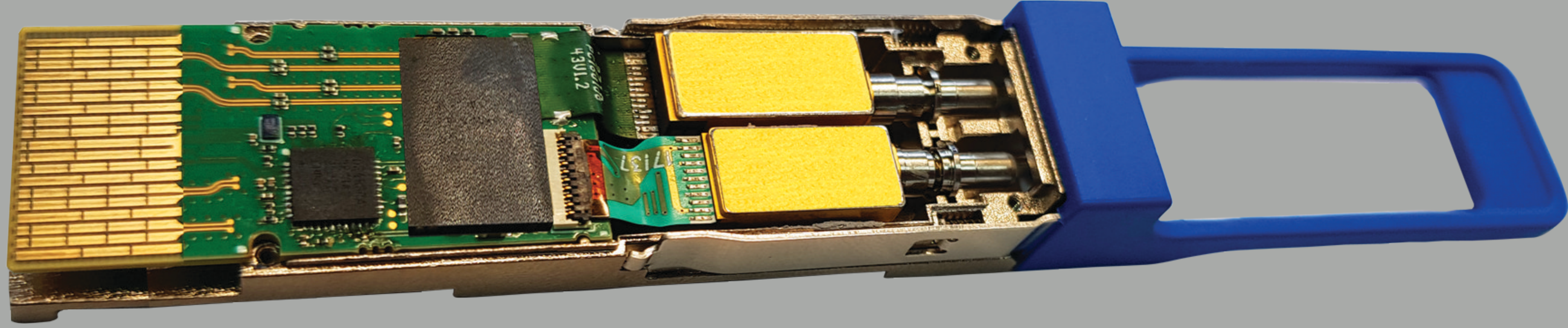


the complexity of
hyper speed
transceivers

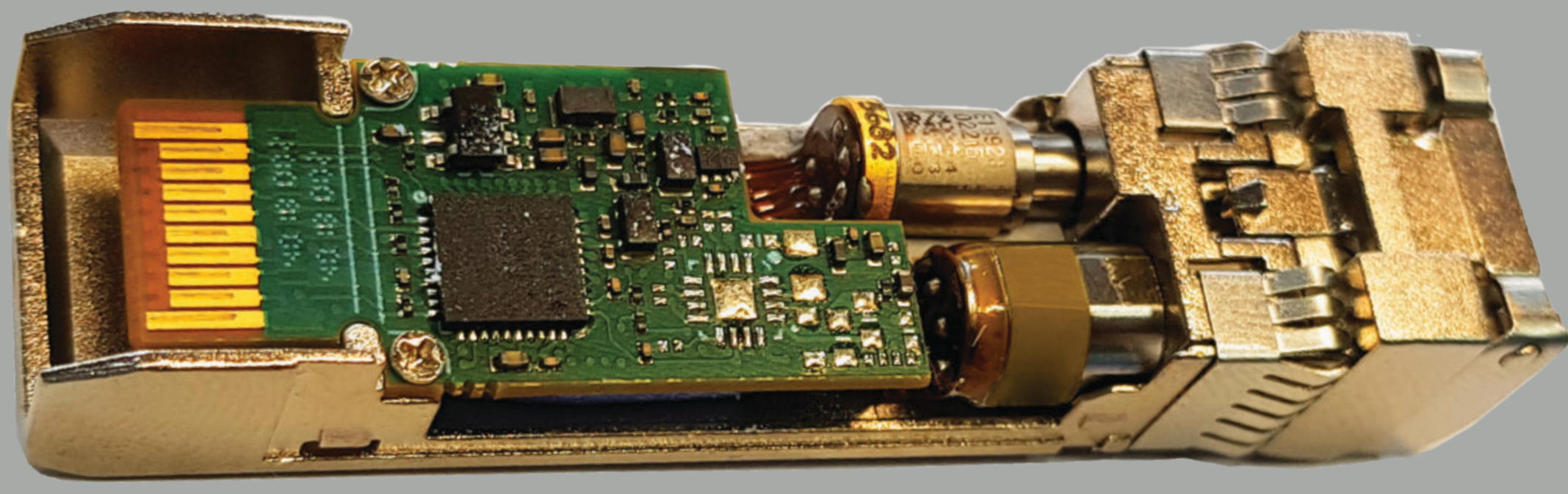


lets make it

[400G]

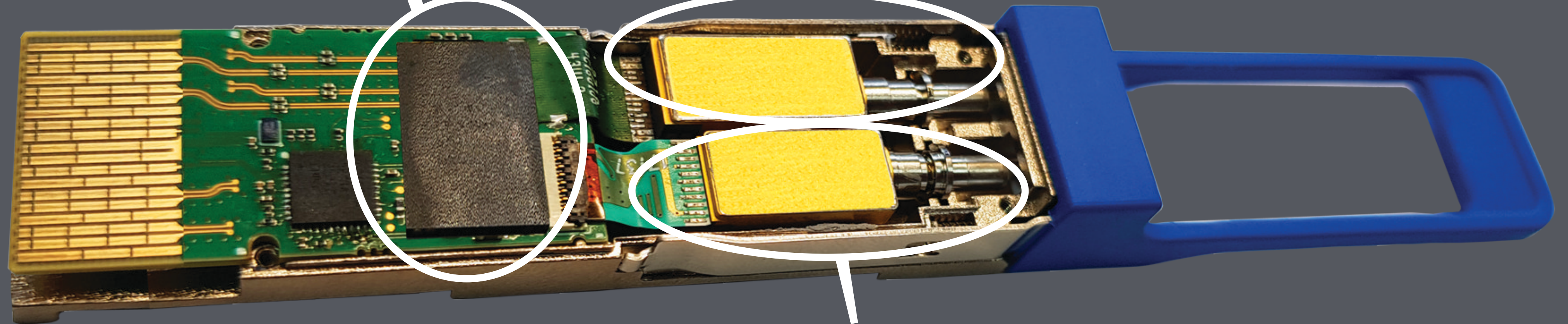


[10G]



