

Technical drawing of the FX18-60S-0.8SV20 connector, showing various views and dimensions.

Top View: Dimensions include 33 ± 0.15, 35.9 ± 0.2, 3.6 ± 0.15, 5.1 ± 0.2, 7.8 ± 0.2, 0.25 ± 0.03, 26.4 ± 0.25, 34.05 ± 0.25, 1.35 ± 0.15, 16.45 ± 0.3, 0.25 ± 0.03, 23.2 ± 0.2, 4.9 ± 0.2, 2 ± 0.2, P = 0.8 ± 0.15, t = 0.2 ± 0.03 × w 0.35 ± 0.1.

Side View: Dimensions include 16.45 ± 0.3, 1.35 ± 0.15, 0.25 ± 0.03, 26.4 ± 0.25, 34.05 ± 0.25.

End View: Dimensions include 4.9 ± 0.2, 2 ± 0.2, P = 0.8 ± 0.15, t = 0.2 ± 0.03 × w 0.35 ± 0.1, 23.2 ± 0.2.

Cross Section of Mating (Free): Stacking Height = 20mm. Dimensions include (0.95), (7.4), (0.95), (20), (2), (1.5), (2.5), (2.5).

Cross Section of Mating (Free): Stacking Height = 30mm. Dimensions include (30), (2), (1.5), (2.5), (2.5).

Notes:

- LEAD CO-PLANARITY IS 0.1mm MAX.
- CONTACTS ARE 3 STEPS SEQUENTIAL. (MF CONTACT A=>SIGNAL CONTACT=>MF CONTACT B) WHEN USING THIS SEQUENTIAL STRUCTURE, PLEASE AVOID ANGLED INSERTION.
- MF CONTACT A AND MF CONTACT B CAN BE USED AS POWER SUPPLY CONTACT. (3A/PIN MAX)
- IT SHOWS THE VACUUM PICKUP AREA. (SEE PAGE 2) REMOVE THE MYLAR TAPE BEFORE MATING CONNECTORS.
- THIS IS PACKAGED IN TRAY. (60PCS/TRAY)
- BLEMISH AND HIT MARK CAN BE OCCURED THROUGH OUT THE MANUFACTURING PROCESS WHICH DOESN' T AFFECT QUALITY LEVEL.
- THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCES.

Material Table:

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

Material Table:

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

Approval Table:

APPROVED	DATE	CHECKED	DATE	DESIGNED	DATE	DRAWING NO.
HS OKAWA	11.08.24	KI. HIROKAWA	11.08.24	TH. SANO	11.08.24	EDC3-334391-00
TH. SANO	11.08.24	TH. SANO	11.08.24			PART NO. FX18-60S-0.8SV20
						CODE NO. CL579-0031-3-00

Units: mm

Scale: 2 : 1

Count: 1

Description of Revisions:

