

Dec.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

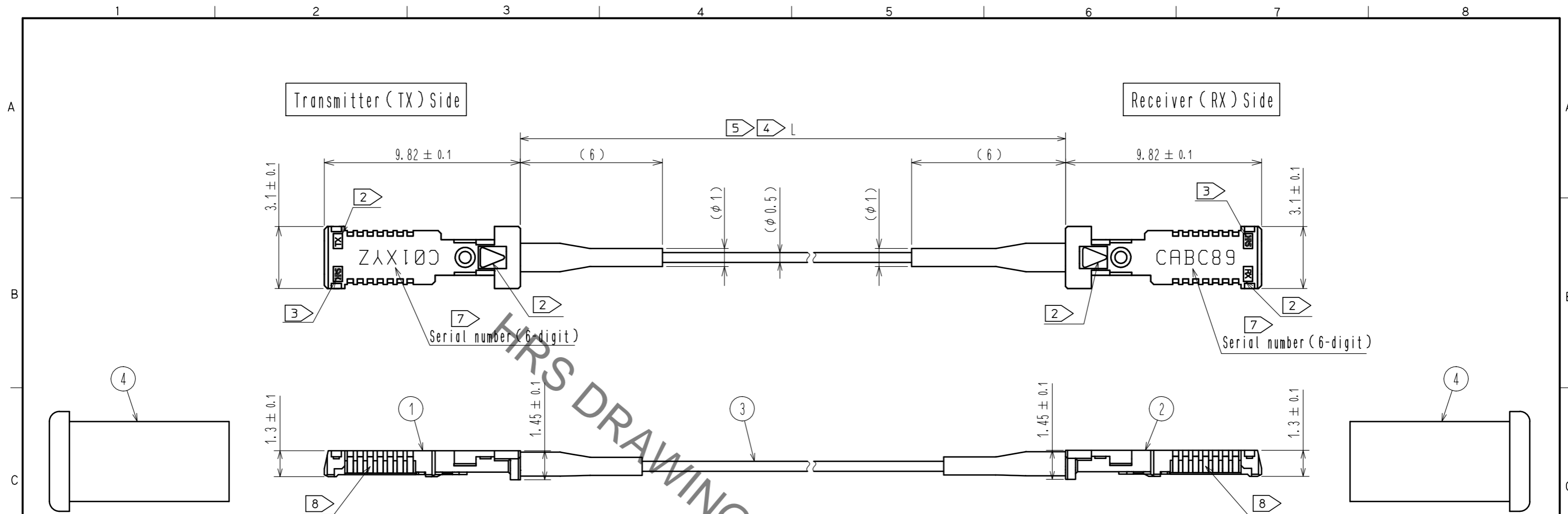


Table 1 Parts list

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 shrink tubing : Polyolefin (Black)	Suitable receptacle connector BF4-TX-14DS-0.5V
②	Receiver plug (RX)	Housing : LCP (White) Contact : Phosphor 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 Table 2 Cable length vs tolerance

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

- 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 Dimension '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 regulation)
  - 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 mm	SCALE 5 : 1	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
<b>HRS</b> HIROSE ELECTRIC CO., LTD.	APPROVED : MT. SHIBUTANI	15.04.21	DRAWING NO.	EDC-179522-00-00		
	CHECKED : OM. MIYAMOTO	15.04.21	PART NO.	BF4MC-6GTXX-B1-**M		
	DESIGNED : YA. SANO	15.04.21	CODE NO.			
	DRAWN : YA. SANO	15.04.21				

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fibre Optic Cable Assemblies](#) category:*

*Click to view products by [Hirose](#) manufacturer:*

Other Similar products are found below :

[7-21002-9](#) [760-1518](#) [FA04390-50-M-72-LC-N](#) [MLB 501 V RED](#) [MLB 501 V YELLOW](#) [1-3636-600-5208](#) [2061529-7](#) [1-6693182-0](#)  
[1754898-1](#) [21055-6](#) [FXBSCSCE2LM002](#) [3-21053-2](#) [MLB 200/1 V BLACK](#) [MLB 2001 V RED](#) [MLB 2001 V YELLOW](#) [MLB 501 V](#)  
[BLACK](#) [5492011-6](#) [106284-7000](#) [5492011-5](#) [5492011-8](#) [5492011-9](#) [8-21007-5](#) [2123524-2](#) [2123524-1](#) [106386-4447](#) [DFSM-SCSC-2M](#)  
[2123909-4](#) [2123909-8](#) [106273-0629](#) [2125046-1](#) [2821236-3](#) [2821310-2](#) [2821310-3](#) [2821313-4](#) [FX2ERLNLNSNM0.5](#) [CF-980062-074](#) [CF-](#)  
[901200-394](#) [CF-980062-073](#) [CF-980062-071](#) [CF-980062-075](#) [CF-980062-072](#) [17-300310-100](#) [2821236-2](#) [2821313-1](#) [G-FC-FC-S-002.0-DX-](#)  
[A-18-Y](#) [G-E2A-E2A-S-003.0-SX-A-18-Y](#) [956-322-502214](#) [FA04474](#) [1111540](#) [1111843](#)