DigitalSignalProcessor

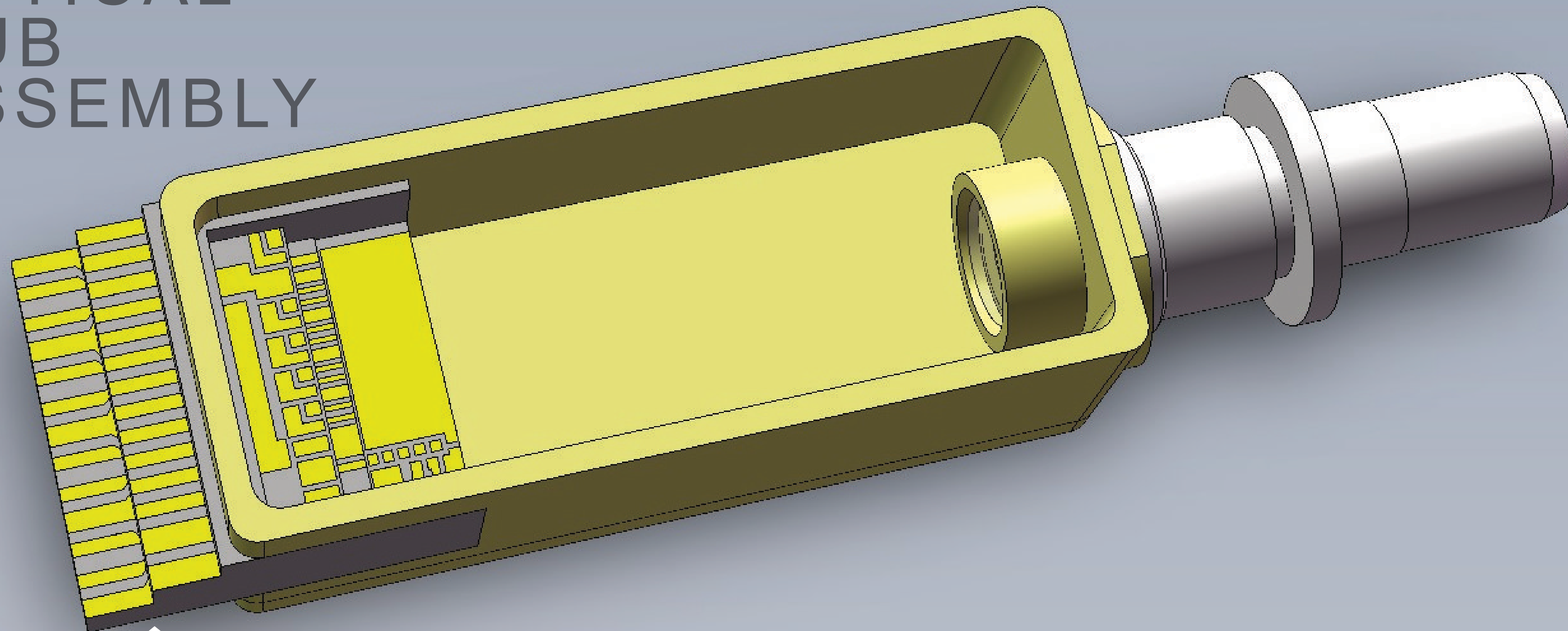
TRANSmitter



reCEIVER

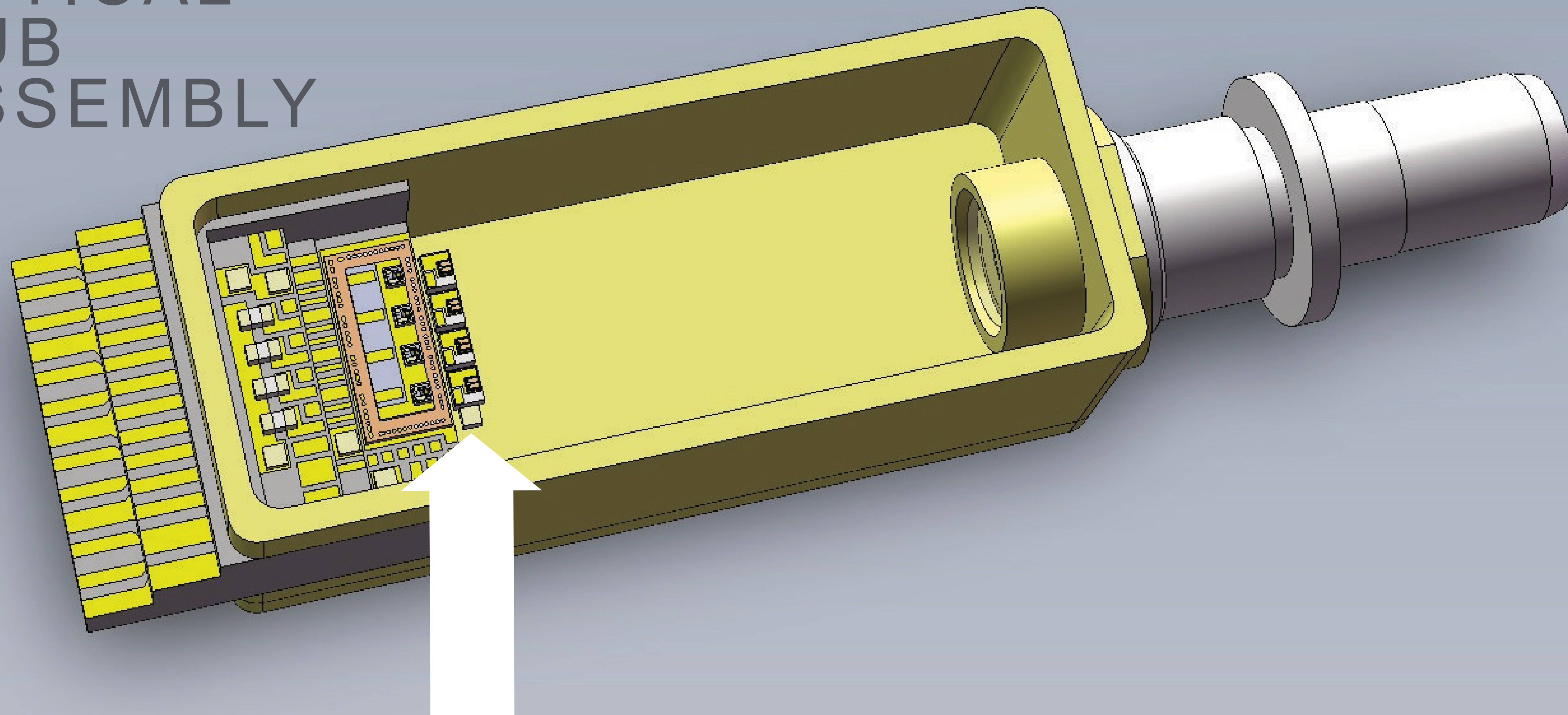
TRANSMITTER

TRANSMITTER
OPTICAL
SUB
ASSEMBLY



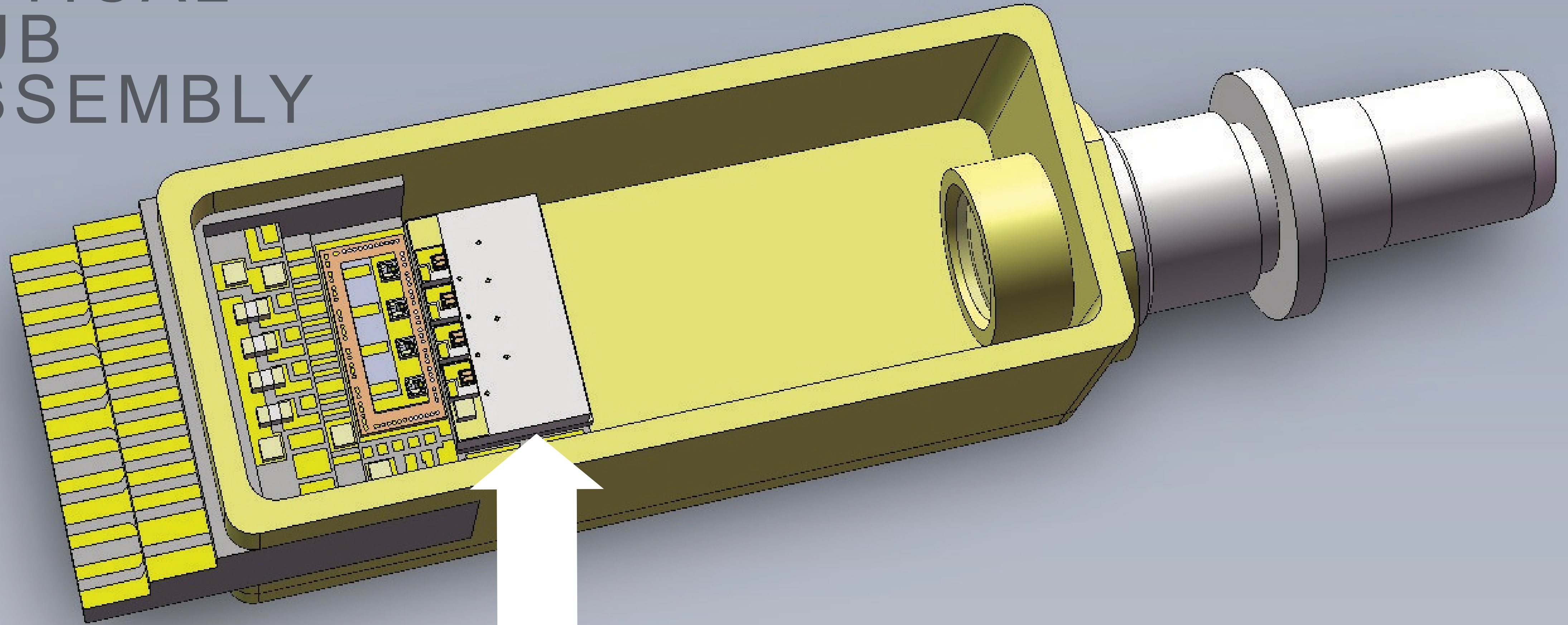
electrical connector

TRANSMITTER
OPTICAL
SUB
ASSEMBLY



