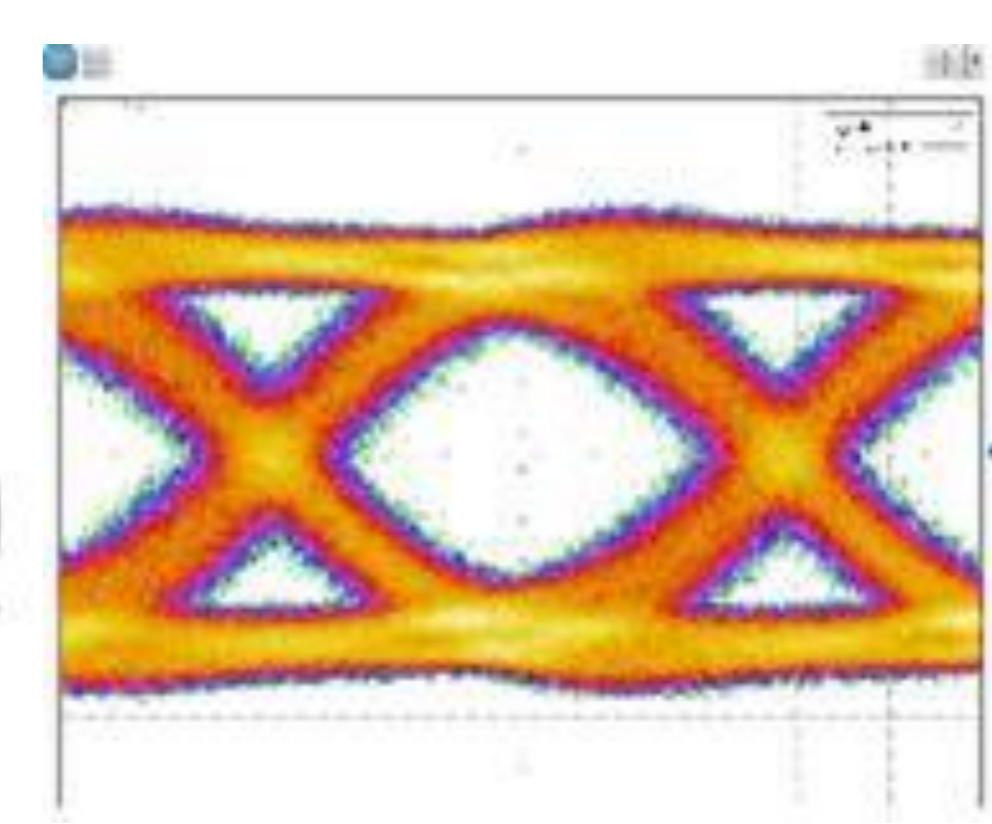
## ▶ High Speed Transmission : 100 Gbps ( 25 Gbps x 4 Channel )



