

东莞市博众电气有限公司

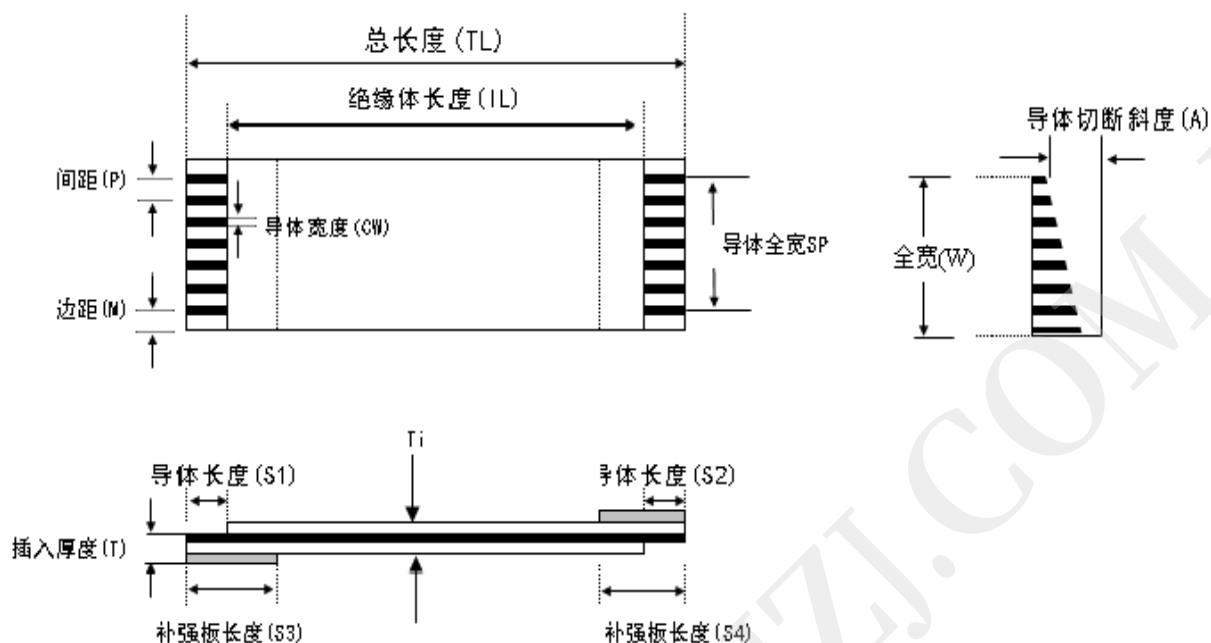
Dongguan Bozhong Electrical Co., Ltd

产品名称Product: FFC排线 B面（反面）

产品型号Part No: BTC05B-NP-TL-3-4

规格书

UL STYLE NO.20624, Non Deca (43 μ m) Film ,LFCu, Supporting Tape:0.225mm



P	T. L	W	SP	M	T	Ti	S1	S2	S3	S4	B	NO. OF CONDUCTOR
0.50	25.0	3.50	2.50	0.50	0.35	0.130	3.0	3.0	4.0	4.0	0.5	6
±0.1	±2.0	±0.1	±0.1	±0.1	±0.05	±0.05	±1.0	±1.0	±1.0	±1.0	小于	
导体规格		扁平铜板					厚度 (CT)			0.05		±0.005
		镀锡皮厚度：1.0 μ 以上					宽度 (CW)			0.3		±0.03

BTC05B-NP-TL-S1/S2-S3/S4

FFC连接器 间距 导体数 总长度 导体长度 补强板长度

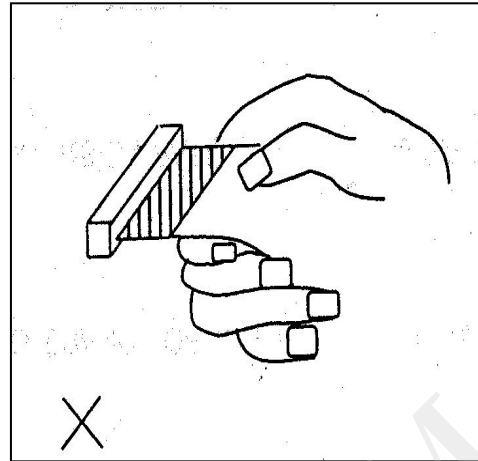
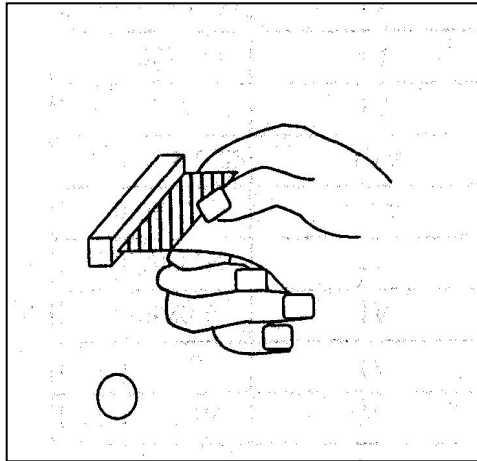
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MATERIAL SPECIFICATION