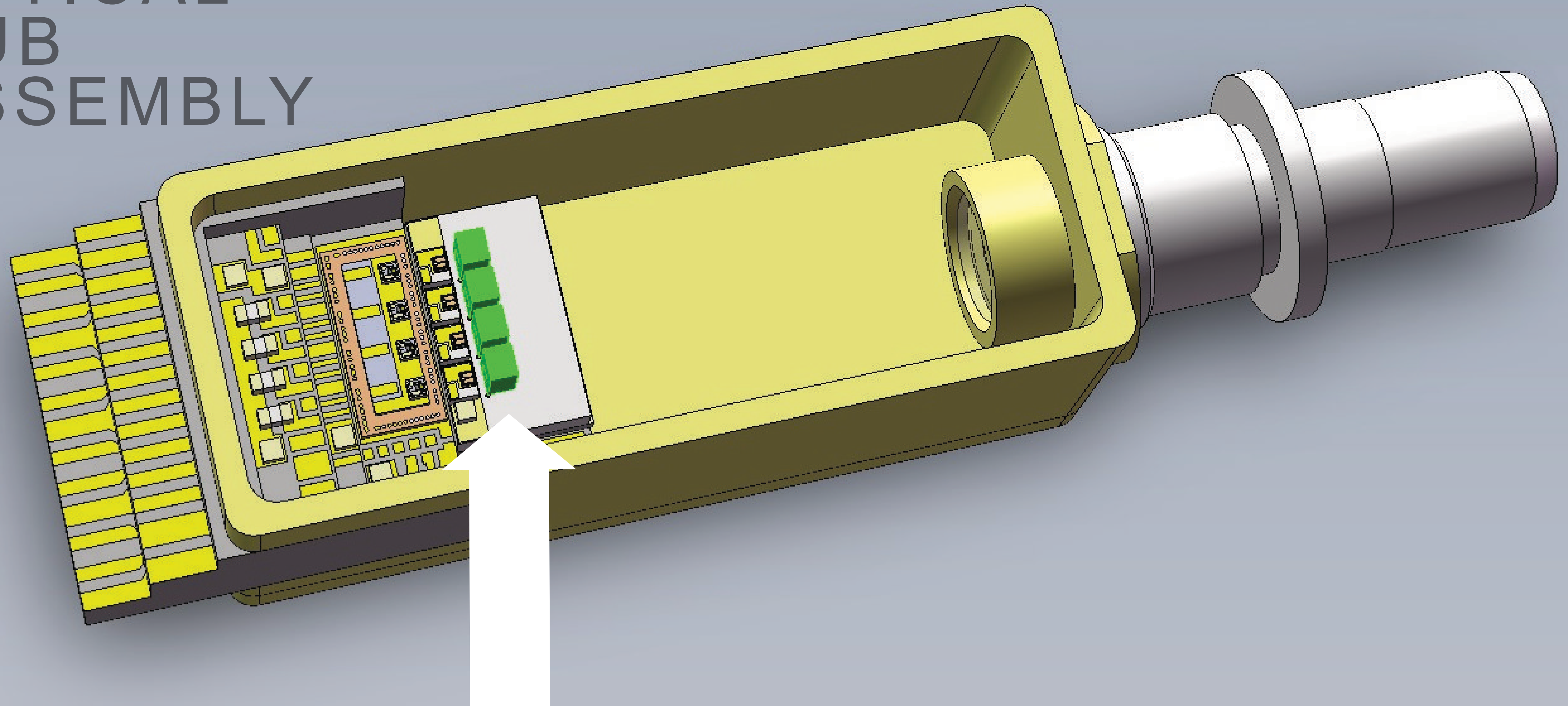
laser diodes

TRANSMITTER
OPTICAL
SUB
ASSEMBLY



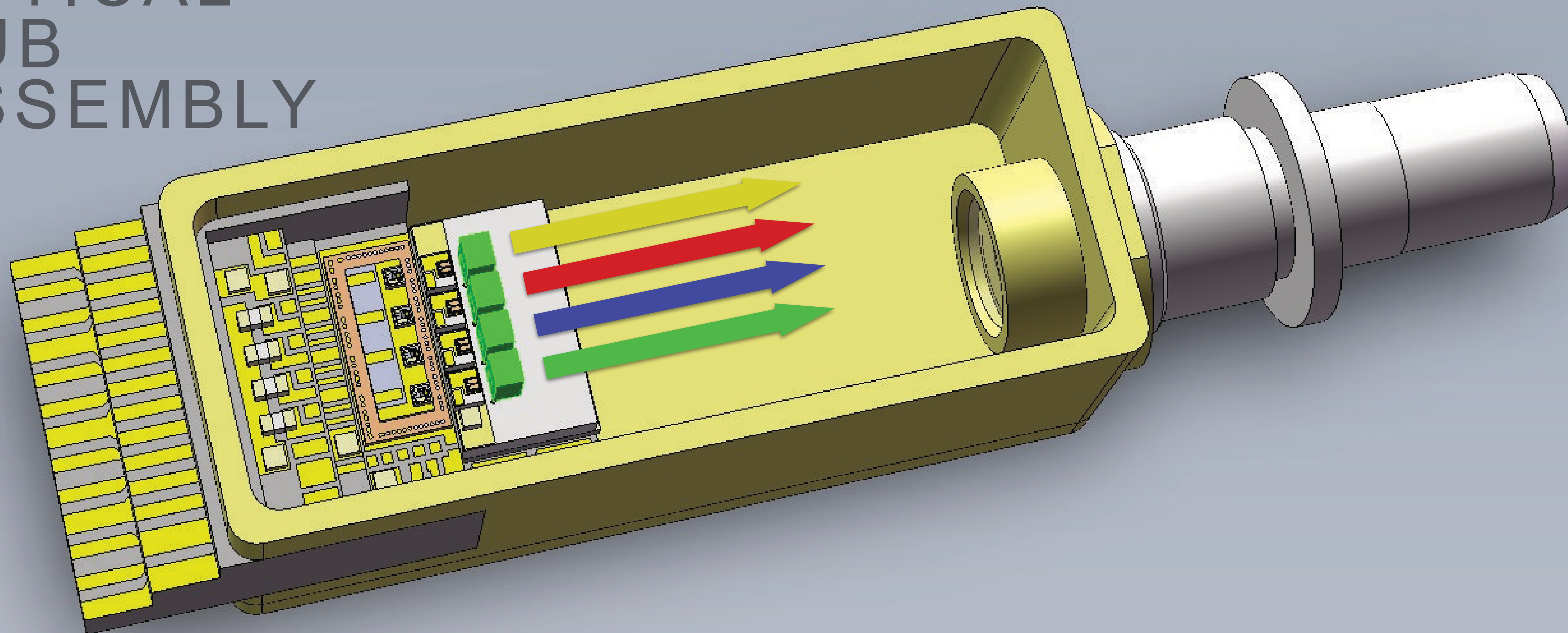
cooler

TRANSMITTER
OPTICAL
SUB
ASSEMBLY

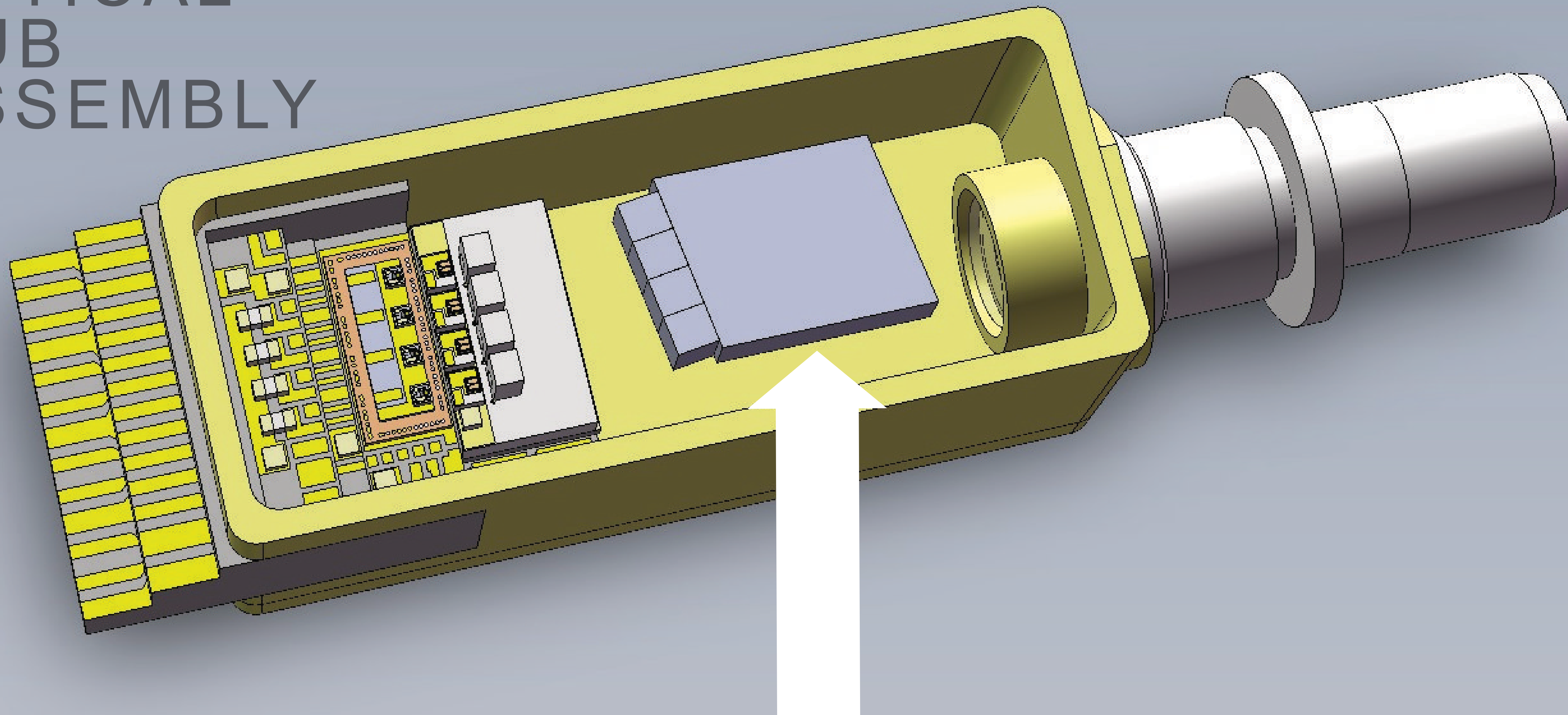


optical lenses

TRANSMITTER OPTICAL SUB ASSEMBLY

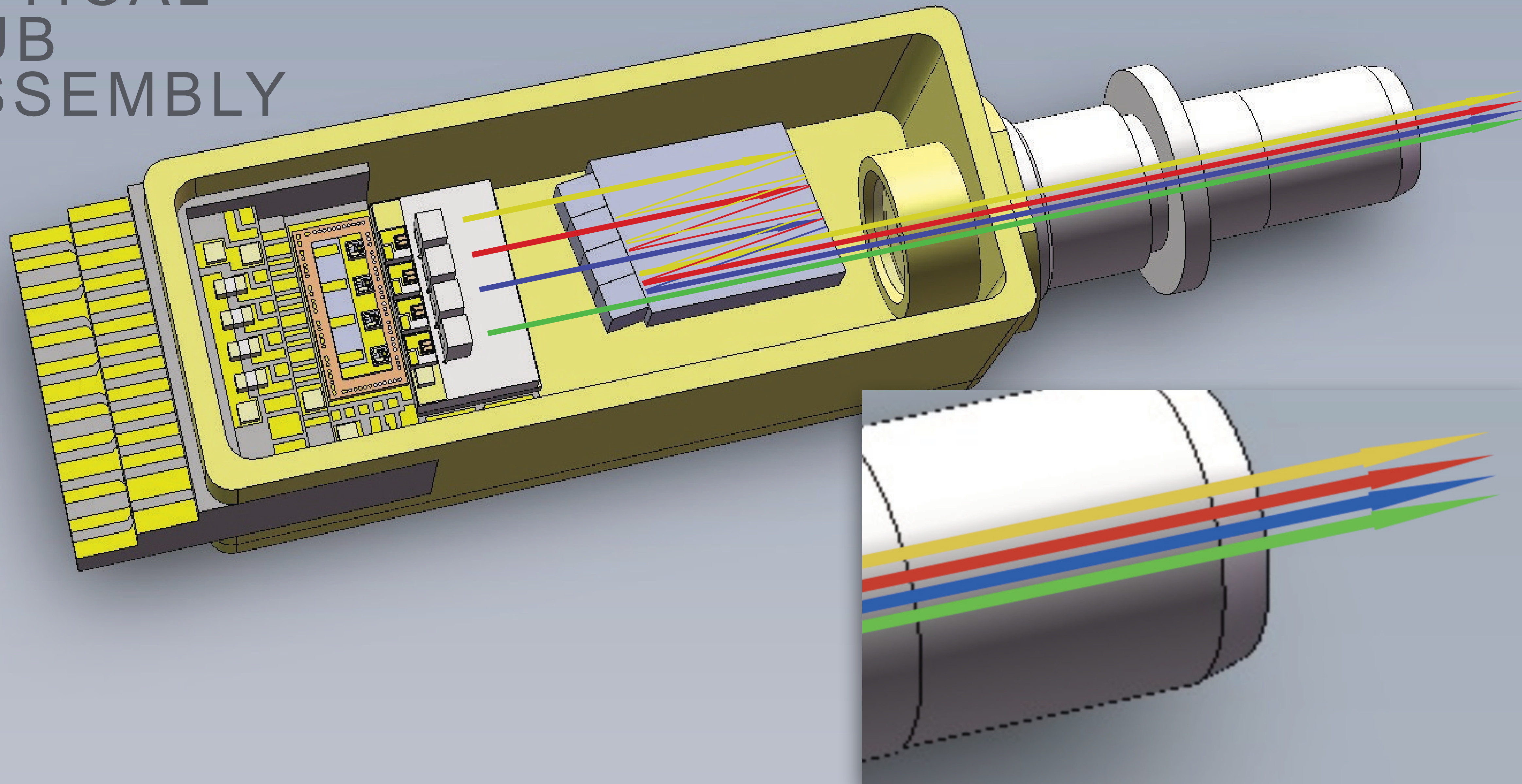


