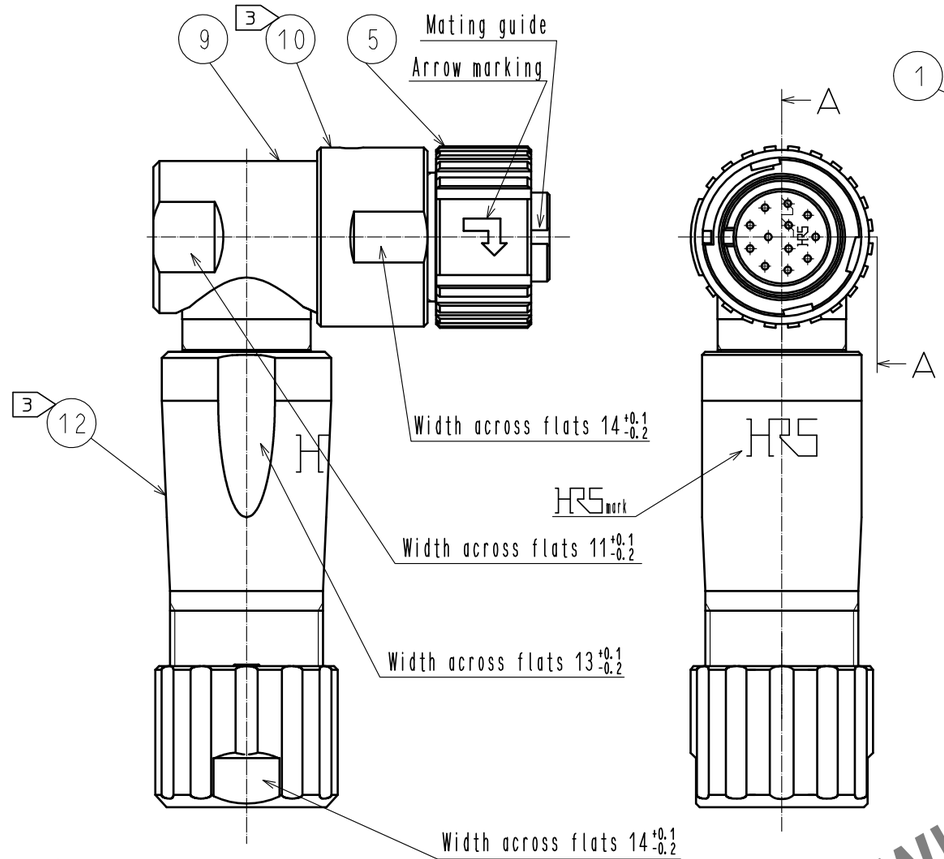
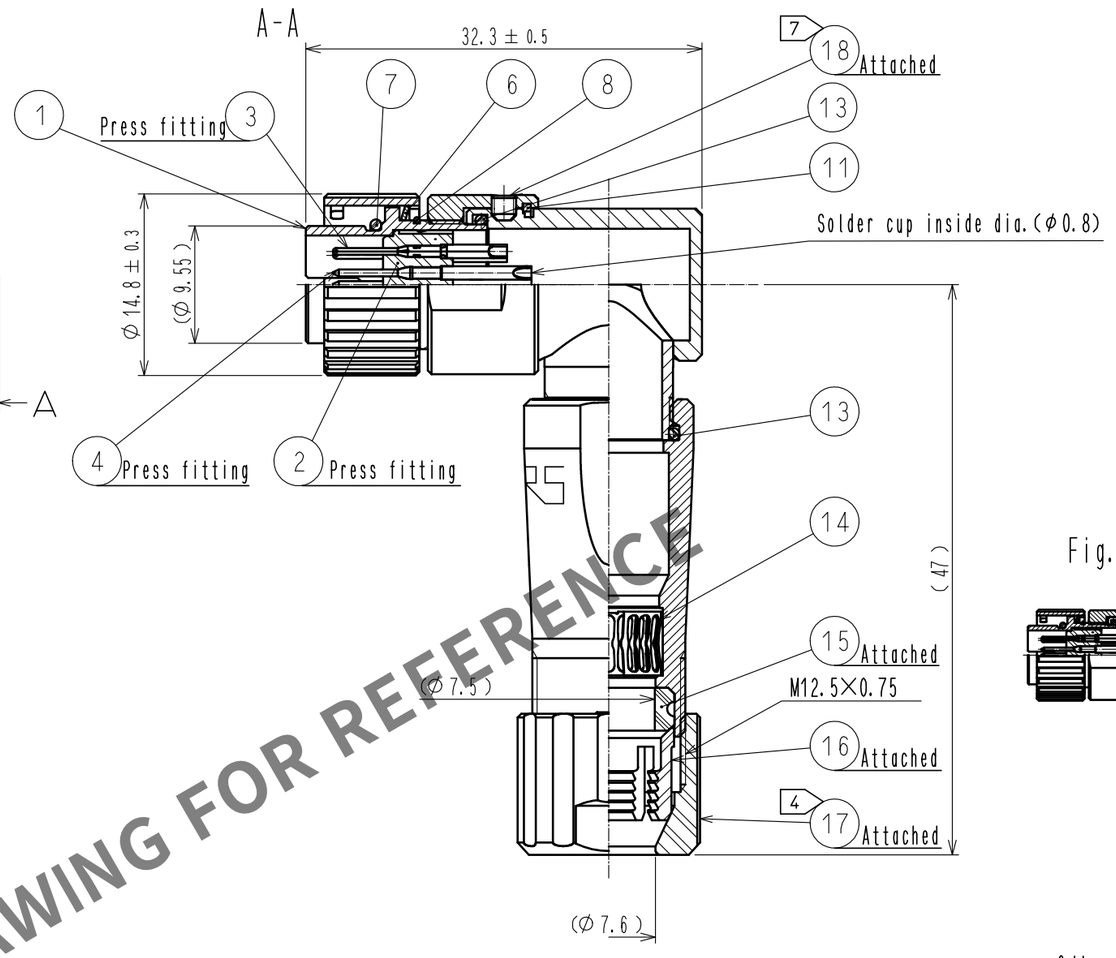
HIROSE ELECTRIC CO., LTD. All Rights Reserved.
May.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.





