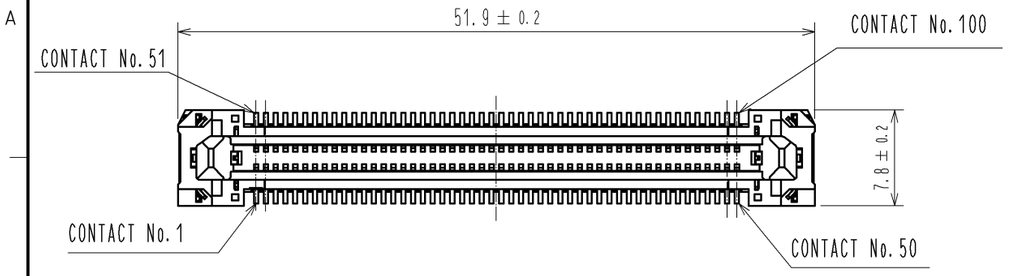
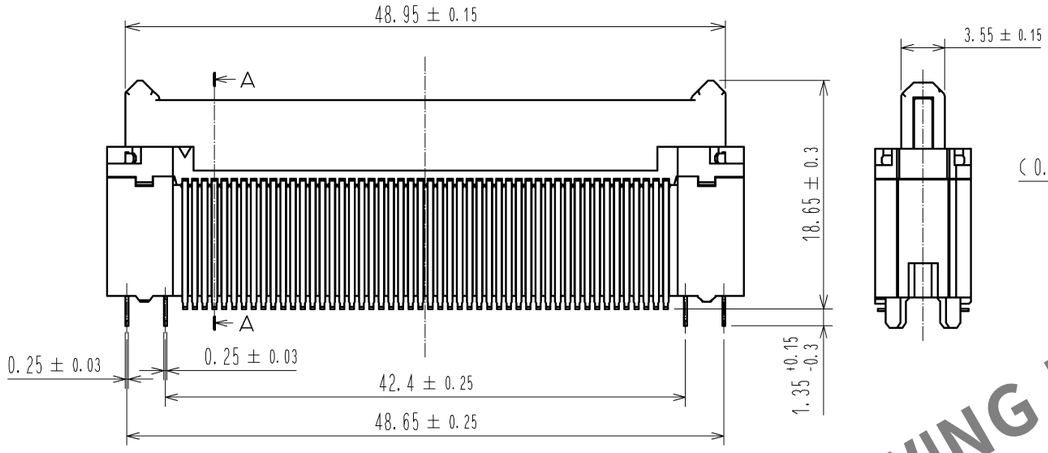
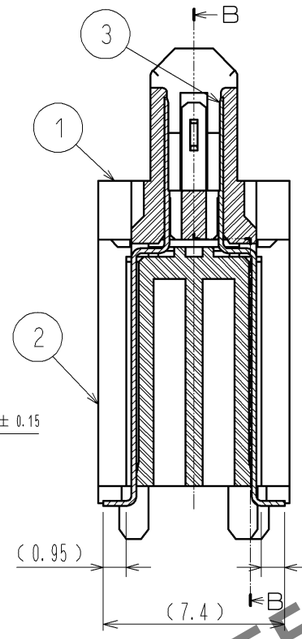
Apr.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

HRS DRAWING FOR REFERENCE

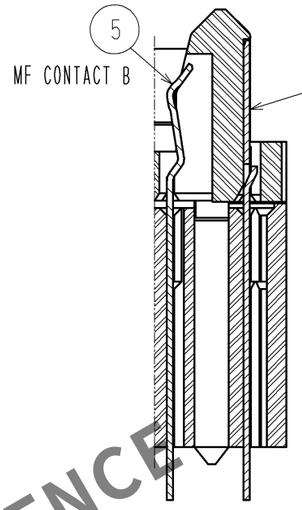




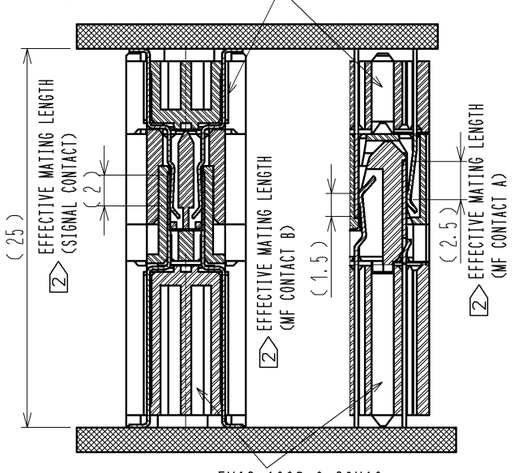
A−A(4:1)



B−B(4:1)