TRANSMITTER
OPTICAL
SUB
ASSEMBLY



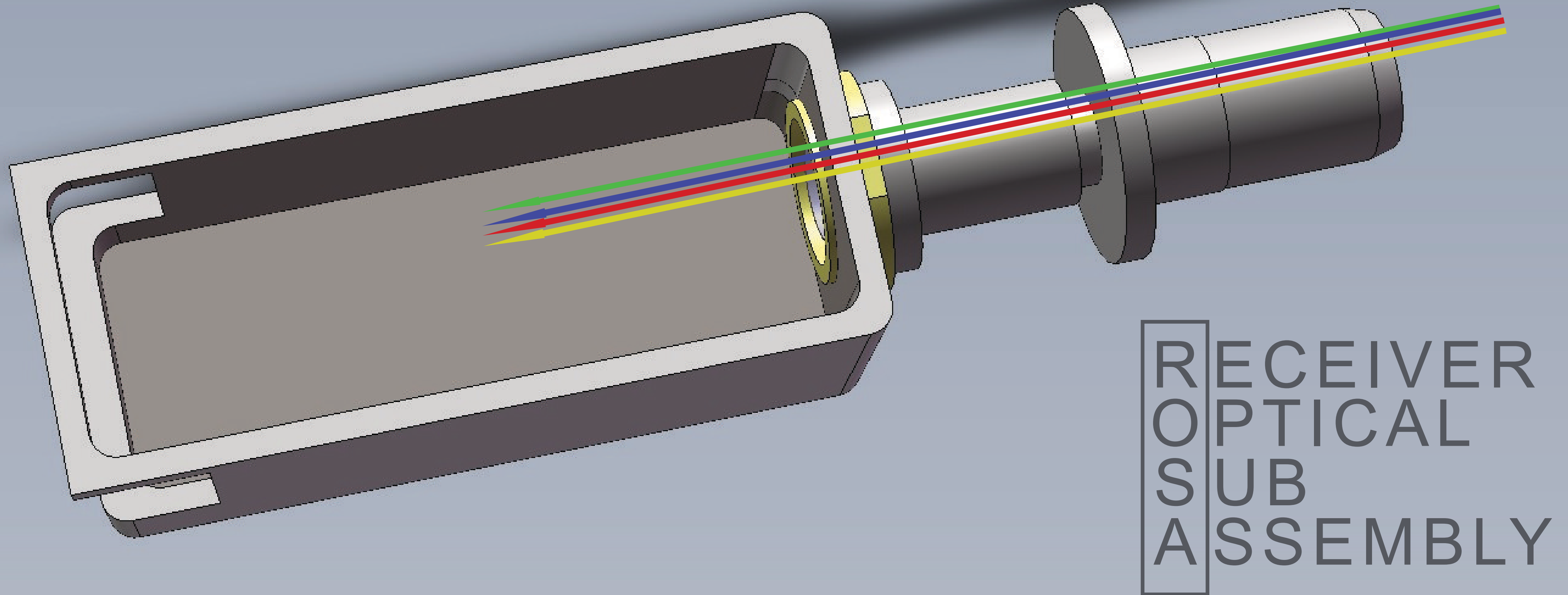
optical multiplexer

TRANSMITTER OPTICAL SUB ASSEMBLY

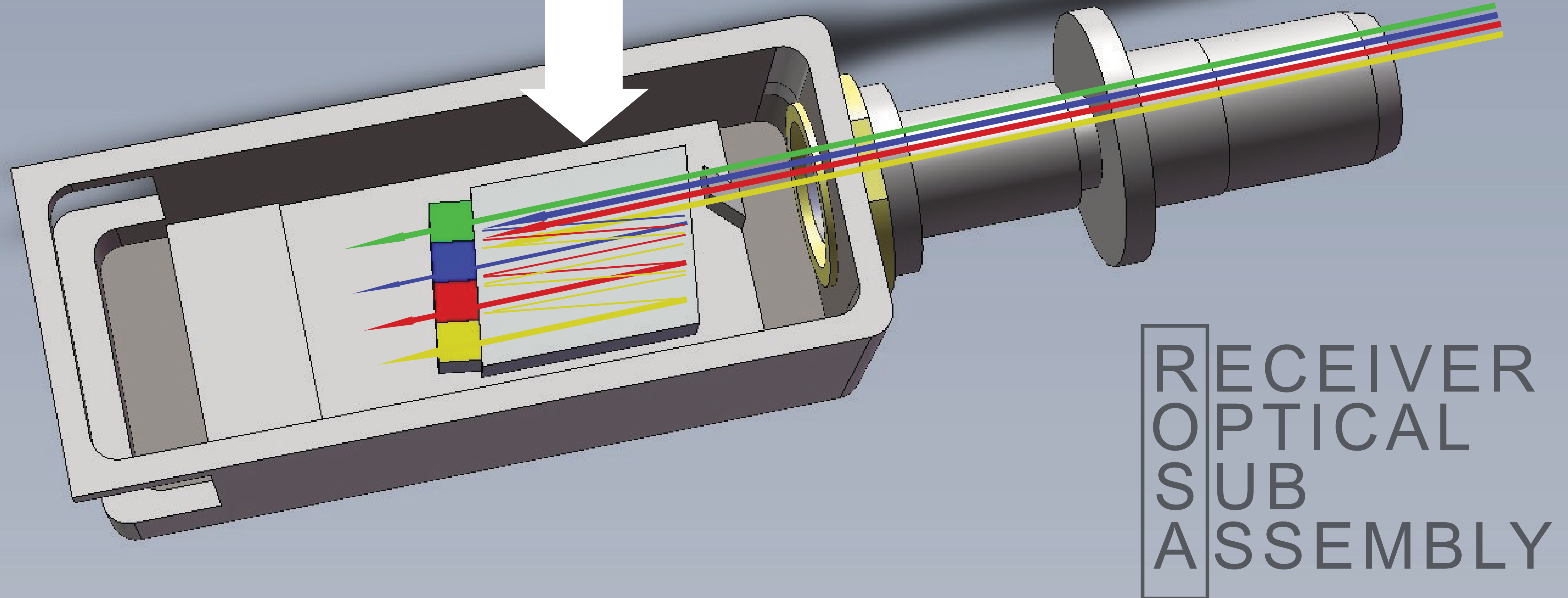


RECEIVER

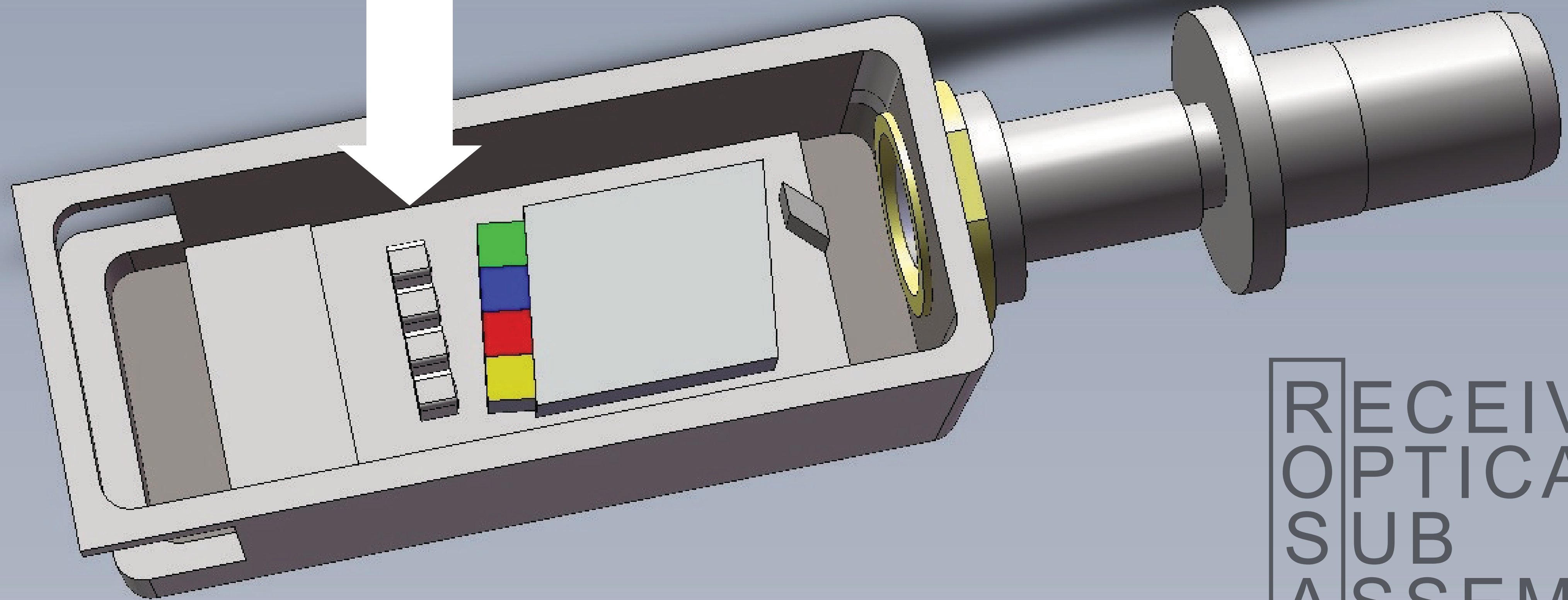
optical receptacle



optical demultiplexer

