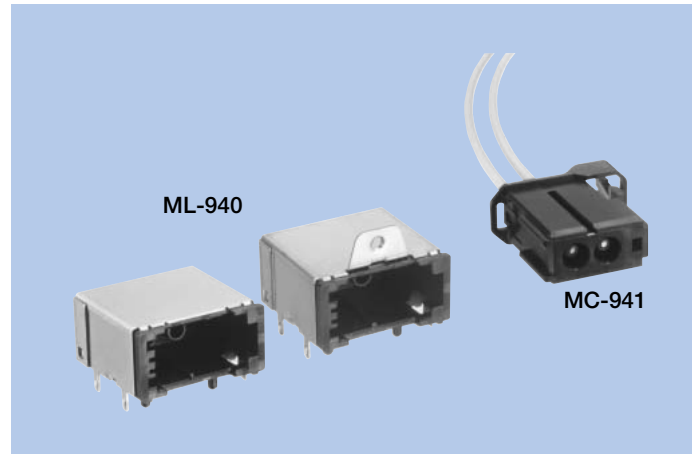


# MOST Connectors ML-940, MC-941

## OUTLINE

1. Car optical connectors conforming to MOST standard 2+0 type.
2. The board side connector is designed for minimum depth.
3. In order to suppress noise coming in and out, the entire connector is covered with a shield case.
4. The board side connector is available with or without flange.
5. Transmission band supports the MOST standard 22.6Mbps.



## HOW TO ORDER

1. Receptacle side (board installation side)

**ML-940-002-8814A**

1      2      3

1 Series No.

2 No. of contacts

Specification code (8814A : without flange, 8815A : with flange)

2. Socket side (harness side)

**MC-941-002-8816A**

1      2      3

1 Series No.

2 No. of contacts

3 Specification code

## SPECIFICATIONS

### ELECTRICAL AND OPTICAL CHARACTERISTICS (RECEPTACLE RECEIVING SIDE)

Power supply voltage	5V typ.
Current consumption	30mA (during operation) max., 30μA (during sleep) max.
Data rate	22.6Mbps typ.
Receiving input range	-3.5~ -23dBm
Maximum sensitivity wavelength	800nm
Operating temperature range	-40~+95°C

### ELECTRICAL AND OPTICAL CHARACTERISTICS (RECEPTACLE TRANSMITTING SIDE)

Power supply voltage	5V typ.
Current consumption	40mA max.
Data rate	22.6Mbps typ.
Peak issue wavelength	650nm
Operating temperature range	-40~+95°C

### MECHANICAL CHARACTERISTICS

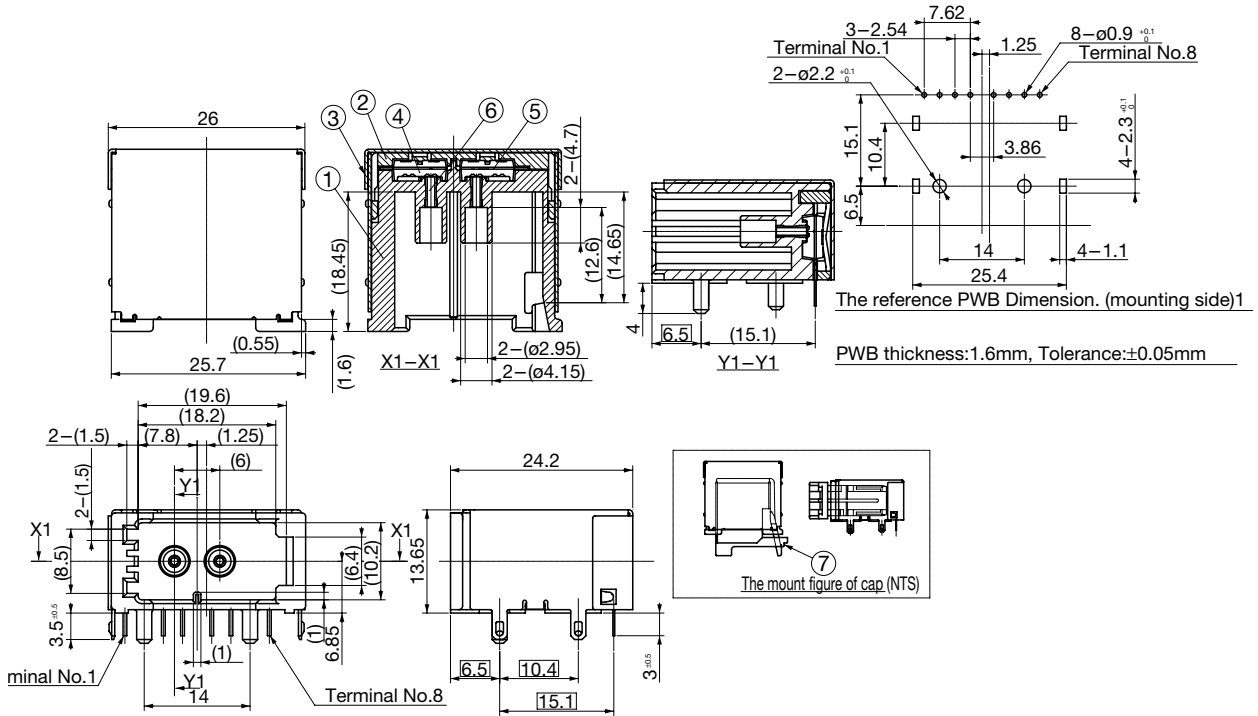
Couple/decouple life	100times
Total Withdrawal Force	50N (5.1kgf) max.
Lock strength	60N (6.1kgf) min.