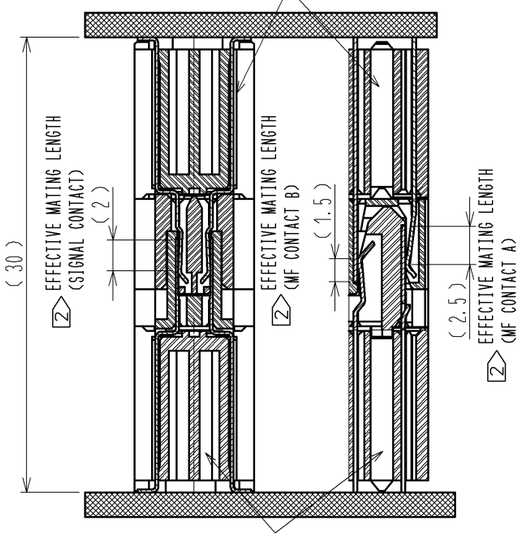


CROSS SECTION OF MATING(FREE)
STACKING HEIGHT=25mm
FX18-100S-0.8SV15

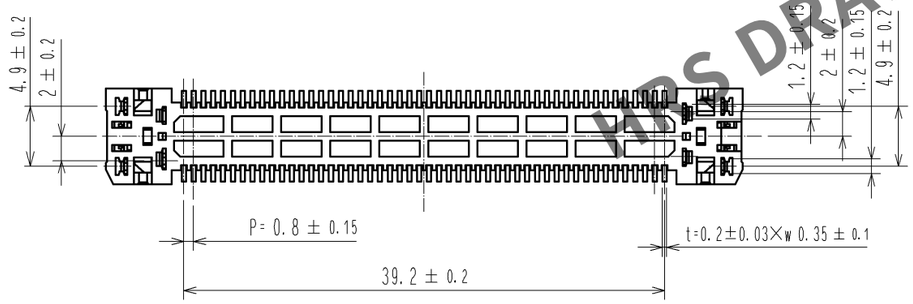


FX18-100P-0.8SV10

CROSS SECTION OF MATING(FREE)
STACKING HEIGHT=30mm
FX18-100S-0.8SV20



FX18-100P-0.8SV10



NOTE 1 LEAD CO—PLANARITY IS 0.1mm MAX.
2 CONTACTS ARE 3 STEPS SEQUENTIAL. (MF CONTACT A=>SIGNAL CONTACT=>MF CONTACT B)
WHEN USING THIS SEQUENTIAL STRUCTURE, PLEASE AVOID ANGLED INSERTION.
3 MF CONTACT A AND MF CONTACT B CAN BE USED AS POWER SUPPLY CONTACT. (3A/PIN MAX)
4 IT SHOWS THE VACUUM PICKUP AREA. (SEE PAGE 2)
REMOVE THE MYLAR TAPE BEFORE MATING CONNECTORS.
5 THIS IS PACKAGED IN TRAY. (40pcs/TRAY)
6 BLEMISH AND HIT MARK CAN BE OCCURED THROUGH OUT THE MANUFACTURING PROCESS WHICH DOESN' T AFFECT QUALITY LEVEL.
7 THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCES.

NO.	MATERIAL	FINISH , REMARKS
3	PHOSPHOR BRONZE	CONTACT AREA:GOLD 0.1μm
		LEAD AREA:GOLD 0.03μm
		UNDER PLATING:NICKEL 1.3μm
2	POLYAMIDE	BLACK UL94V-0
1	POLYAMIDE	BLACK UL94V-0

NO.	MATERIAL	FINISH , REMARKS
7	POLYIMIDE	
6	POLYSTYRENE	
5	COPPER ALLOY	CONTACT AREA:GOLD 0.1μm
		LEAD AREA:TIN-PLATING 1μm
		UNDER PLATING:NICKEL 1.3μm
4	COPPER ALLOY	CONTACT AREA:GOLD 0.1μm
		LEAD AREA:TIN-PLATING 1μm
		UNDER PLATING:NICKEL 1.3μm