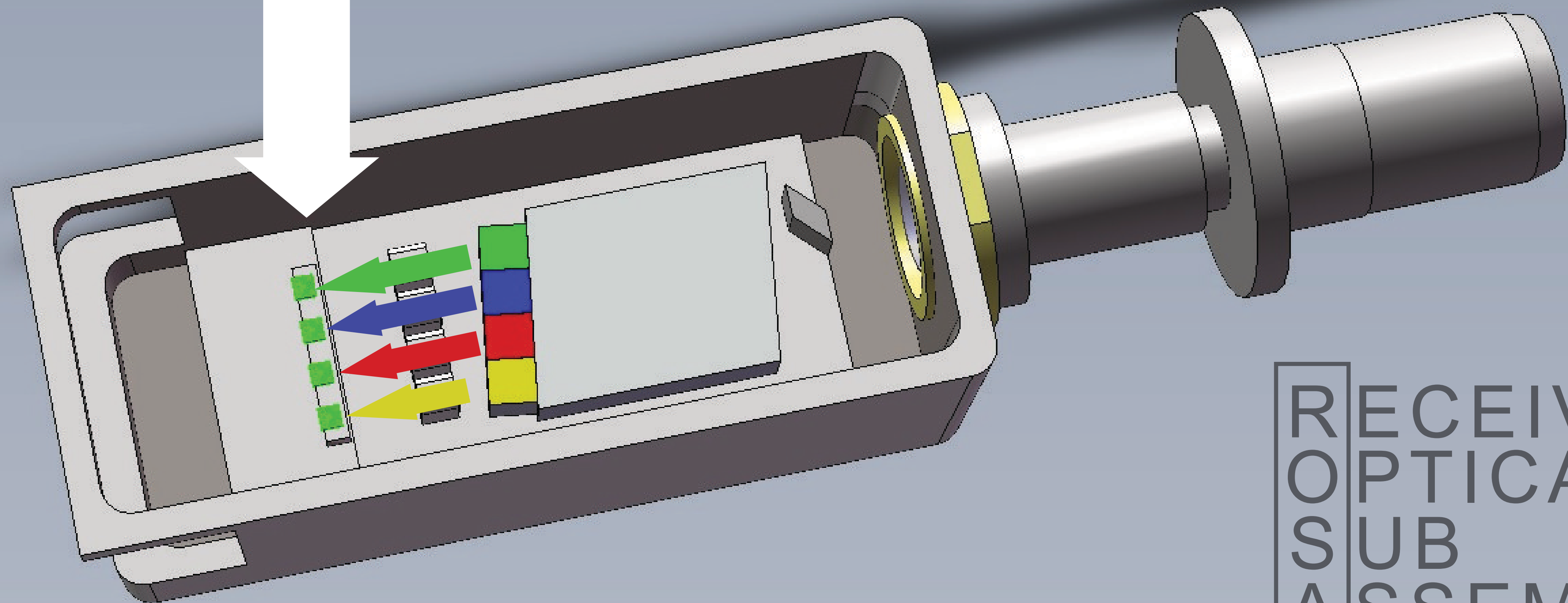


optical lenses



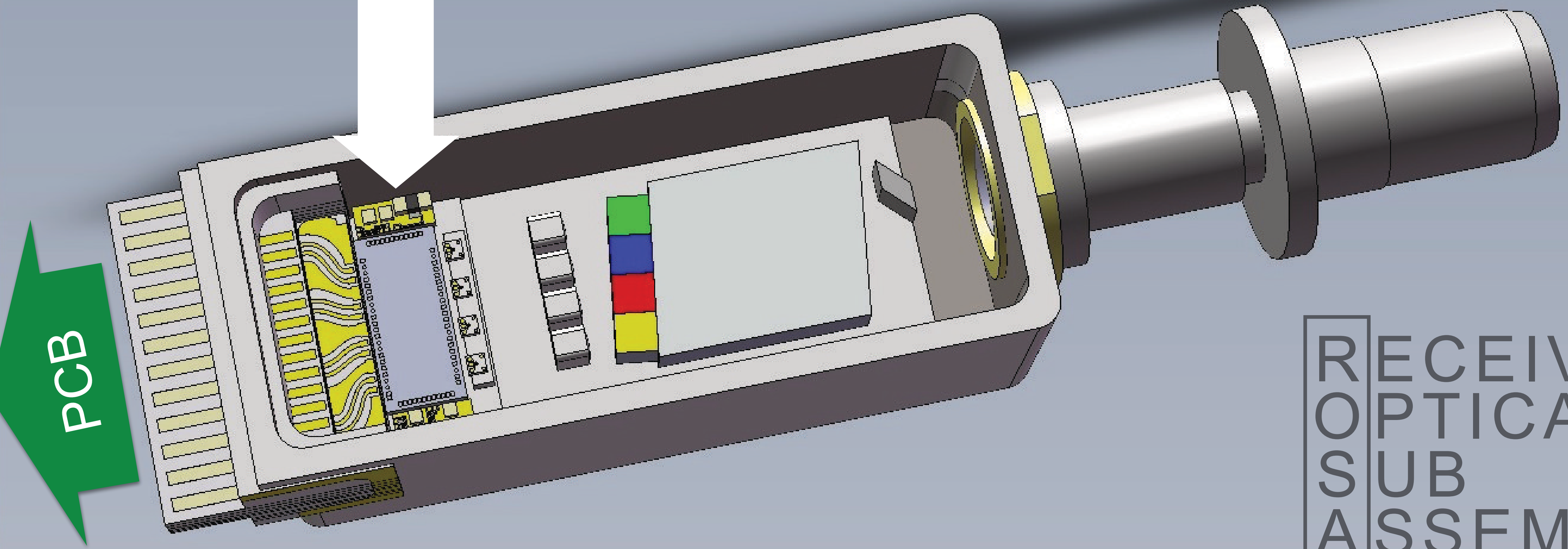
RECEIVER
OPTICAL
SUB
ASSEMBLY

PIN diode



RECEIVER
OPTICAL
SUB
ASSEMBLY

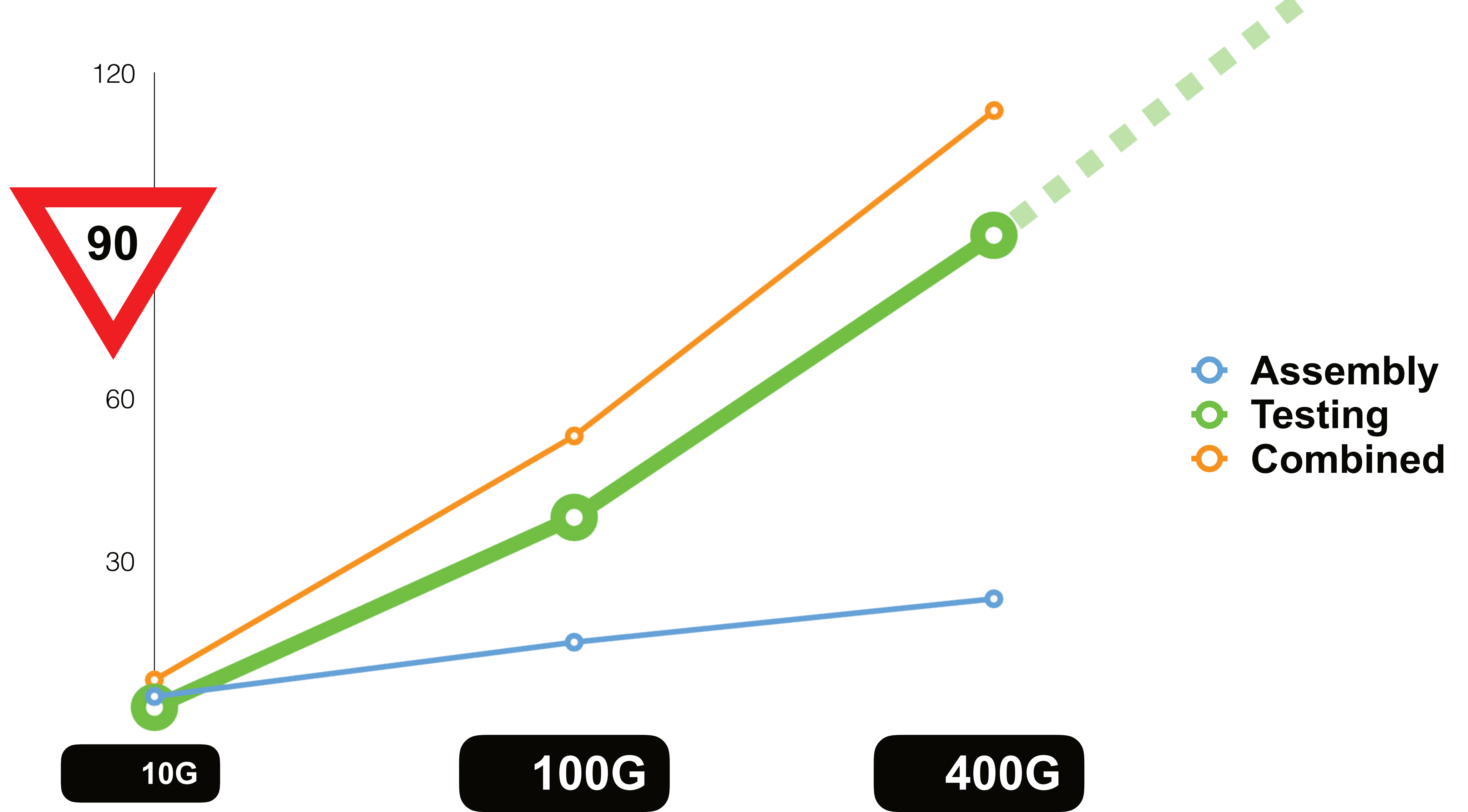
amplifier



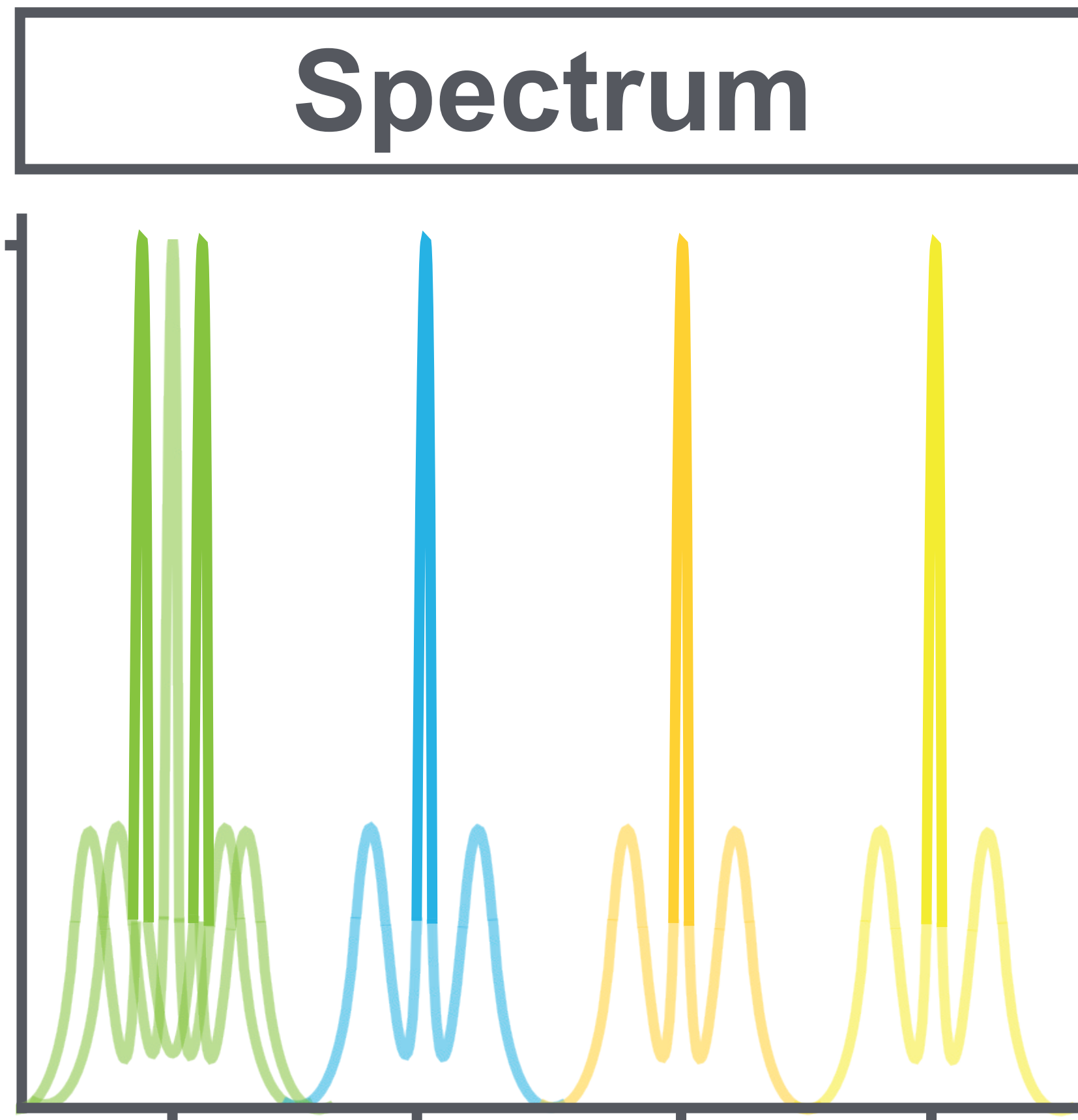
RECEIVER
