

东莞市博众电气有限公司

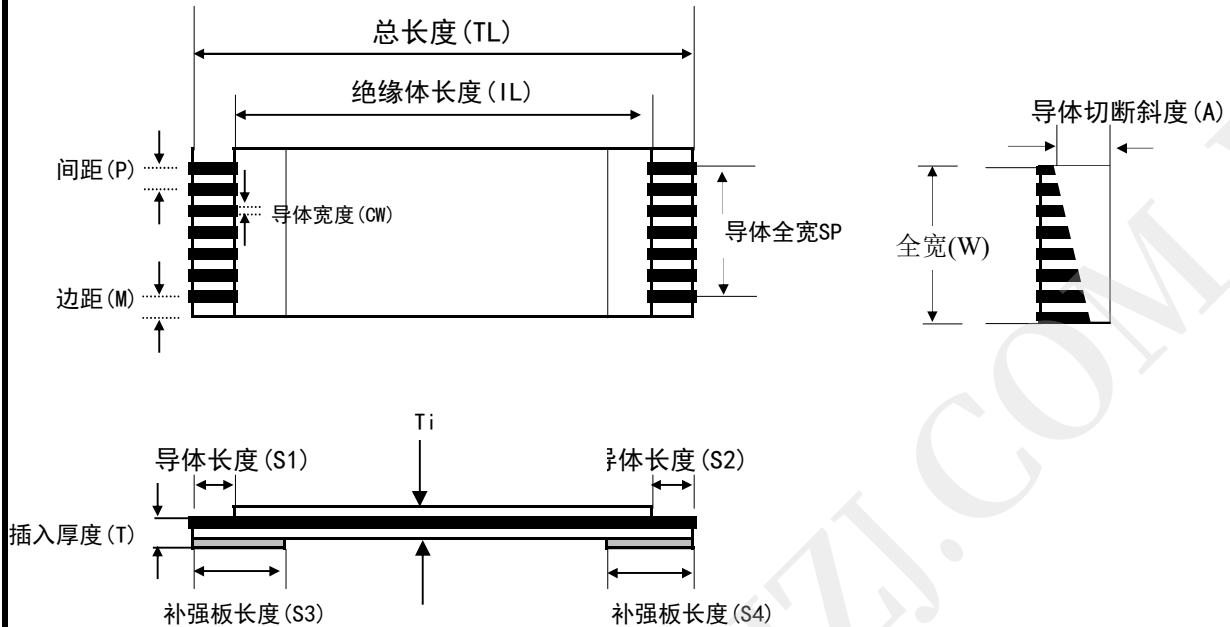
Dongguan Bozhong Electrical Co., Ltd

产品名称Product: FFC排线 A面（同面）

产品型号Part No: BTC05A-NP-TL-3-5

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	A	NO. OF CONDUCTOR
0.50	L	3.50	2.50	0.50	0.3	0.121	3.0	3.0	5.0	5.0	0.5	6
±0.1	±2.0	±0.1	±0.1	±0.1	± 0.05	±0.05	±0.5	±0.5	±1.0	±1.0	小于	
导体规格		扁平铜板					厚度 (CT)		0.035		±0.005	
		镀锡皮厚度：1.0 μ 以上					宽度 (CW)		0.3		±0.03	

B T C 0 5 A - NP-TL-S1/S2-S3/S5

FFC连接器	间距	导体数	总长度	导体长度	补强板长度
1	2.54	16	100	80	20
2	2.54	16	100	80	20
3	2.54	16	100	80	20
4	2.54	16	100	80	20
5	2.54	16	100	80	20
6	2.54	16	100	80	20
7	2.54	16	100	80	20
8	2.54	16	100	80	20
9	2.54	16	100	80	20
10	2.54	16	100	80	20
11	2.54	16	100	80	20
12	2.54	16	100	80	20
13	2.54	16	100	80	20
14	2.54	16	100	80	20
15	2.54	16	100	80	20
16	2.54	16	100	80	20
17	2.54	16	100	80	20
18	2.54	16	100	80	20
19	2.54	16	100	80	20
20	2.54	16	100	80	20
21	2.54	16	100	80	20
22	2.54	16	100	80	20
23	2.54	16	100	80	20
24	2.54	16	100	80	20
25	2.54	16	100	80	20
26	2.54	16	100	80	20
27	2.54	16	100	80	20
28	2.54	16	100	80	20
29	2.54	16	100	80	20
30	2.54	16	100	80	20
31	2.54	16	100	80	20
32	2.54	16	100	80	20
33	2.54	16	100	80	20
34	2.54	16	100	80	20
35	2.54	16	100	80	20
36	2.54	16	100	80	20
37	2.54	16	100	80	20
38	2.54	16	100	80	20
39	2.54	16	100	80	20
40	2.54	16	100	80	20
41	2.54	16	100	80	20
42	2.54	16	100	80	20
43	2.54	16	100	80	20
44	2.54	16	100	80	20
45	2.54	16	100	80	20
46	2.54	16	100	80	20
47	2.54	16	100	80	20
48	2.54	16	100	80	20
49	2.54	16	100	80	20
50	2.54	16	100	80	20
51	2.54	16	100	80	20
52	2.54	16	100	80	20
53	2.54	16	100	80	20
54	2.54	16	100	80	20
55	2.54	16	100	80	20
56	2.54	16	100	80	20
57	2.54	16	100	80	20
58	2.54	16	100	80	20
59	2.54	16	100	80	20
60	2.54	16	100	80	20
61	2.54	16	100	80	20
62	2.54	16	100	80	20
63	2.54	16	100	80	20
64	2.54	16	100	80	20
65	2.54	16	100	80	20
66	2.54	16	100	80	20
67	2.54	16	100	80	20
68	2.54	16	100	80	20
69	2.54	16	100	80	20
70	2.54	16			