## MATERIAL & FINISH

Component parts		Material	Finish
ML-940	Housing	PBT resin	Black
	IC for transmitting/receiving	Plastic	Silver plating (Reads)
	Shielded Case	Steel	Tin plating
	POF	PMMA (core), fluorocarbon resin (cladding)	PA12 (coating, black)
MC-941	Housing	PBT resin	Black
	Plastic optical fiber	PMMA (core), fluorocarbon resin (cladding)	PA12 (primary coating, black) PA12 (secondary coating, orange)
	Ferrule	NYLON12	Semitransparent

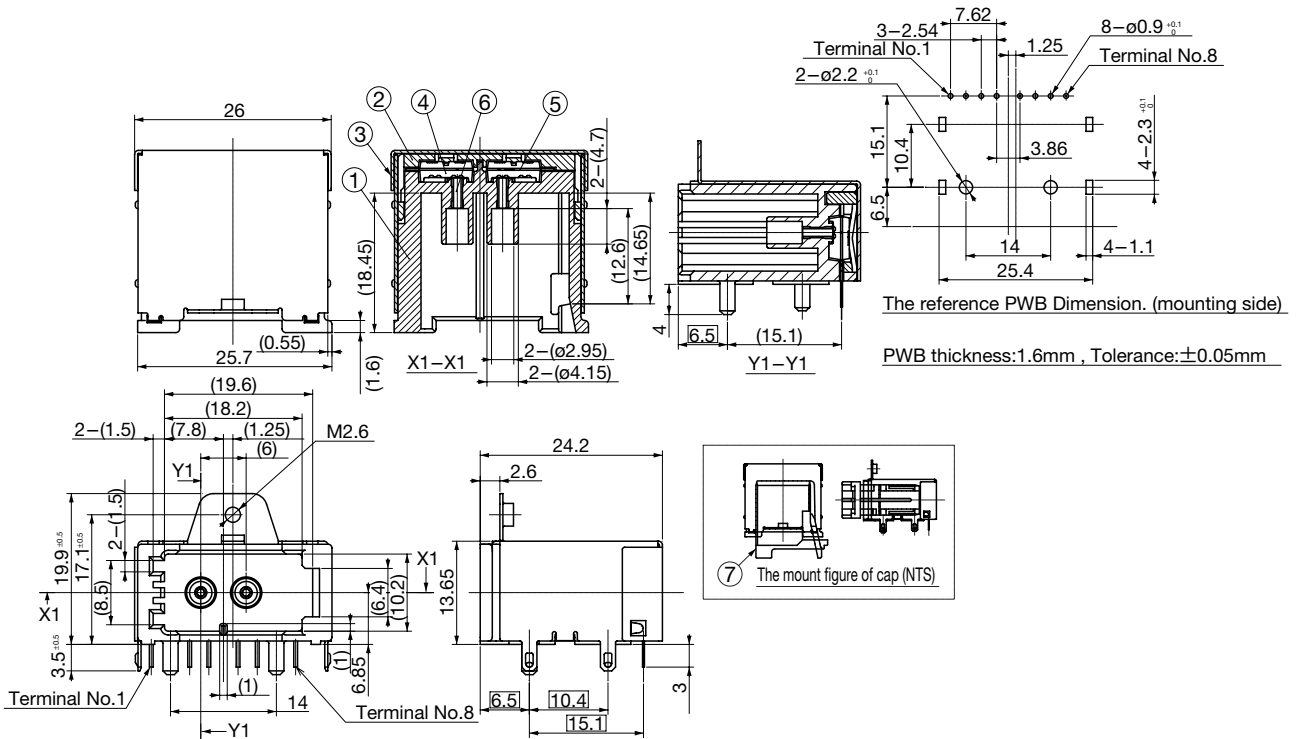
# DIMENSIONS

## ML-940 (without flange)



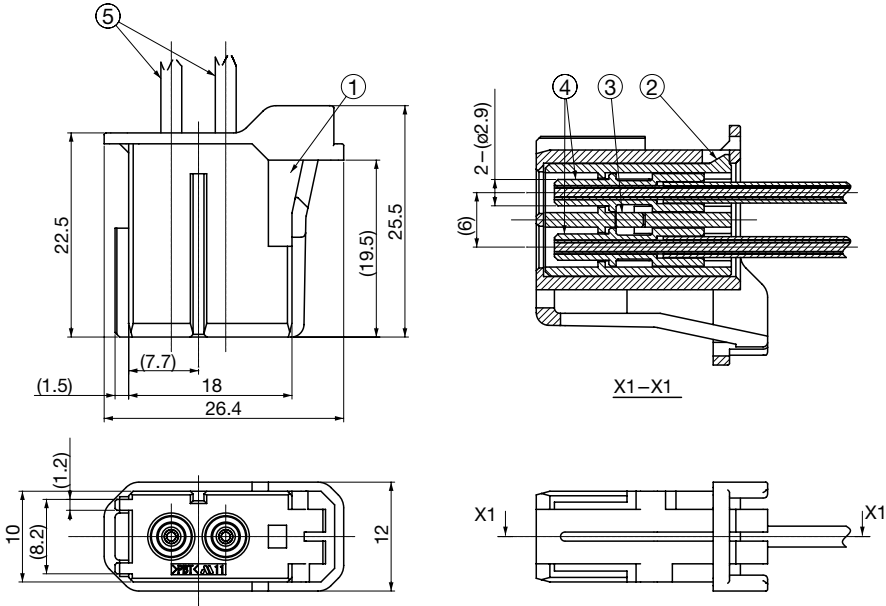
Unit : mm

## ML-940 (with flange)



Unit : mm

MC-941



Unit : mm