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1					

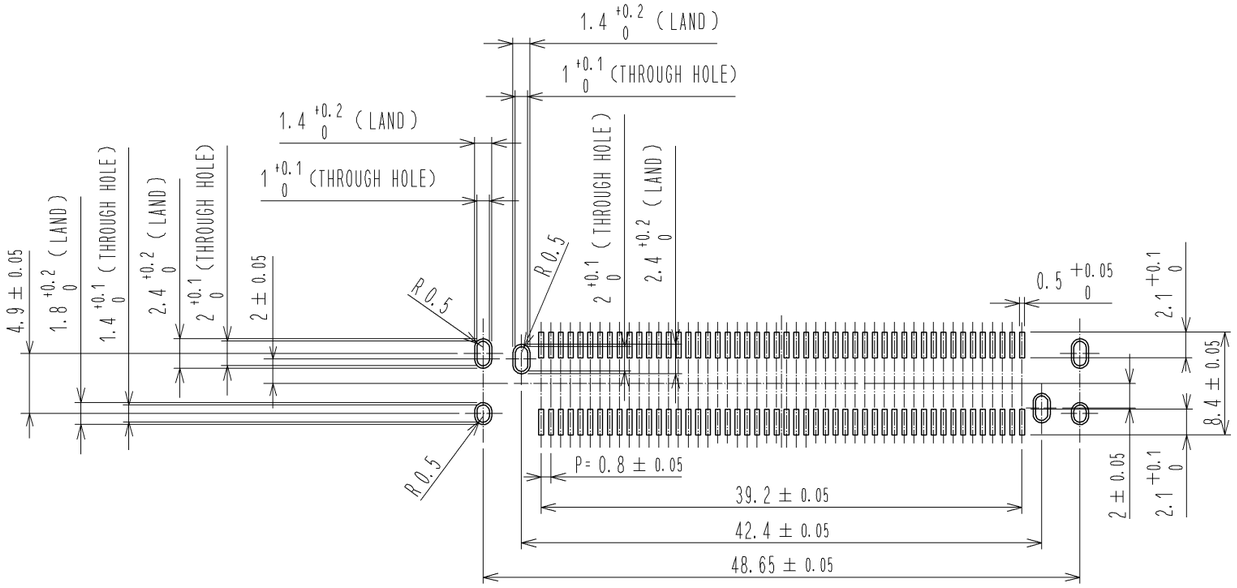
HIROSE ELECTRIC CO., LTD.

APPROVED	HS. OKAWA	12.06.12
CHECKED	KI. HIROKAWA	12.06.12
DESIGNED	AH. EDASHIGE	12.06.12
DRAWN	AH. EDASHIGE	12.06.12

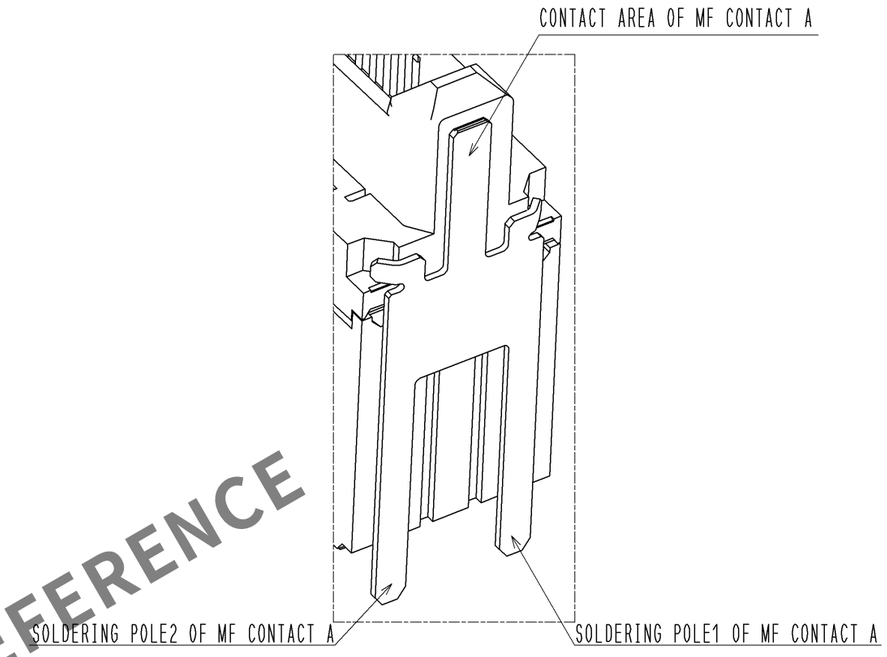
DRAWING NO.	EDC3-343463-00
PART NO.	FX18-100P-0.8SV10
CODE NO.	CL579-0034-1-00

Apr.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.

RECOMMENDED LAND PATTERN DIMENSION OF PCB(2:1)
(PCB THICKNESS:t=1.6mm METAL MASK THICKNESS:t=0.12mm)