OPTICAL
SUB
ASSEMBLY

production





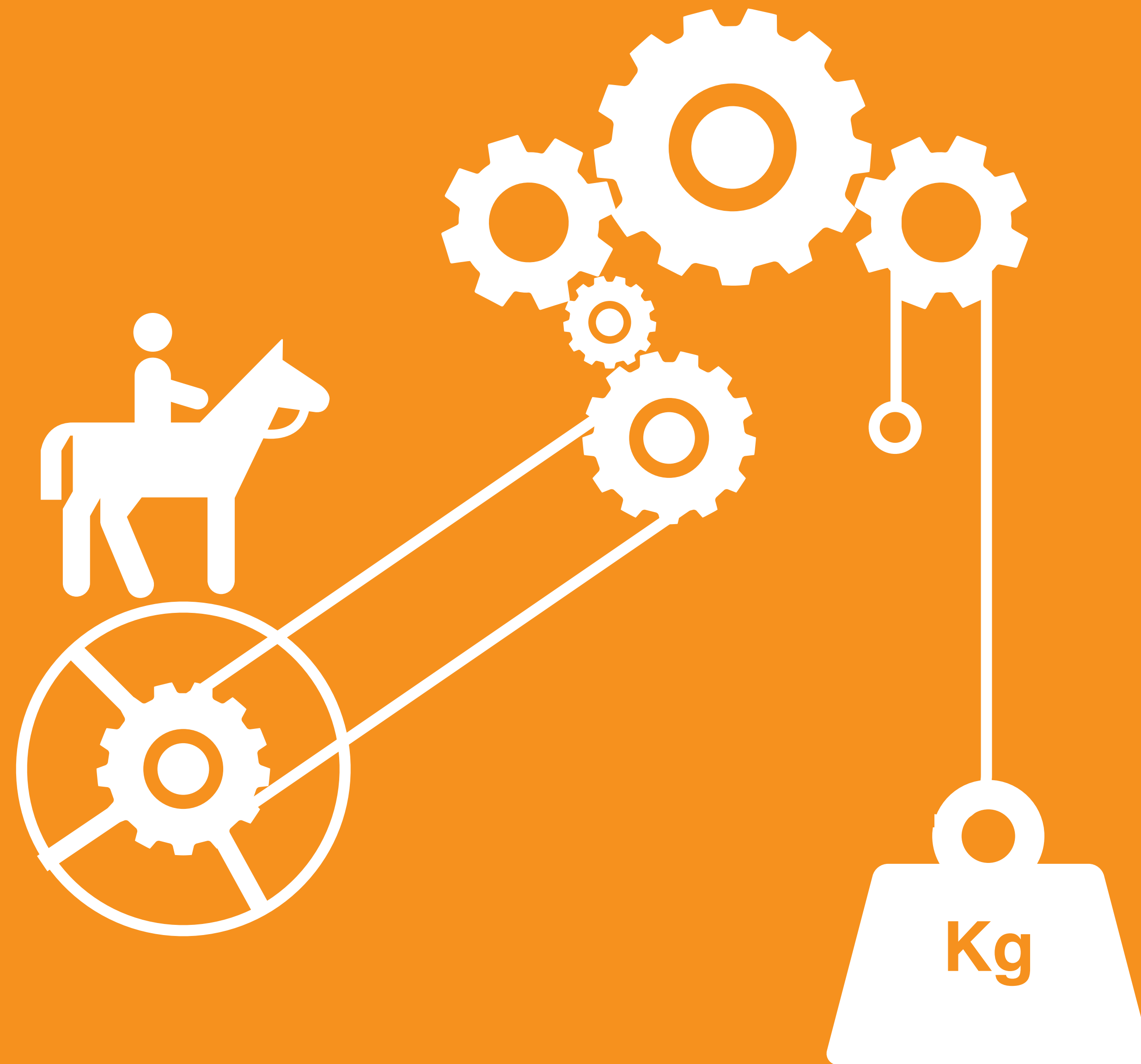
T I M I N G

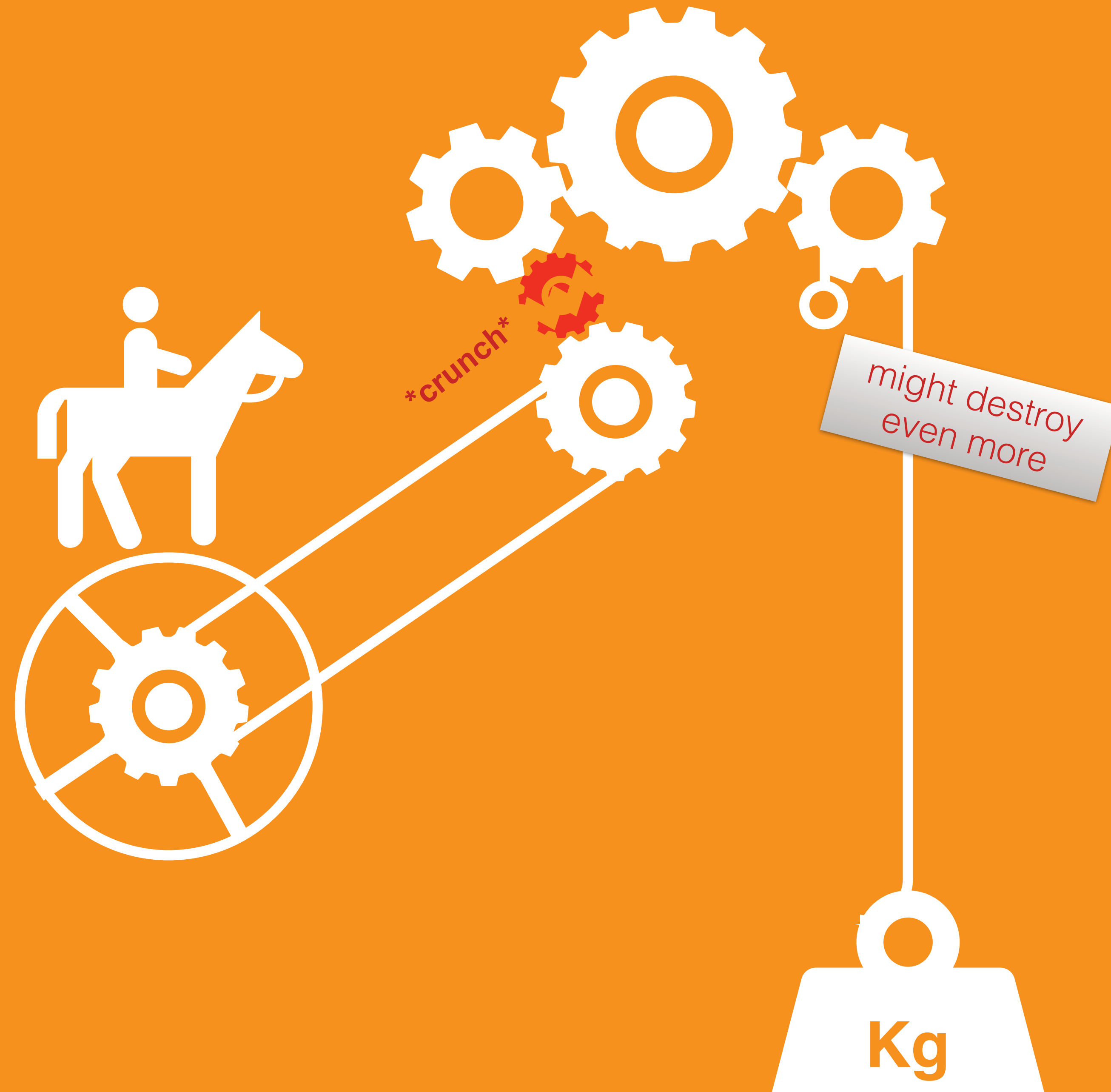


0°C

+70°C

TEMPERATURE





production



Forward Error Correction



100G

FEC
ENC

FEC
DEC



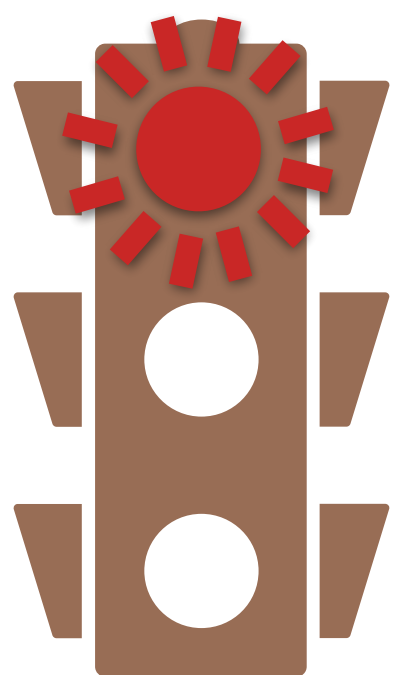
Switch