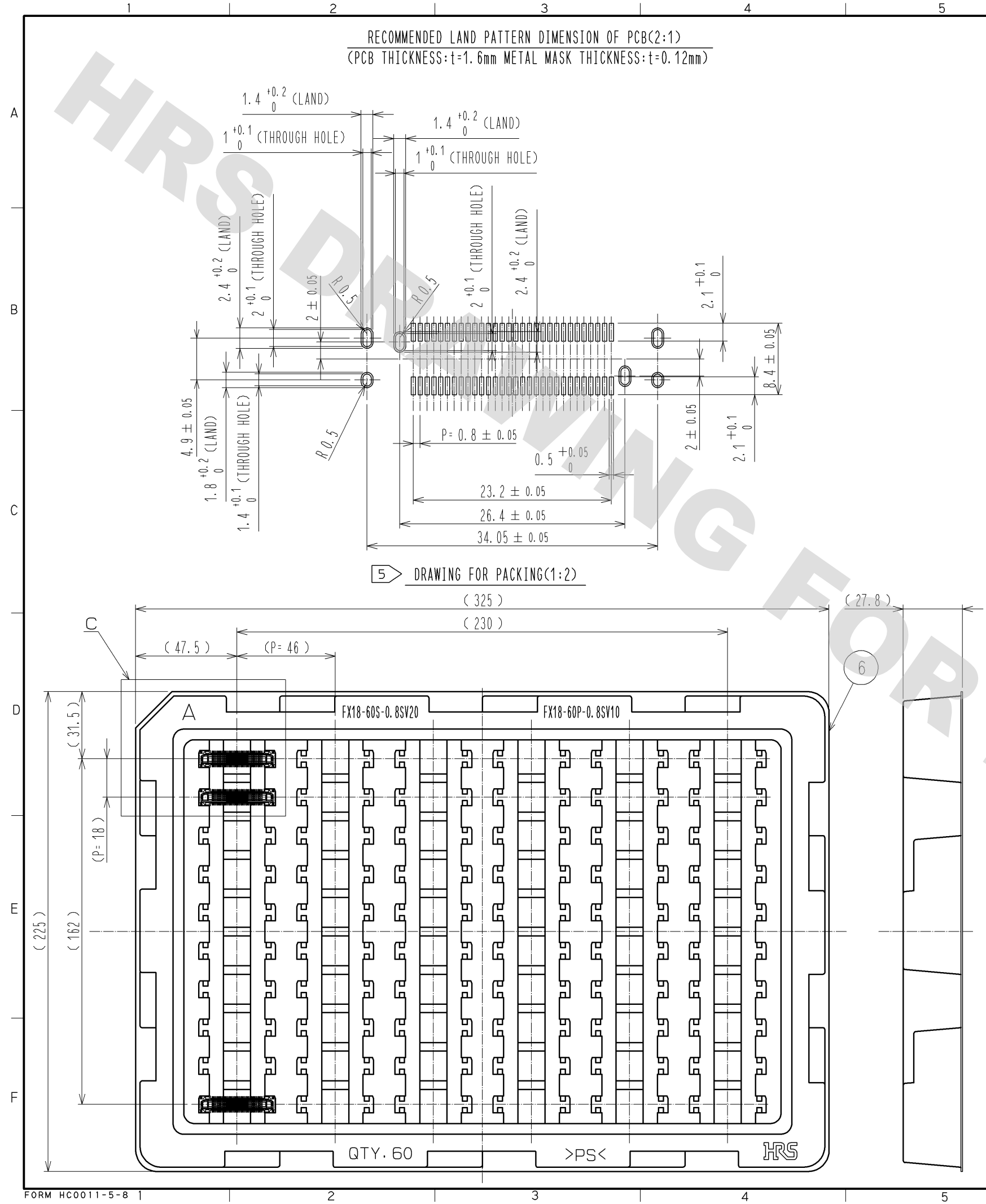
Designed:

Checked:

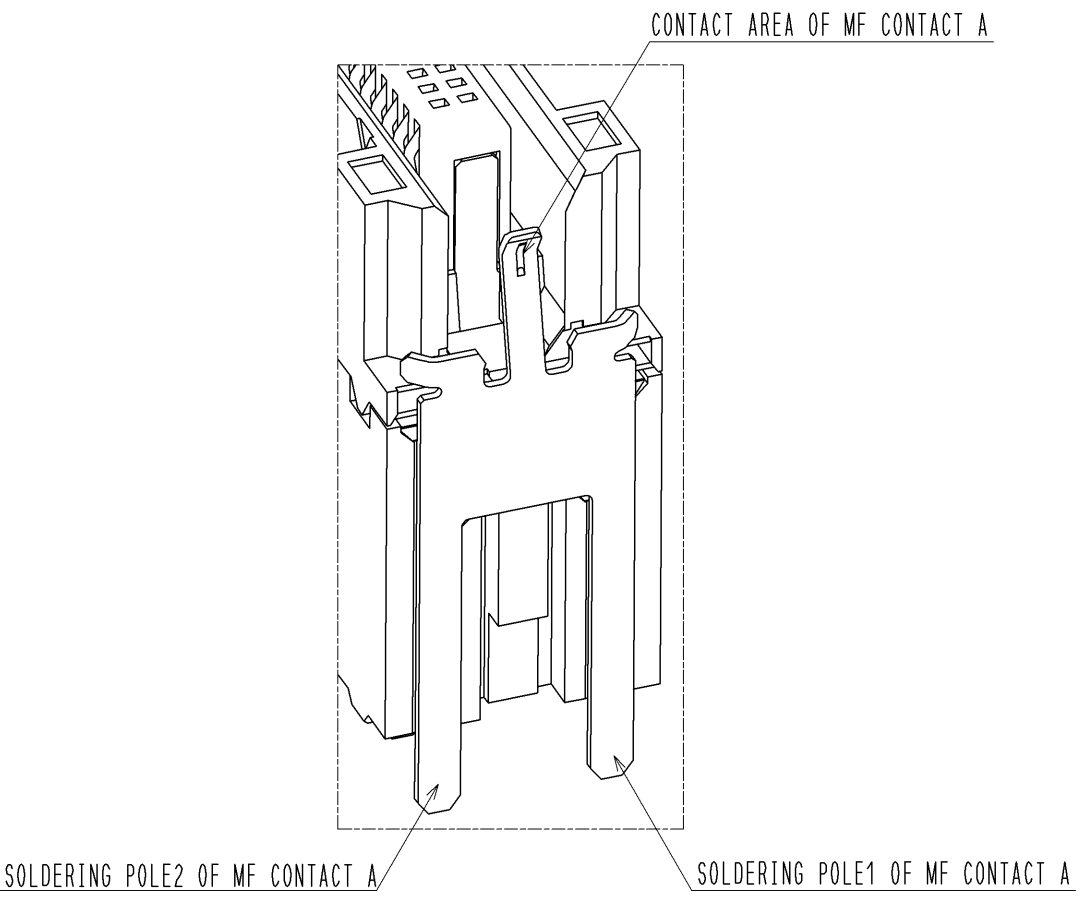
Date:

Form: HC0011-5-7

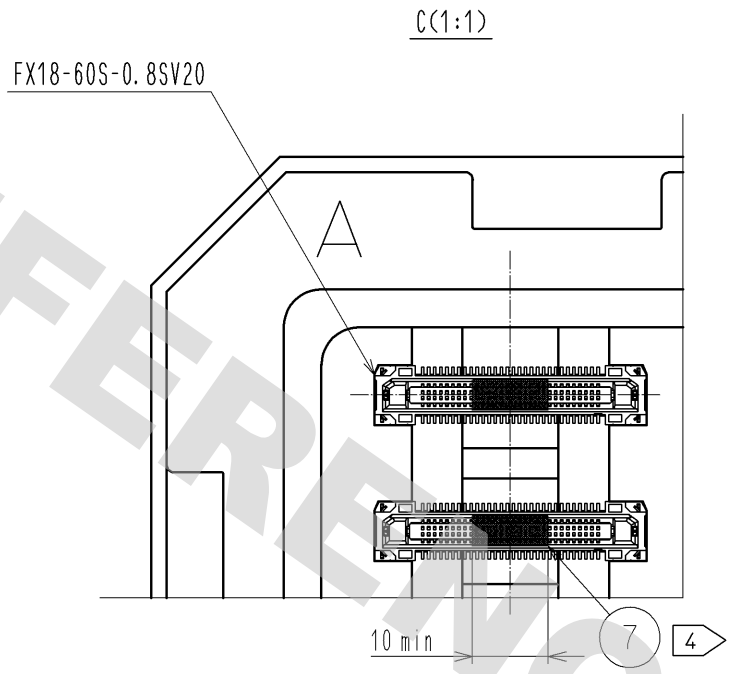
DRAWING FOR REFERENCE: This is subject to change without notice
08/11/2012



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.



HRS	DRAWING NO.	EDC3-334391-00
	PART NO.	FX18-60S-0.8SV20
	CODE NO.	CL579-0031-3-00
		△ 2/2