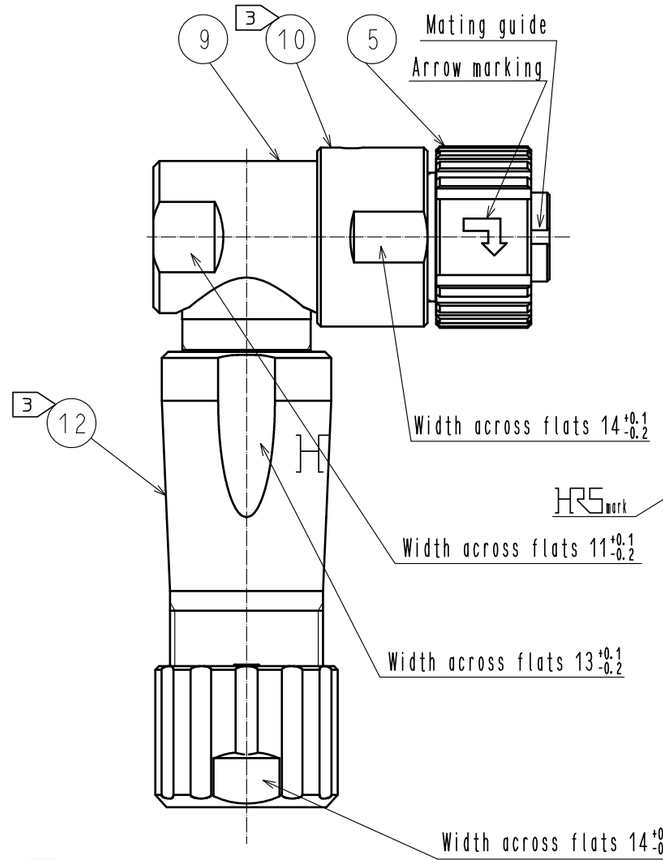
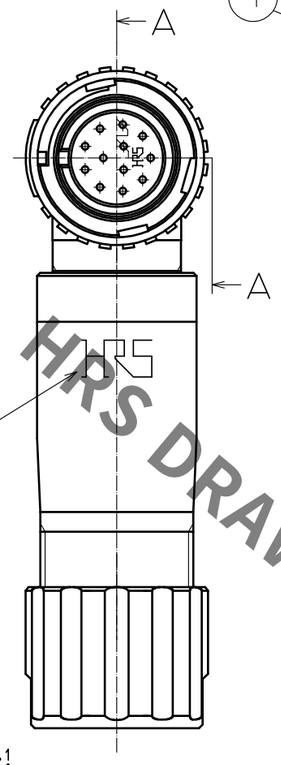
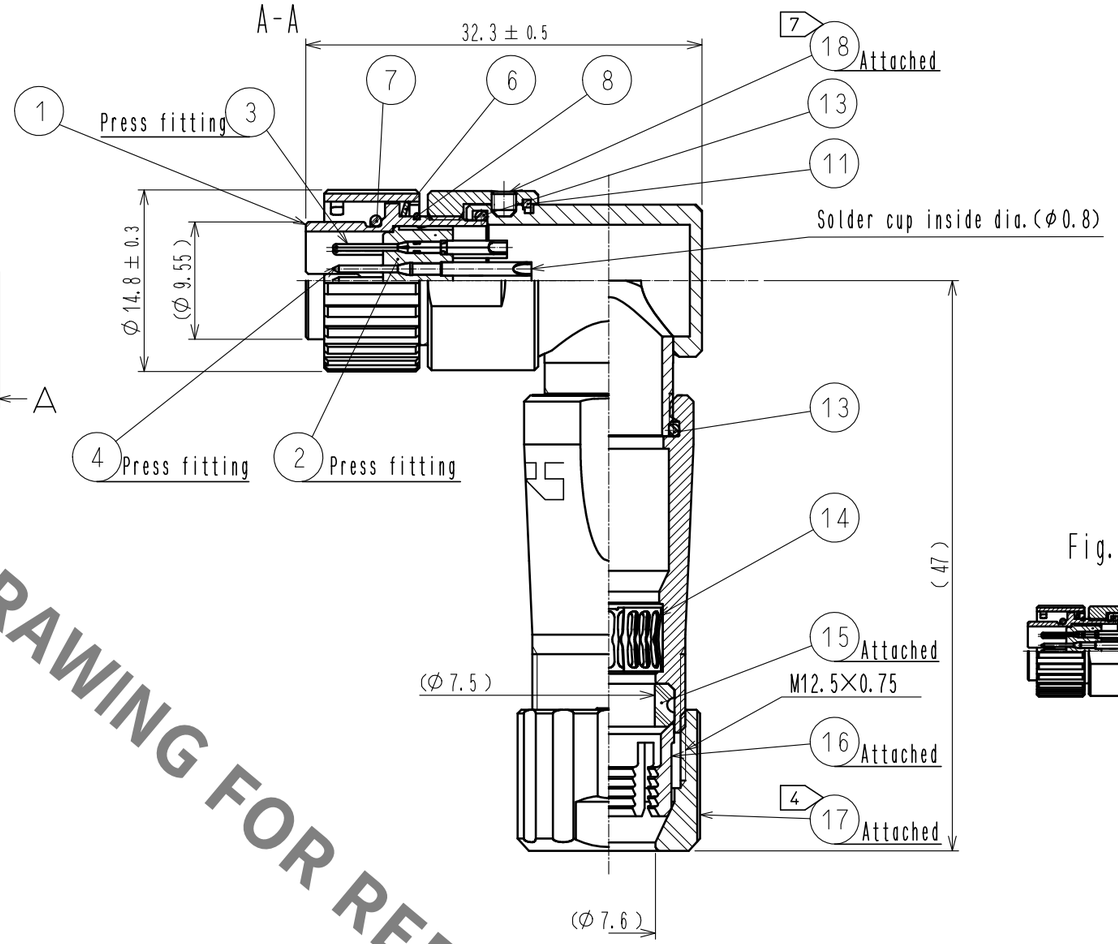
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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE







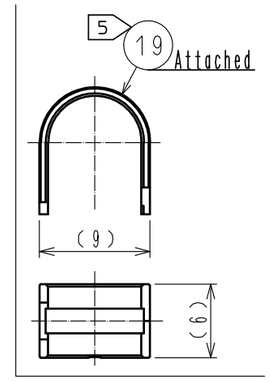
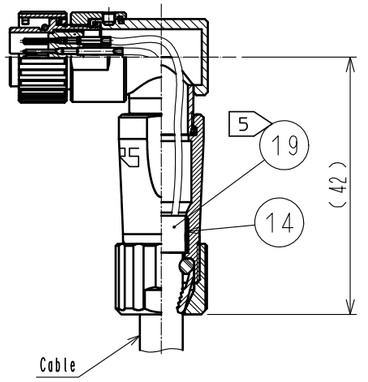


Fig.1 (1:1)



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
3 The recommended clamp torque of ref. No. ⑩, ⑫ to be 1.5 to 2 N・m.
Thread locker to the threaded portion of ref. No. ① is recommended to prevent ref. No. ①, ⑨ from loosing.
Recommended thread locker : LOCTITE 263, HENKEL JAPAN LTD.
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 is recommended 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	△0					

HIROSE ELECTRIC CO., LTD.

APPROVED	HY. KOBAYASHI	18. 02. 22
CHECKED	HY. KOBAYASHI	18. 02. 22
DESIGNED	TY. SUZUKI	18. 02. 21
DRAWN	HM. SAITO	18. 02. 19

DRAWING NO.	EDC-118147-31-00
PART NO.	LF10WBLP-12PA(31)
CODE NO.	CL136-0025-0-31 △0 1/1