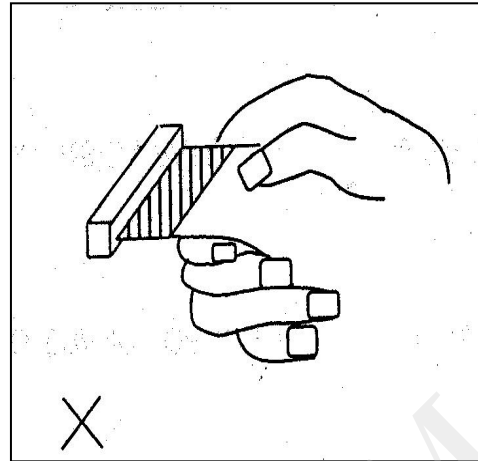
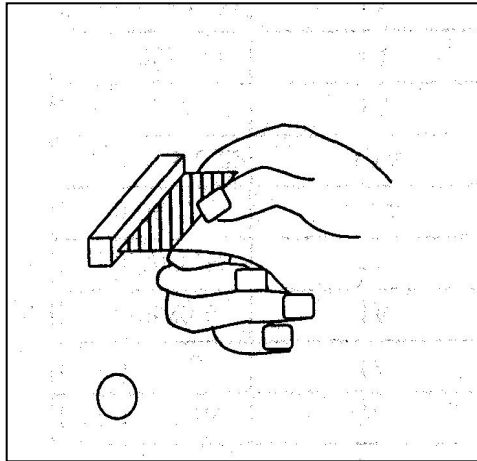
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MATERIAL SPECIFICATION

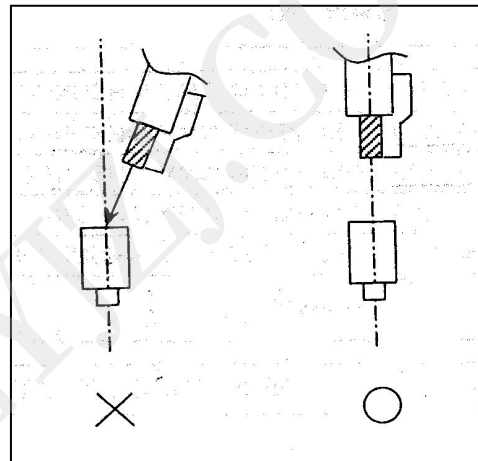
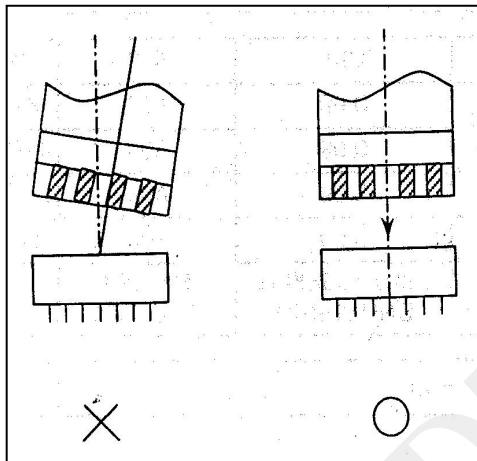
PRODUCT		FLEXIBLE FLAT CABLE				
UL STYLE NO.	VOLTAGE RATING	OPERATING TEMPERATURE	UL FILE NO.	MARKING		
☐ AWM 2896	30V	80℃		AWM 2896 80℃ VW-1		
☒ AWM 20624	60V	80℃		AWM 20624 80℃ VW-1		
☐ AWM 20706	60V	105℃		AWM 20706 105℃ VW-1		
CONDUCTOR	SIZE (Ct×Gw)	RATED CURRENT	RESISTANCE	REMARKS		
	☐ 0.1X1.27	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 ☒			G ☐ LD			
INSULATION FILM	NO.	BASE FILM	ADHESIVE	TOTAL THICKNESS	REMARK	COLOR
	☐ 1	PET 25μm	35μm	60μm	REGULAR	☐ WHITE ☐ BLACK
	☒ 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 RESISTANCE 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

