

# 东莞市博众电气有限公司

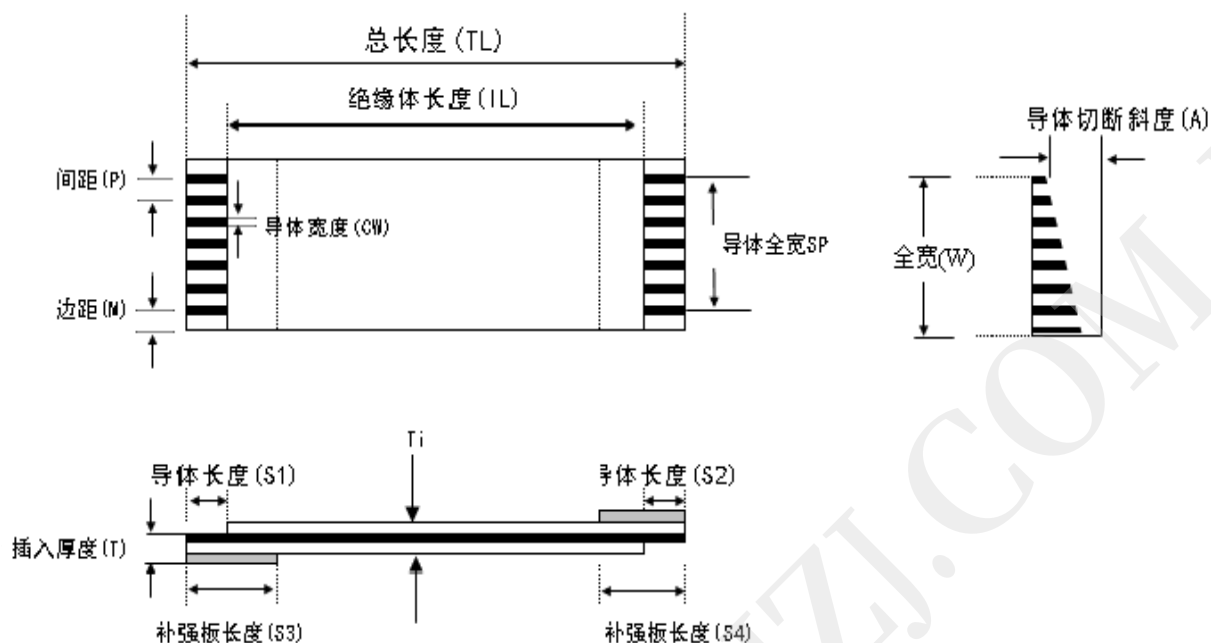
Dongguan Bozhong Electrical Co., Ltd

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 $\mu$ 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

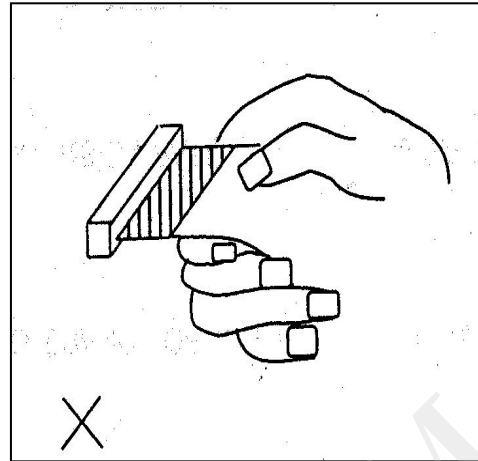
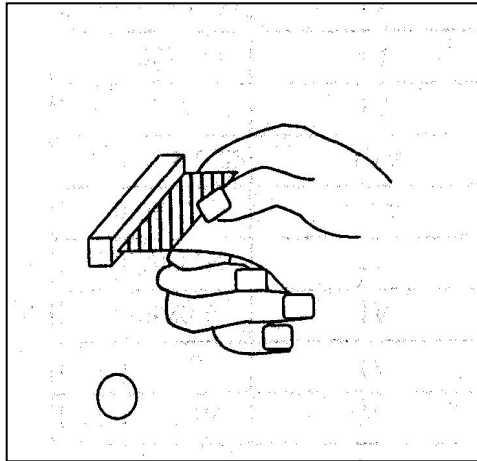
[illegible]