Evaluation Board

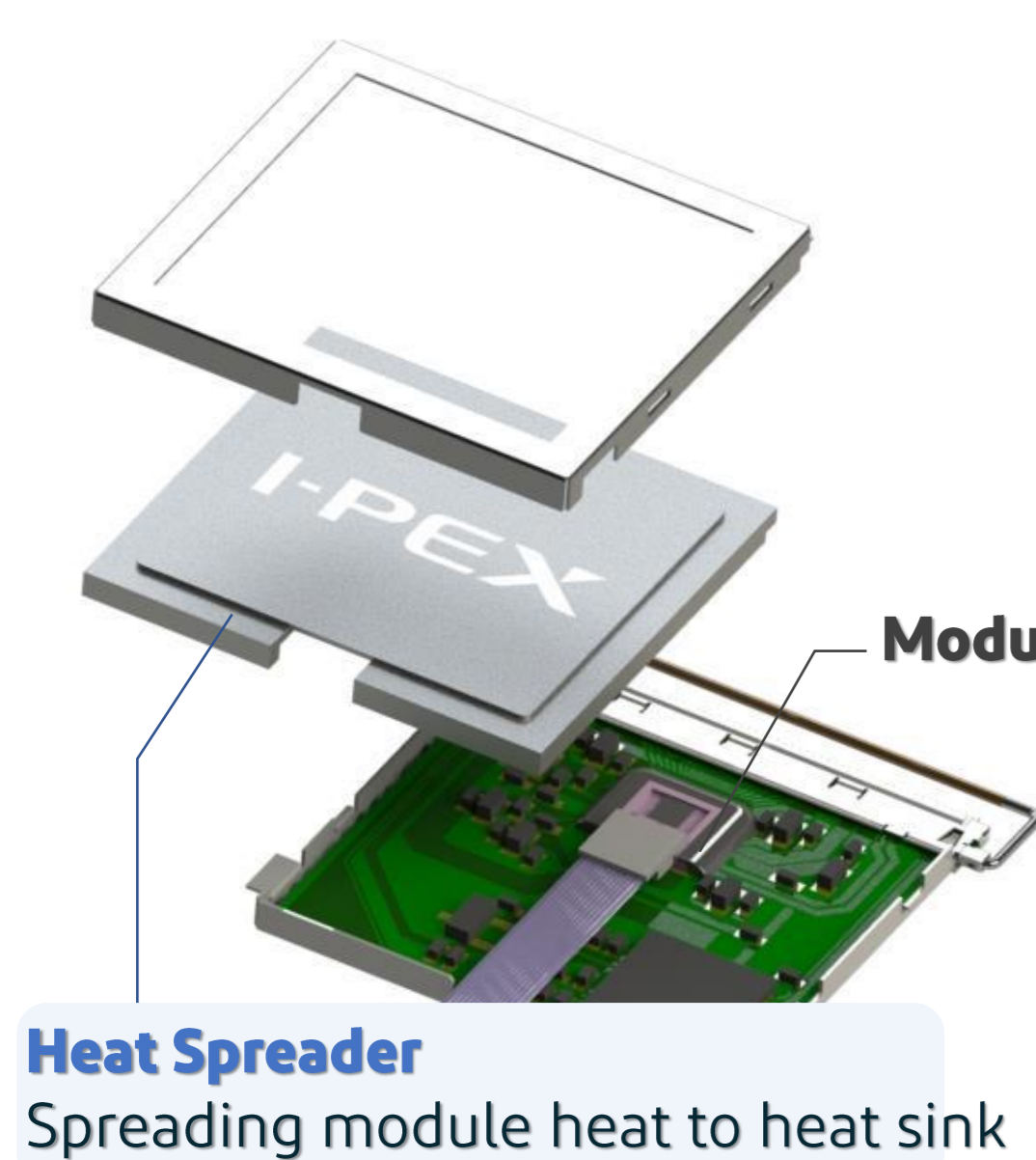


Test Fixture



Eye pattern