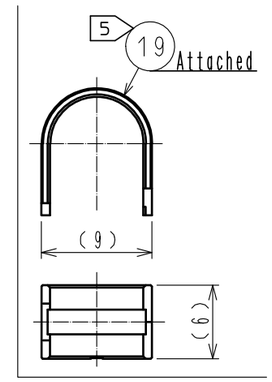
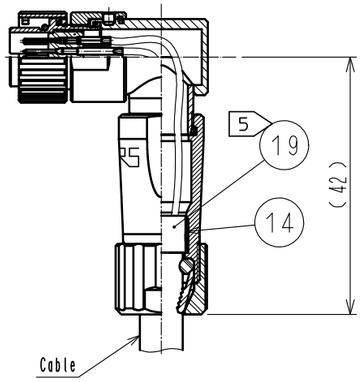


Fig.1 (1:1)



HRS DRAWING FOR REFERENCE

Notes
1 Plating (ref. No. ③)
Contact area : Gold 0.2μm min
Others : Gold and nickel
Under plating : Nickel 2μm min
2 Plating (ref. No. ④)
Surface area : Gold 0.2μm min
Under plating : Nickel 2μm min
△1 3 The recommended clamp torque of ref. No. ⑲, ⑫ to be 1.5 to 2 N・m.
Thread locker to the threaded portion of ref. No. ① applies to prevent ref. No. ①, ⑨ from loosing.
Recommended thread locker : LOCTITE 263, HENKEL JAPAN LTD.
△1 4 The recommended clamp torque of ref. No. ⑰ to be 0.8 to 1 N・m.
Thread locker and lock primer to the threaded portion M12.5 ×0.75 of ref. No. ⑫ applies to prevent ref. No. ⑫ from loosing.
Recommended thread locker and lock primer : LOCTITE 263, LOCK PRIMER 7649, HENKEL JAPAN LTD.
5 Fasten ref. No. ⑭ to the cable with the cable crimping tool.
And make ref. No. ⑲ contact with ref. No. ⑭ (Refer to Fig. 1).
Refer to the technical specification ETAD—C0404 for details.
6 Applicable cable crimping tool : LF-TC-01 (CL-150-0234-6)(The hole diameter for crimping: φ7.9)
Applicable cable assembly fixture : LF10BP-T01 (CL150-0235-9)
7 The recommended clamp torque of ref. No. ⑱ to be 0.12 to 0.15 N・m, and opposite side distance is 0.889mm.
Thread locker and lock primer to the threaded portion of ref. No. ⑱ is recommended to prevent ref. No. ⑱ from loosing.
Recommended thread locker and lock primer : LOCTITE 263, LOCK PRIMER 7649, HENKEL JAPAN LTD.
8 Rotation examples of ref. No. ⑤, ⑨, ⑩ and ⑭ to ① are shown.
and rotation examples of ref. No. ⑫, ⑰ to ⑨ are shown.
9 The cable pull and twisting strength and other characteristics may differ, depending on the cable structure, please confirm before the use.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
10	Brass	Nickel plating			
9	Brass	Nickel plating	19	Brass	Nickel plating
8	Stainless steel		18	Stainless steel	Hex socket set screw Dimple M2×0.4×2
7	Chloroprene rubber	(Black)	17	PPS	(Natural, Brown) UL94V-0
6	Stainless steel		16	Polyamide	(Natural, Minky white) UL94V-0
5	Zinc alloy	Nickel plating	15	Chloroprene rubber	(Black)
4	Brass	2	14	Phosphor bronze	Nickel plating
3	Copper alloy	1	13	Chloroprene rubber	(Black)
2	PPS	(Black) UL94V-0	12	Zinc alloy	Nickel plating
1	Brass	Nickel plating	11	Stainless steel	

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△1	2	DIS-C-00017013	HT. ZENBA	EJ. KUNII	20240311

HIROSE ELECTRIC CO., LTD.

APPROVED	HY. KOBAYASHI	20180222	DRAWING NO. EDC-118147-31-00
CHECKED	HY. KOBAYASHI	20180222	PART NO. LF10WBLP-12PA(31)
DESIGNED	TY. SUZUKI	20180221	
DRAWN	HM. SAITO	20180219	CODE NO. CL0136-0025-0-31 △1 1/1