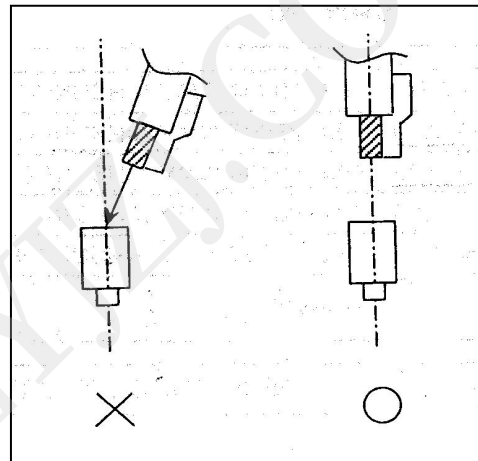
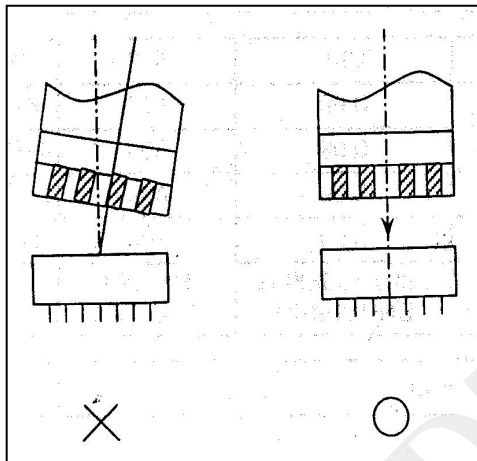
PRODUCT		FLEXIBLE FLAT CABLE				
UL STYLE NO.	VOLTAGE RATING	OPERATING TEMPERATURE	UL FILE NO.	MARKING		
☐ AWM 2896	30V	80℃		AWM 2896 80℃ VW-1		
☒ AWM 20624	60V	80℃		AWM 20624 80℃ VW-1		
☐ AWM 20706	60V	105℃		AWM 20706 105℃ VW-1		
CONDUCTOR	SIZE (Gt×Gw)	RATED CURRENT	RESISTANCE	REMARKS		
	☐ 0.1X1.27	2A	0.17Ω/M	* TIN PLATED COPPER WIRE		
	☐ 0.1X0.8	2A	0.27Ω/M	:99.994% PURE COPPER		
	☐ 0.1X0.7	2A	0.33Ω/M	* TOLERANCE OF THICKNESS		
	☐ 0.1X0.65	2A	0.35Ω/M	:±0.005		
	☐ 0.1X0.5	1A	0.42Ω/M	* TOLERANCE OF WIDTH		
	☐ 0.1X0.3	1A	0.70Ω/M	:±0.03		
	☐ 0.05X0.8	1A	0.53Ω/M	* EXTENSION RATE		
	☐ 0.05X0.65	1A	0.63Ω/M	:OVER THAN 15%		
	☐ 0.05X0.6	1A	0.65Ω/M	* STRAIN STRENGTH		
	☐ 0.035X0.8	1A	0.83Ω/M	:OVER THAN 13Kgf/mm ²		
	☐ 0.035X0.7	1A	0.60Ω/M	* PLATING THICKNESS		
	☐ 0.035X0.6	1A	0.96Ω/M	:0.075 μ 以上		
	☐ 0.035X0.3	0.5A	1.80Ω/M			
	☒ 0.035X0.3	0.5	1.89Ω/M			
	☐ 0.022X0.3	0.5A	3.18Ω/M			
	☐ 0.1X0.5 (P)	0.5A	2.80Ω/M	* TIN PLATED PHOSPHORUS BRONZE WIRE		
	LEAD FREE ☒			GLD ☐		
INSULATION FILM	NO.	BASE FILM	ADHESIVE	TOTAL THICKNESS	REMARK	COLOR
	☐ 1	PET 25μm	35μm	60μm	REGULAR	☐ WHITE ☐ BLA
	☒ 2	PET 19μm	24μm	43μm	SUPER FLEX	☒ WHITE
	☒ 3	PET 12μm	25μm	37μm	ULTRA FLEX	☐ WHITE
DECA FREE ☐						
SUPPORTING TAPE	NO.	BASE FILM	ADHESIVE	TOTAL THICKNESS	COLOR	
	☐ 1	PET 125μm	35μm	160μm	☐ WHITE	☐ BLUE
	☒ 2	PET 190μm	35μm	225μm	☐ WHITE	☒ BLUE
	☐ 3	PET 215μm	35μm	250μm	☐ WHITE	☐ BLUE
☐ 4	PET 250μm	35μm	285μm	☐ WHITE	☐ BLUE	
EMI SHIELD	ALUMINIUM FOIL [μm] COPPER FOIL [μm] FABRIC TAPE [μm] LAMINATION [μm]					
DOUBLE SIDE TAPE						
DIELECTRIC VOLTAGE WITHSTAND TEST			AC 500V/10mA 1分钟			
INSULATION RESISTANGE TEST			DC 500V/100Ω/M			
AGING			85℃/96 HR			
FLEXIBILITY	GENERAL	10,000 Min (R5×240/Min×40mm/Reciprocating)				
	FLEX	100,000 Min (R5×240/Min×40mm/Reciprocating)				
	SUPER	3,000,000 Min (R5×240/Min×40mm/Reciprocating)				
	ULTRA	6,000,000 Min (R5×240/Min×40mm/Reciprocating)				
FLAMMABILITY		PASS UL VW-1				

Matters that demand special attention :

- * When insert to connector, please insert straight correctly with Joiner's supporting-tape.



- * When insert to connector, please avoid excessive force.



- * After insert to connector, shall be not bend at supporting-tape excessive because Joiner is broken