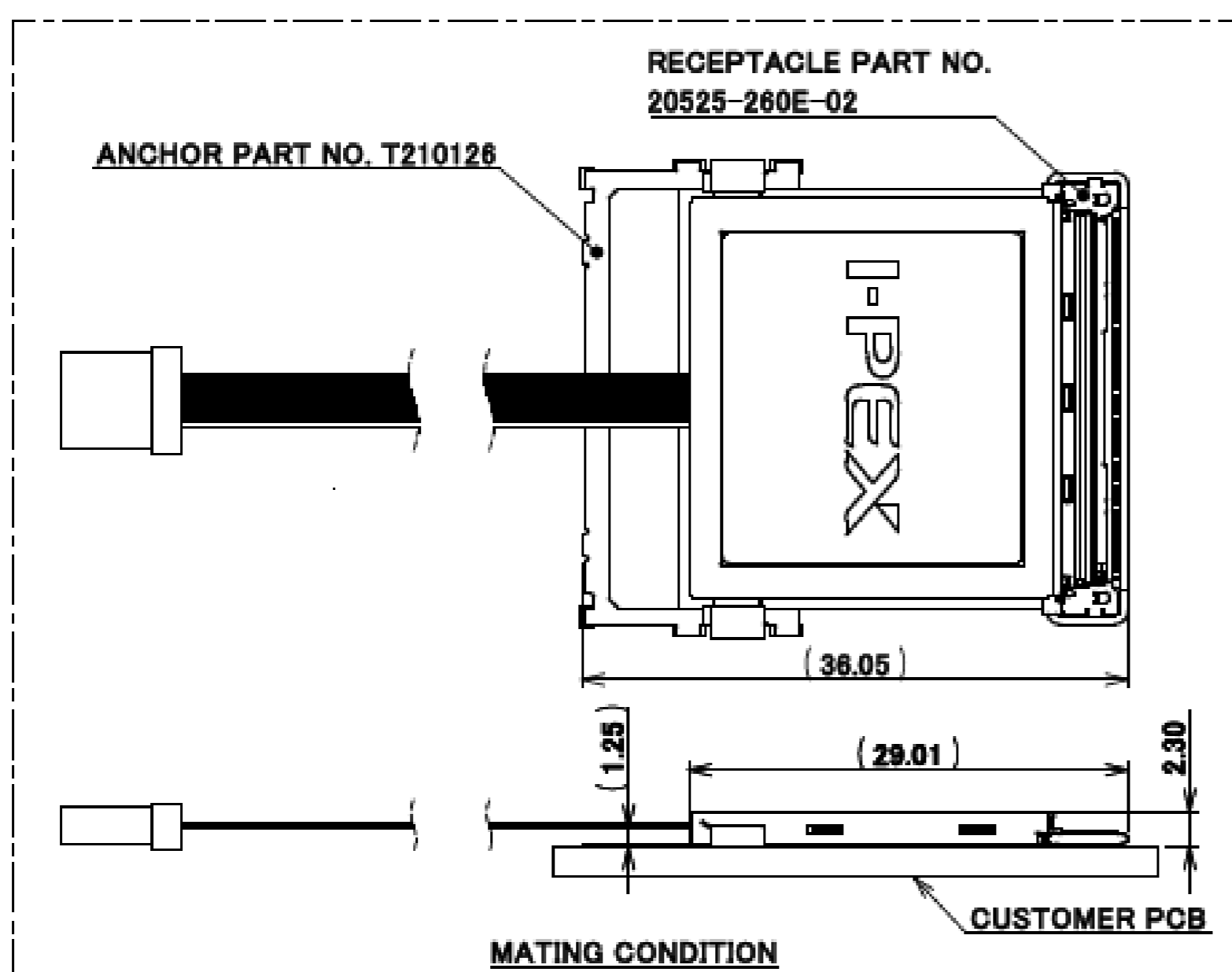
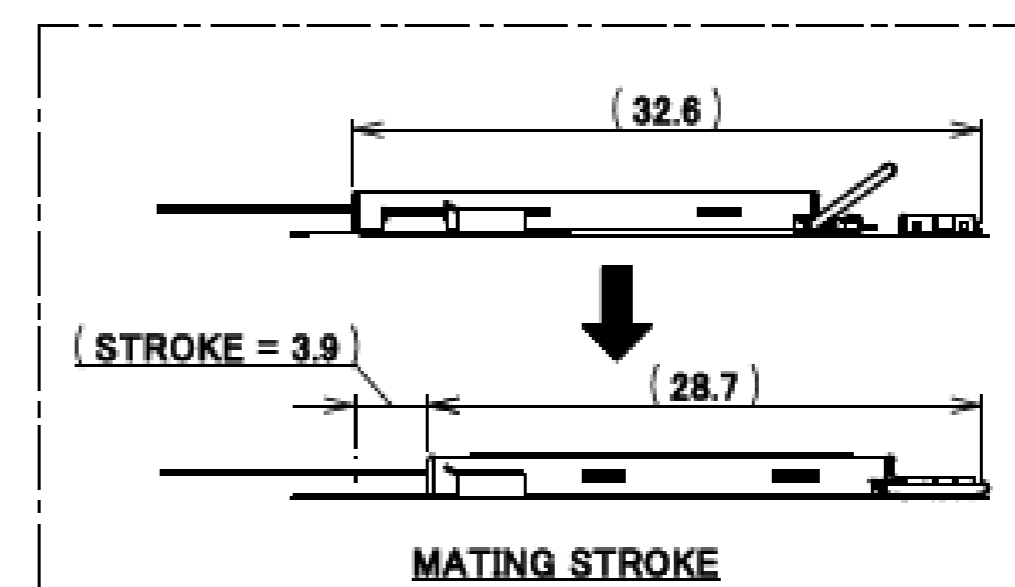
