



RECOMMENDED LAND PATTERN DIMENSION OF PCB

FLOATING RANGE

Y direction: ±0.6mm  
X direction: ±0.8mm

Land pattern:  $0.3 \pm 0.03$   
Metal mask (t=0.15):  $0.25 \pm 0.03$   
Metal mask (t=0.12):  $0.3 \pm 0.03$

PCB DISTANCE (No scale)

FX20-100S-0.5SV (Mating connector) PCB

FX20-100P-0.5SV20 PCB

FX20-100P-0.5SV20

CROSS SECTION OF MATING (No scale)

(1.5) 2nd contact: effective mating length  
(2.5) 1st contact: effective mating length

DRAWING FOR PACKING (No scale)

B (10:1)

A (1:1)

- 1 Lead CO-Planarity is 0.1mm MAX.
- 2 This is packaged in tray. (60pcs/tray)
- 3 Floating range of this connector is ±0.8mm MAX in the X direction and ±0.6mm MAX in the Y direction.
- 4 Blemish and hit mark can be occurred through out the manufacturing process which doesn't affect quality level.
- 5 It shows the vacuum pickup area. Remove the mylar tape before mating connectors.
- 6 Please note that excessive wrenching force could damage this connector. Please refer to the guideline for detailed regulations of the mating method.
- 7 The dimensions in parentheses are for references.
- 8 Please use the connectors within the specified PCB distance.

2	POLYAMIDE	BLACK	UL94V-0	6	POLYIMIDE	(TAPE FOR VACUUM PICKUP)		
1	POLYAMIDE	BLACK	UL94V-0	5	POLYSTYRENE	(TRAY)		
				4	BRASS	TIN-PLATING 1 μm		
				3	COPPER ALLOY	CONTACT AREA: GOLD 0.1 μm LEAD AREA: GOLD 0.03 μm UNDER PLATING: NICKEL 1 μm		
NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH . REMARKS		
UNITS	mm	SCALE	2 : 1	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
APPROVED : HS. OKAWA		14.06.09		DRAWING NO.			EDC3-336328-01	
CHECKED : KN. SHIBUYA		14.06.09		PART NO.			FX20-100P-0.5SV20(10)	
DESIGNED : TS. OONO		14.06.09		CODE NO.			CL570-1010-1-10	
DRAWN : TS. OONO		14.06.09					1/1	