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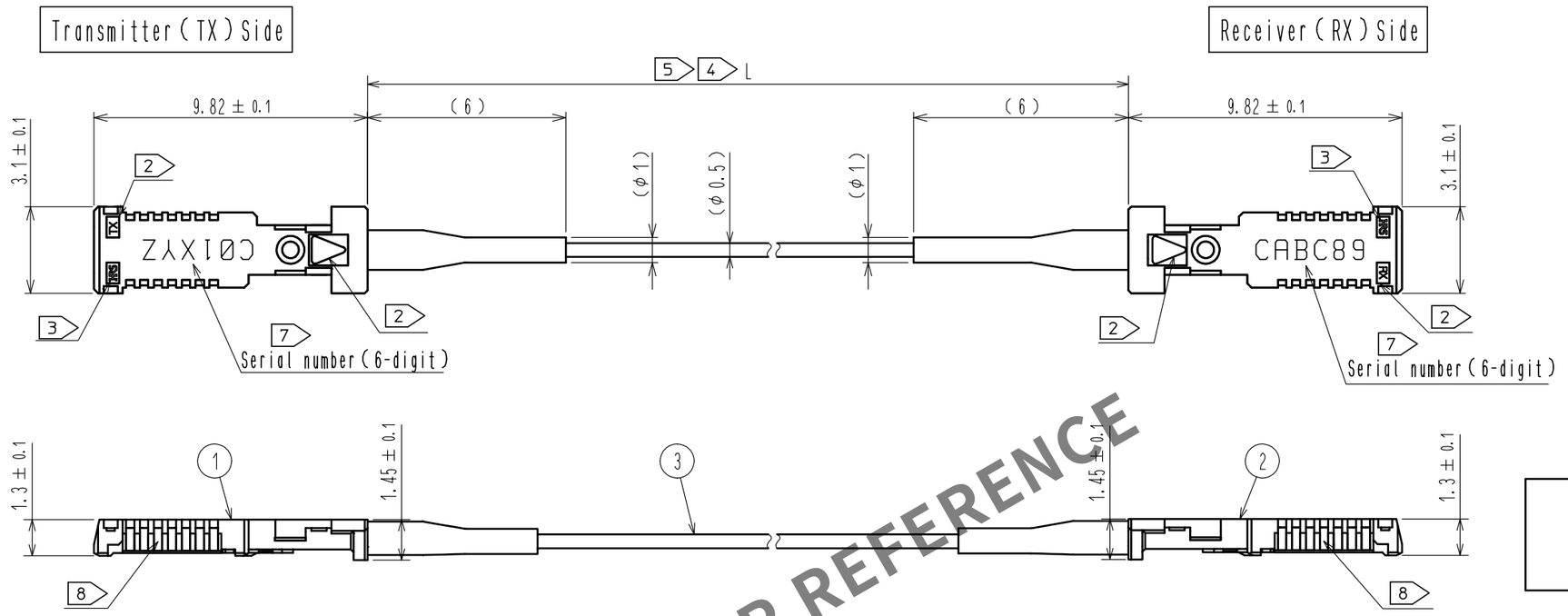
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



HRS DRAWING FOR REFERENCE

Table 1 Parts list

No	Parts name	Details	Note
①	Transmitter plug (TX)	Housing : LCP (White) Contact : Phosphor bronze (Au plating) Plate : Phosphor bronze (Ni plating) VCSEL : GaAs VCSEL driver : Si (CMOS) Bonding wire : Au Sealing resin : Epoxy Heat shrinl tubing : Polyolefin (Black)	Suitable receptacle connector BF4-TX-14DS-0.5V
②	Receiver plug (RX)	Housing : LCP (White) Contact : Phospher bronze (Au plating) Plate : Phosphor bronze (Ni plating) PD : GaAs TIA/LA : Si(CMOS) Bonding wire : Au Sealing resin : Epoxy Heat shrink tubing : Polyolefin (Black)	Suitable receptacle connector BF4-RX-14DS-0.5V
③	Optical fiber	Fiber : Silica glass Coating : 6 UV curable resin／Thermoplastic resin	Outer dia. : 0.5mm Fiber type : GI 50/80 Color : Red
④	ESD cap	Polyester elastomer (Black, Antistatic)	—

5 Table2 Cable length vs tolerance

Cable length 'L'	Tolerance	Note
L < 1m	—	Please see the other drawing.
1m ≦ L < 2m	±5% of cable length 'L'	Packed in antistatic poly bag
2m < L ≦ 5m		Winding on the spool (dia.66mm)
5m < L	±3% of cable length 'L'	

Note 1 Please see design note ETAD-K0671 for more information about specifications.
2 This is an identification mark for TX side and RX side.
3 Manufacturer's mark.
4 Dimention 'L' means optical fiber cable length and '**' in the part number in the same value with 'L'. (Unit : m)
5 Table 2 shows the tolerance of optical fiber cable length. Please inquire to Hirose sales staff about the request of tolerance.
6 The optical fiber coating contains less than 1000ppm dibutyltin compounds (DBT) as an intentionally-doped catalyser. (Comply with Reach reguration)
7 6-digit serial number shall be marked around directed area by laser marking.
8 There may be the sliding trace around the contact points, because of the test process in HRS by mating with inspection connector. (There is no bad effect for the performance)

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	5 : 1	△0					

HIROSE ELECTRIC CO., LTD.

APPROVED	MT. SHIBUTANI	15. 04. 21
CHECKED	OM. MIYAMOTO	15. 04. 21
DESIGNED	YA. SANO	15. 04. 21
DRAWN	YA. SANO	15. 04. 21

DRAWING NO.	EDC-179522-00-00
PART NO.	BF4MC-6GTXRX-B1-**M
CODE NO.	△0 1/1