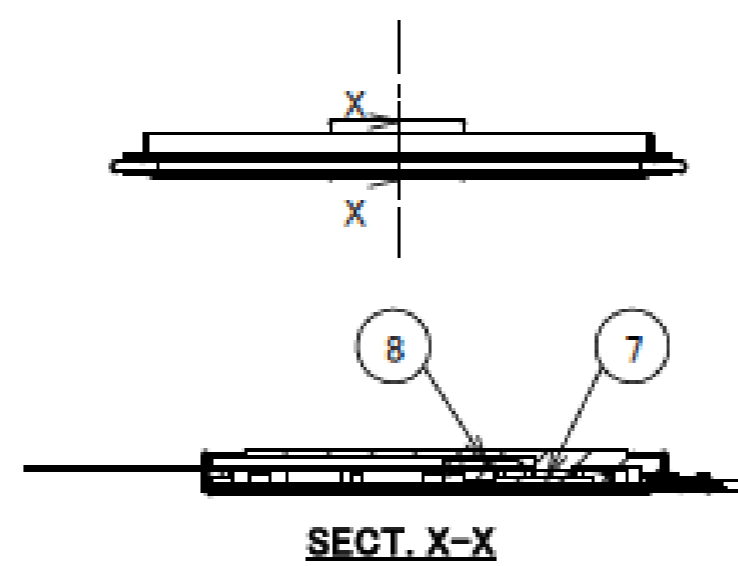
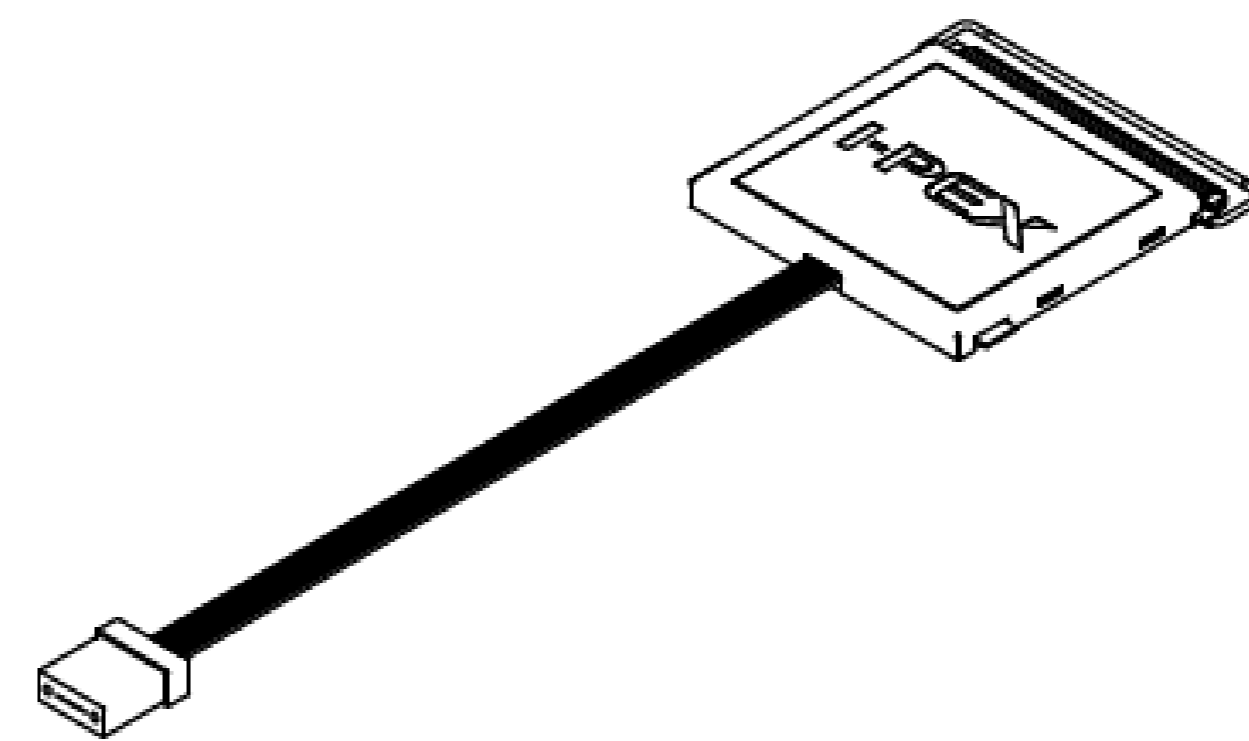