Switch

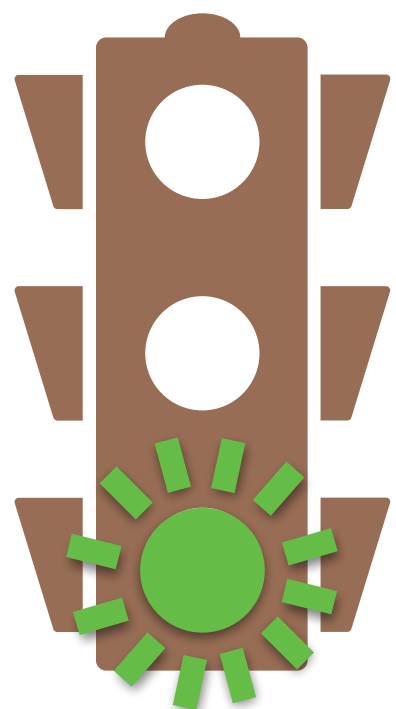
1



2



3



400G

FEC2
ENC

FEC2
DEC
+
FEC1
ENC

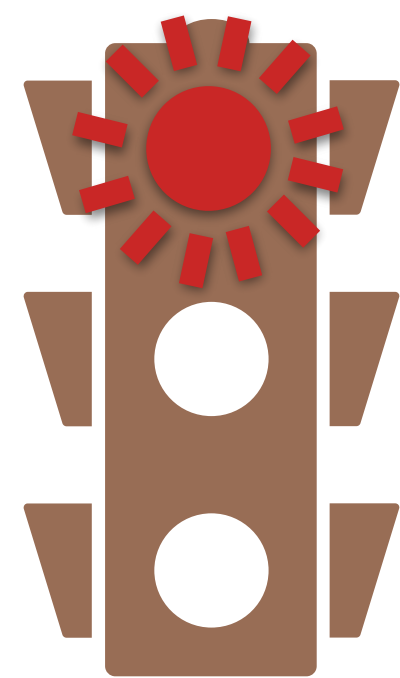


FEC1
DEC
+
FEC2
ENC

FEC2
DEC

Switch^{QSFP-DD}
OSFP

QSFP-DD^{OSFP} Switch



unequal # of
FEC's in line

new



400G LR4 as CWDM4  or LAN-WDM 

100G ER4 + ZR4



50G ER



40G DWDM LR

25G DWDM LR



THE FLEXBOX CREATORS

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1
revolutionary
developments



56
flexperts

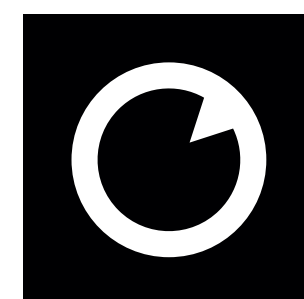


48322
transceiver
compatibilities





THANK YOU



FLEXOPTIX