## MATERIAL SPECIFICATION

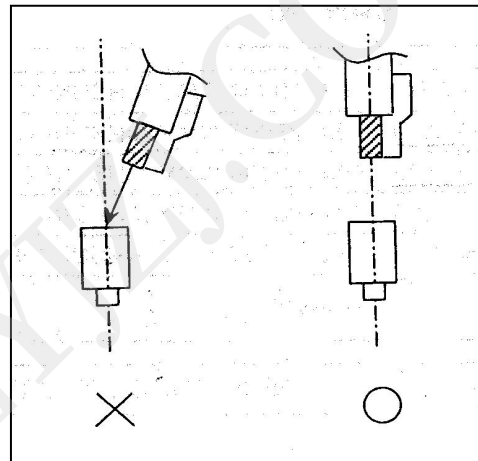
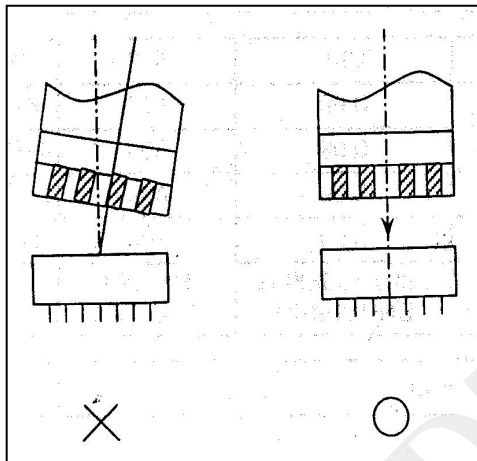
| PRODUCT                                       |                                                                                                | FLEXIBLE FLAT CABLE                           |                  |                                                              |                                                                         |                                                               |
|-----------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------|--------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------|
| UL<br>STYLE NO.                               | VOLTAGE<br>RATING                                                                              | OPERATING<br>TEMPERATURE                      | UL<br>FILE NO.   | MARKING                                                      |                                                                         |                                                               |
| <input type="checkbox"/> AWM 2896             | 30V                                                                                            | 80℃                                           |                  | AWM 2896 80℃ VW-1                                            |                                                                         |                                                               |
| <input checked="" type="checkbox"/> AWM 20624 | 60V                                                                                            | 80℃                                           |                  | AWM 20624 80℃ VW-1                                           |                                                                         |                                                               |
| <input type="checkbox"/> AWM 20706            | 60V                                                                                            | 105℃                                          |                  | AWM 20706 105℃ VW-1                                          |                                                                         |                                                               |
| CONDUCTOR                                     | SIZE (Ct×Cw)                                                                                   | RATED CURRENT                                 | RESISTANCE       | REMARKS                                                      |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X1.27                                                              | 2A                                            | 0.17Ω/M          | * TIN PLATED COPPER WIRE                                     |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.8                                                               | 2A                                            | 0.27Ω/M          | :99.994% PURE COPPER                                         |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.7                                                               | 2A                                            | 0.33Ω/M          | * TOLERANCE OF THICKNESS                                     |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.65                                                              | 2A                                            | 0.35Ω/M          | :±0.005                                                      |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.5                                                               | 1A                                            | 0.42Ω/M          | * TOLERANCE OF WIDTH                                         |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.3                                                               | 1A                                            | 0.70Ω/M          | :±0.03                                                       |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.05X0.8                                                              | 1A                                            | 0.53Ω/M          | * EXTENSION RATE                                             |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.05X0.65                                                             | 1A                                            | 0.63Ω/M          | :OVER THAN 15%                                               |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.05X0.6                                                              | 1A                                            | 0.65Ω/M          | * STRAIN STRENGTH                                            |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.035X0.8                                                             | 1A                                            | 0.83Ω/M          | :OVER THAN 13Kgf/mm <sup>2</sup>                             |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.035X0.7                                                             | 1A                                            | 0.60Ω/M          | * PLATING THICKNESS                                          |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.035X0.6                                                             | 1A                                            | 0.96Ω/M          | :0.075μ 以上                                                   |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.035X0.3                                                             | 0.5A                                          | 1.80Ω/M          |                                                              |                                                                         |                                                               |
|                                               | <input checked="" type="checkbox"/> 0.035X0.3                                                  | 0.5                                           | 1.89Ω/M          |                                                              |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.022X0.3                                                             | 0.5A                                          | 3.18Ω/M          |                                                              |                                                                         |                                                               |
|                                               | <input type="checkbox"/> 0.1X0.5 (P)                                                           | 0.5A                                          | 2.80Ω/M          | * TIN PLATED PHOSPHORUS BRONZE WIRE                          |                                                                         |                                                               |
|                                               | LEAD FREE <input checked="" type="checkbox"/>                                                  |                                               |                  | G <input type="checkbox"/> LD                                |                                                                         |                                                               |
| INSULATION<br>FILM                            | NO.                                                                                            | BASE FILM                                     | ADHESIVE         | TOTAL<br>THICKNESS                                           | REMARK                                                                  | COLOR                                                         |
|                                               | <input type="checkbox"/> 1                                                                     | PET 25μm                                      | 35μm             | 60μm                                                         | REGULAR                                                                 | <input type="checkbox"/> WHITE <input type="checkbox"/> BLACK |
|                                               | <input checked="" type="checkbox"/> 2                                                          | PET 19μm                                      | 24μm             | 43μm                                                         | SUPER FLEX                                                              | <input checked="" type="checkbox"/> WHITE                     |
|                                               | <input checked="" type="checkbox"/> 3                                                          | PET 12μm                                      | 25μm             | 37μm                                                         | ULTRA FLEX                                                              | <input type="checkbox"/> WHITE                                |
| DECA FREE <input type="checkbox"/>            |                                                                                                |                                               |                  |                                                              |                                                                         |                                                               |
| SUPPORTING<br>TAPE                            | NO.                                                                                            | BASE FILM                                     | ADHESIVE         | TOTAL<br>THICKNESS                                           | COLOR                                                                   |                                                               |
|                                               | <input type="checkbox"/> 1                                                                     | PET 125μm                                     | 35μm             | 160μm                                                        | <input type="checkbox"/> WHITE <input type="checkbox"/> BLUE            |                                                               |
|                                               | <input checked="" type="checkbox"/> 2                                                          | PET 190μm                                     | 35μm             | 225μm                                                        | <input type="checkbox"/> WHITE <input checked="" type="checkbox"/> BLUE |                                                               |
|                                               | <input type="checkbox"/> 3                                                                     | PET 215μm                                     | 35μm             | 250μm                                                        | <input type="checkbox"/> WHITE <input type="checkbox"/> BLUE            |                                                               |
| <input type="checkbox"/> 4                    | PET 250μm                                                                                      | 35μm                                          | 285μm            | <input type="checkbox"/> WHITE <input type="checkbox"/> BLUE |                                                                         |                                                               |
| EMI SHIELD                                    | ALUMINIUM FOIL [    μm]    COPPER FOIL [    μm]    FABRIC TAPE [    μm]    LAMINATION [    μm] |                                               |                  |                                                              |                                                                         |                                                               |
| DOUBLE<br>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