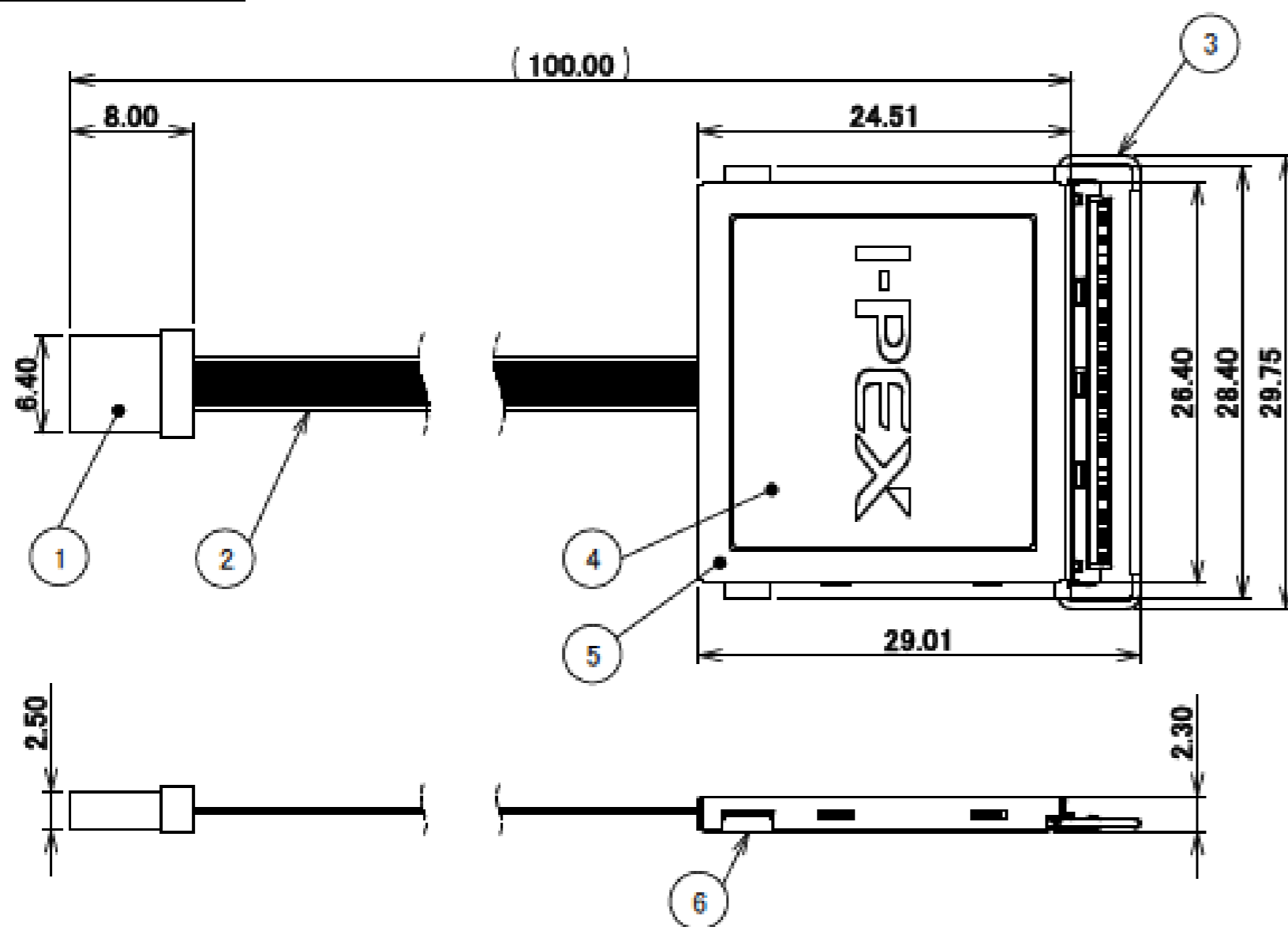
## ▶ MPU integrated Active Optical Module