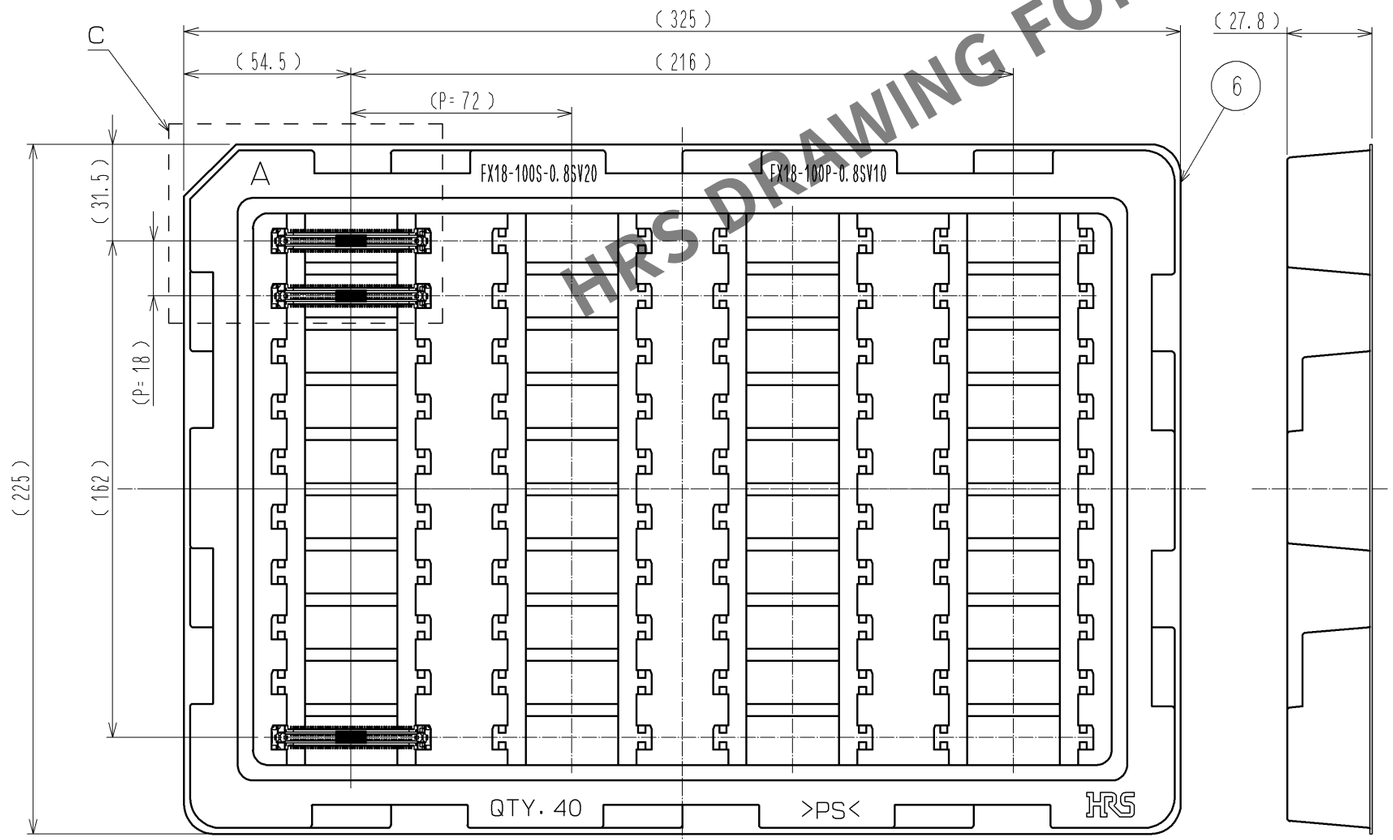


8 CONFIGURATION OF MF CONTACT A

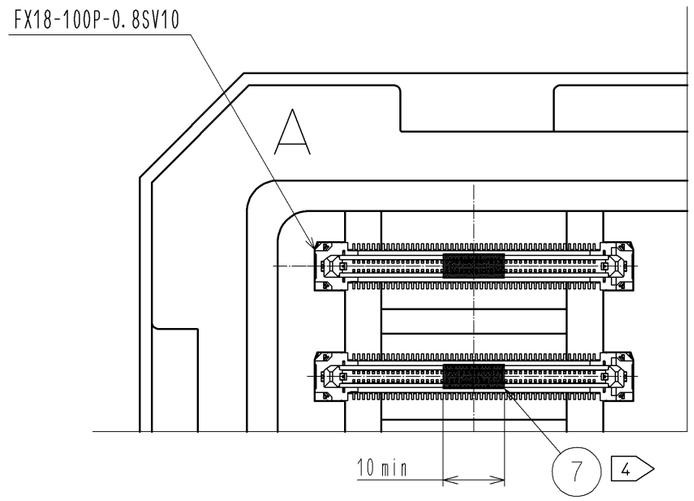


NOTE 8 SOLDERING LEAD OF MF CONTACT A SPLITS INTO TWO POLES.
BE SURE TO CONNECT TO THE SAME CIRCUIT.

5 DRAWING FOR PACKING(1:2)



C(1:1)



HRS DRAWING FOR REFERENCE

DRAWING NO.	EDC3-343463-00
PART NO.	FX18-100P-0.8SV10
CODE NO.	CL579-0034-1-00