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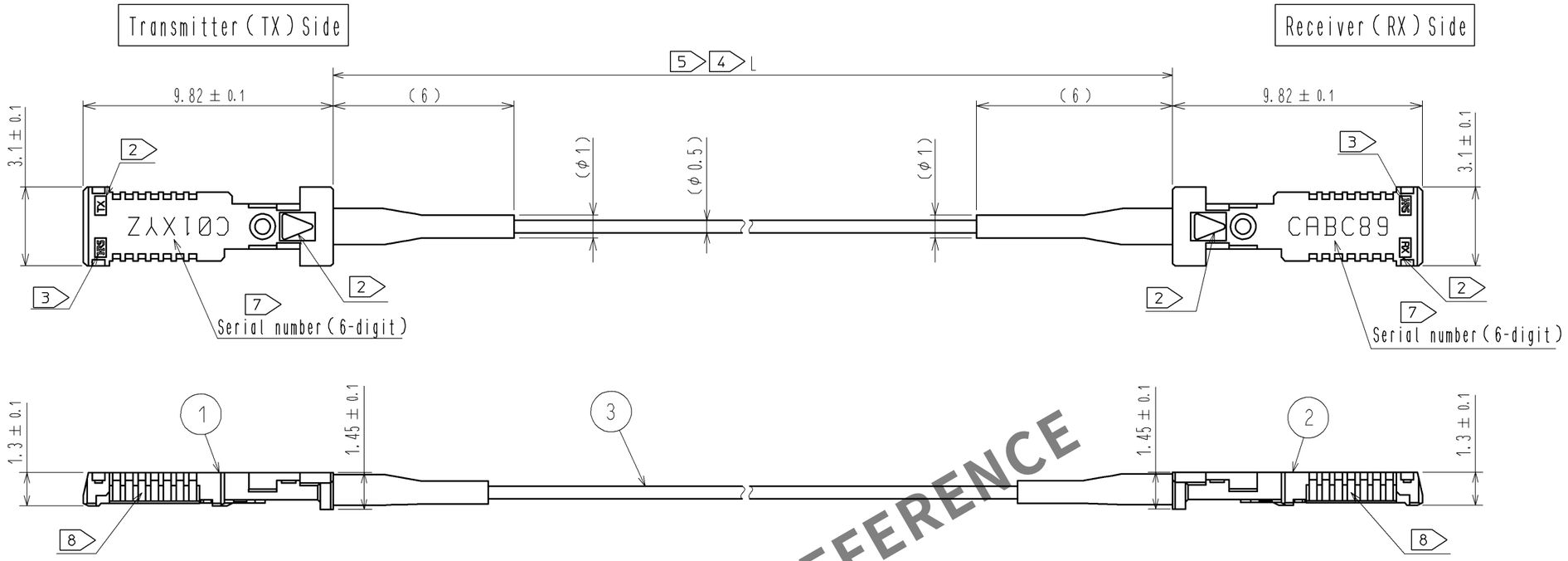
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



FOR REFERENCE
HRS DRAWING FOR

5 Table2 Cable length vs tolerance

Cable length 'L'	Tolerance	Note
L < 45mm	—	Out of support
45mm ≦ L ≦ 100mm	±7%	(±7% of cable length)
100mm < L < 1000mm	±5%	(±5% of cable length)

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

Note 1 Please see ETAD-K0632 for more information about specifications, and see ETAD-K0398 about handling precautions.
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 : mm)
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	△					

HRS HIROSE ELECTRIC CO., LTD.

APPROVED	MT. SHIBUTANI	14.05.30	DRAWING NO. EDC3-179036-00
CHECKED	OM. MIYAMOTO	14.05.30	PART NO. BF4MC-6GTXRX-B1-**MM
DESIGNED	TS. YAMAZAKI	14.05.30	CODE NO.
DRAWN	TS. YAMAZAKI	14.05.30	△ 1/1