# Component Parts Detail

## EOB 100G Optical Module

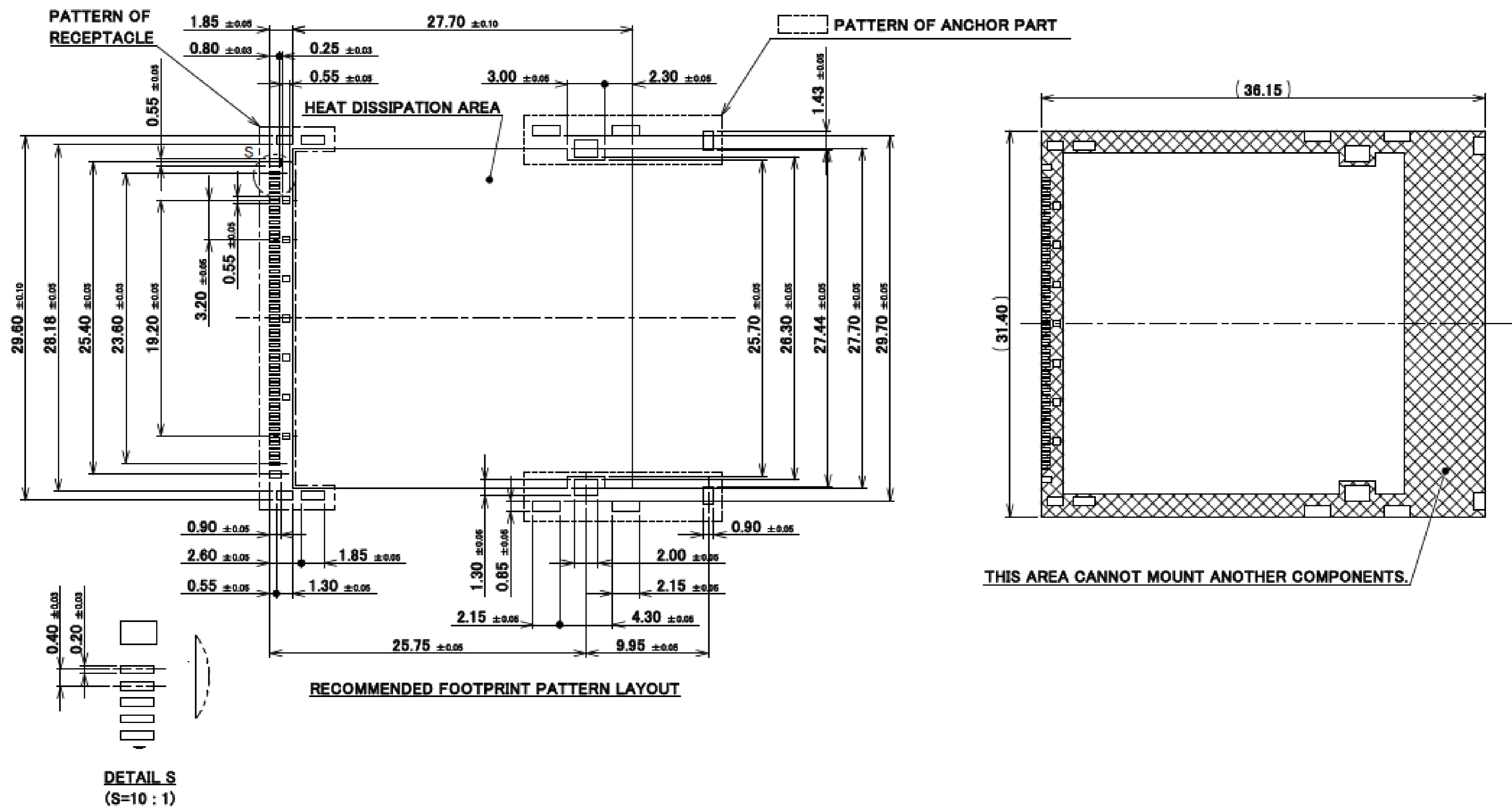
Recommended P/N 88002-000T-25-01  
 PART NO.  
 88002-000T-25-01



8	OPTICAL CONNECTOR	-	-
7	OPTICAL I/O CORE P/N PAA-XW8001-ESB	-	TIP NUMBERING
6	SHELL-B	COPPER ALLOY	NICKEL PLATING
5	SHELL-A	COPPER ALLOY	NICKEL PLATING
4	HEAT SPREADER	ALUMINUM	ANODIZING
3	CABLIN®-CAF SHELL ASS'Y P/N 20858-060T-01	-	-
2	12-CORE TAPE FIBER	-	-
1	12-MT FERRULE	-	-
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS

ANGLE  $\pm 2^\circ$  6 OVER 30 MAX  $\pm 0.3$  PROJECTION SERIES NO. CUSTOMER COPY

# EOB 100G Optical Module



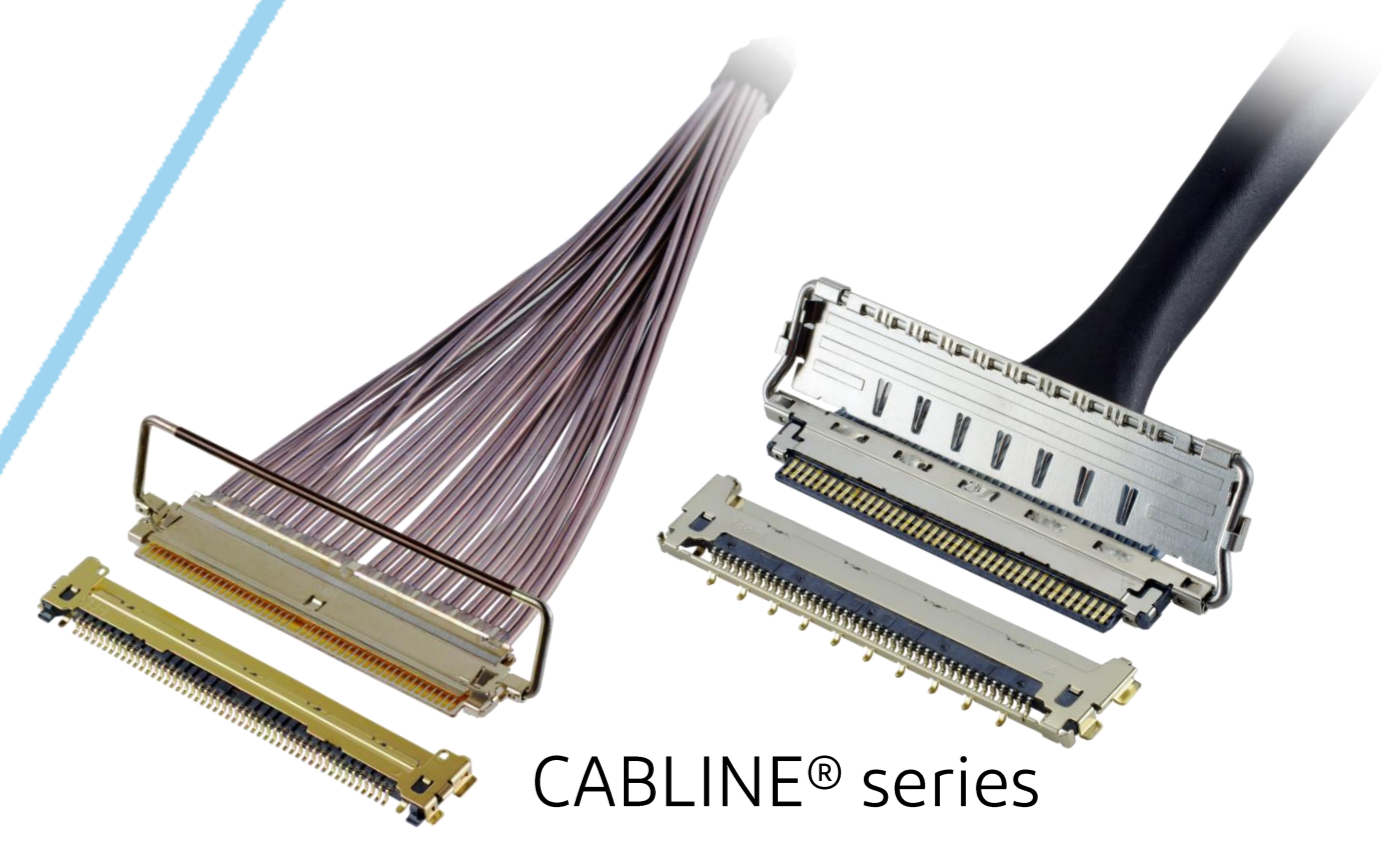
# Custom Connectors Available

## RF Connector

MHF® series



## Micro-coaxial/Twinax/Discrete Wire Connector



CABLINE® series

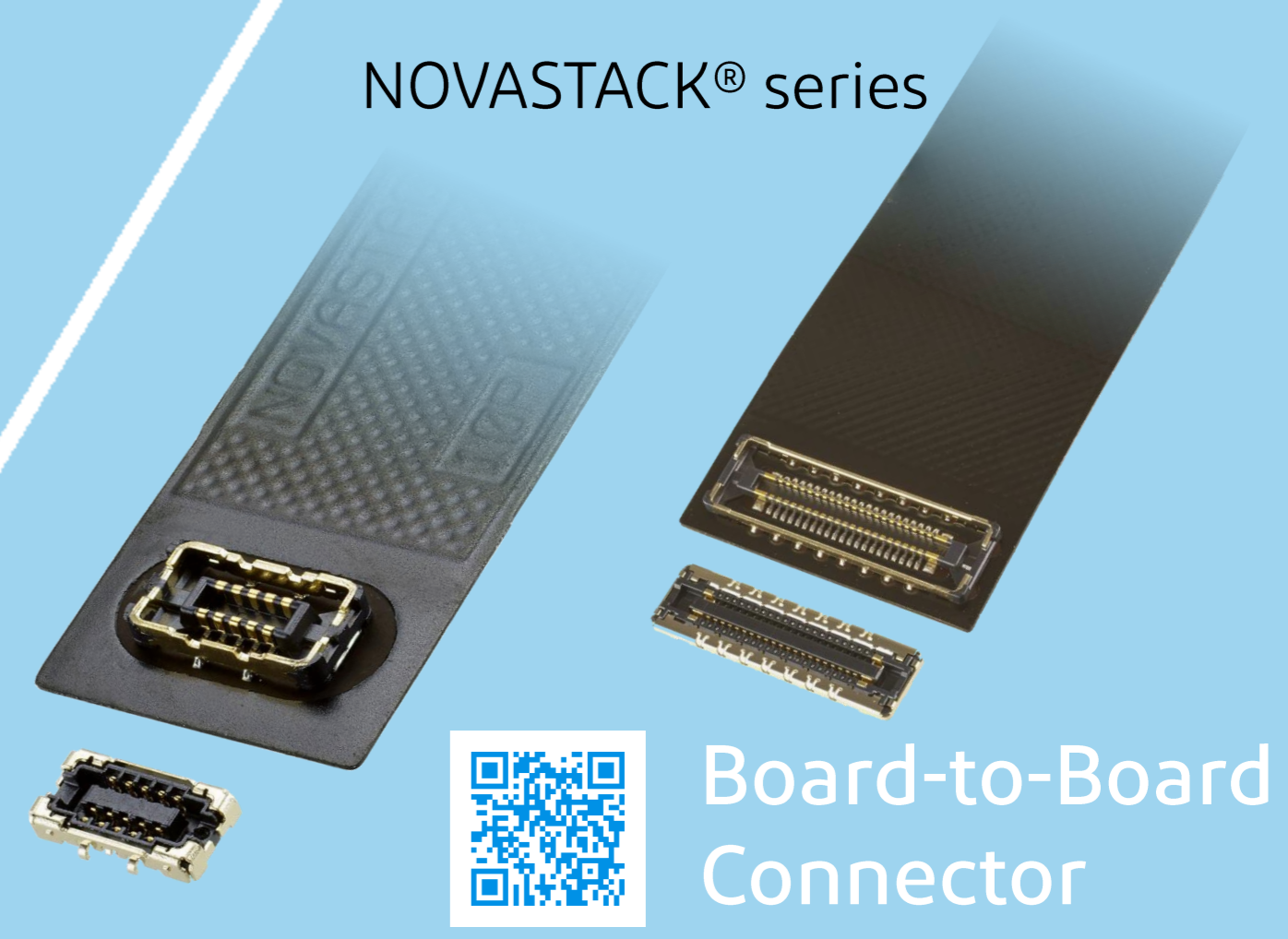


## Optical Module

LIGHTPASS® series



NOVASTACK® series



## Board-to-Board Connector



## Power Connector/Terminal

AP series

ISH® series



MINIFLEX® series

EVAFLEX® series



## FPC FFC Connector



## Inquiry



MINIDOCK® series



## I/O Connector

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