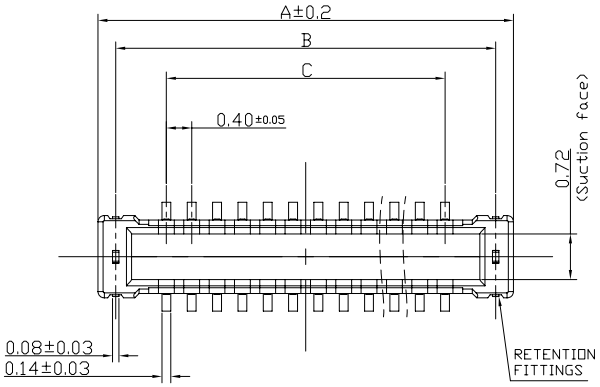
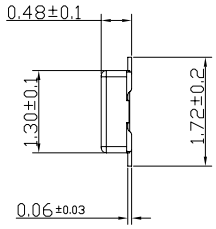
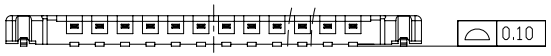
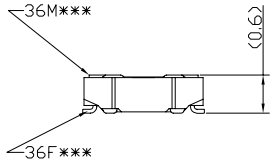
REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human Zhou	2013.09.12





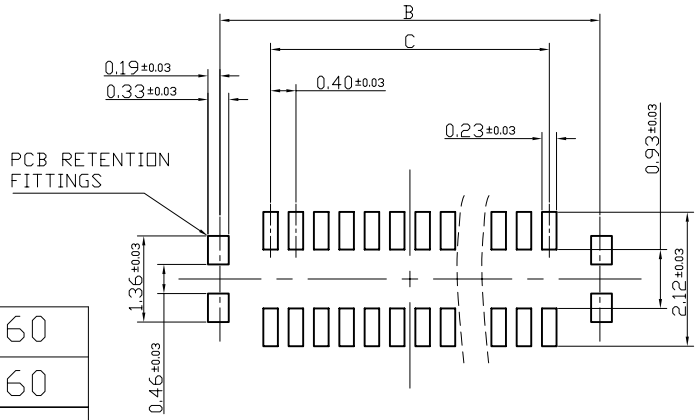




MATING SECTION

Specifications:

1) Material:
   1-1.Molded portion: LCP resin (UL94 V-0)
   1-2.Contact and Post: Copper alloy.
2) Surface treatment:
   2-1.Terminal portion: Base: Ni plating Surface: Au plating (except the terminal tips) ; Exposed nickel portions.
   2-2.Metal clips: Base: Ni plating Surface: Au flash plating (except the terminal tips) Or Base: Ni plating Surface: Sn flash plating (except the terminal tips)
3) Characteristics:
   3-1. Rated voltage: 60V AC/DC
   3-2. Rated current: 0.3A/contact (Max. 5A at total contact)
   3-3. Insulation resistance: Min. 1000MΩ (initial)
   3-4. Breakdown voltage: 150V AC for 1 min.
   3-5.Saltwater spray resistance (header and socket mated): 24 hours, insulation resistance min.100MΩ, contact resistance max. 90mΩ
   3-6. Contact resistance: Max. 90mΩ
   3-7. Ambient temperature: -55℃-+85℃
   3-8. Storage temperature: -55℃-+85℃ (product only); -40℃-+50℃ (emboss packing)
   3-9. Composite insertion force: Max. 0.981N/contacts X contacts (initial)
   3-10. Composite removal force: Min. 0.165N/contacts X contacts
   3-11. Post holding force: Min. 0.49N/contacts
   3-12. Insertion and removal life: 50 times



RECOMMENDED PCB LAYOUT

5036-M***-04

HEADER

PITCH-0.4MM

NUMBER OF CONTACTS

TABLE:

40	9.76	9.20	7.60
30	7.76	7.20	5.60
24	6.56	6.00	4.40
10	3.76	3.20	1.60
NUMBER OF CONTACTS	A	B	C

DIMENTION IN mm

TOLERANCE UNLESS OTHERWISE SPECIFIED

. ±0.20	. ±2°
.0 ±0.10	.0 ±1°
.00 ±0.05	.00±0.5°
.000±0.03	.000±0.3°

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APPD:

CHKD:

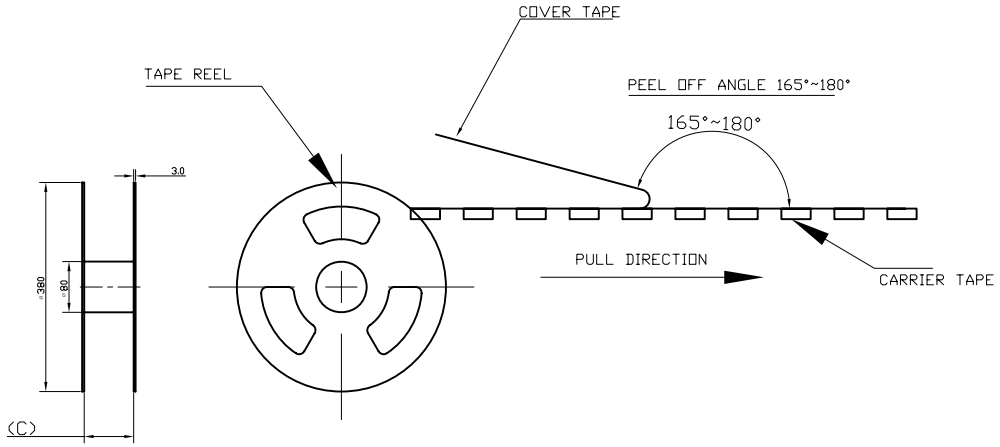
DRA: George Gao 2013.09.12

TITLE: 0.4MM BTB (MATING HEIGHT 0.6H)

DWG NO: 5036-M***-04

PROJ	Q'TY	SIZE	SHEET	SCALE	REV
	--	A4	1/1	1:1	A

REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human zhou	2013.09.12



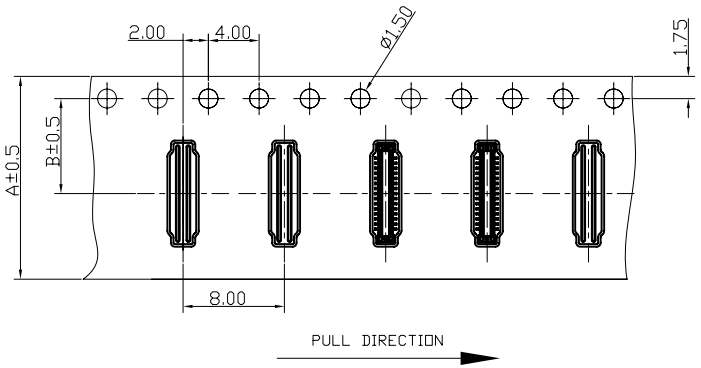


TABLE:

40	24.00	11.50	25.4	10000
30	16.00	7.50	17.4	
24				
10				
NUMBER OF CONTACTS	A	B	C	QTY/REEL

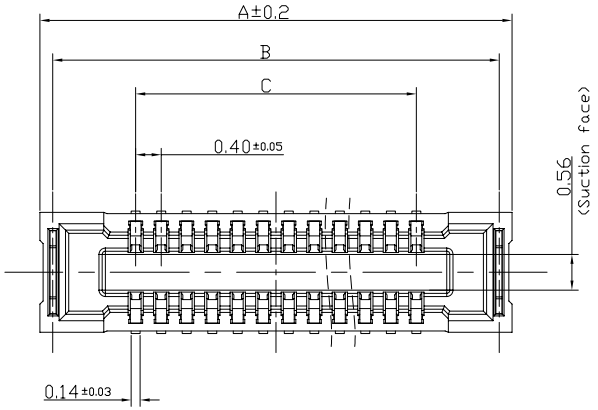
DIMENTION IN mm	
TOLERANCE UNLESS OTHERWISE SPECIFIED	
. ±0.20	. ±2°
.0 ±0.10	.0 ±1°
.00 ±0.05	.00±0.5°
.000±0.03	.000±0.3°

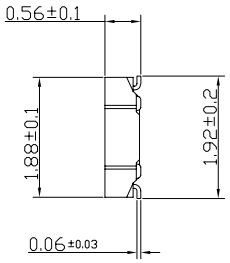
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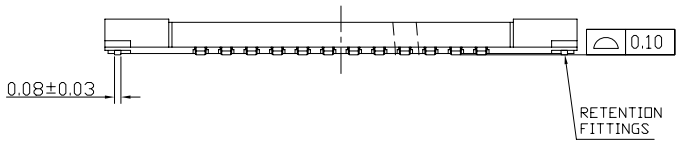
APPD:	TITLE: 0.4MM BTB (MATING HEIGHT 0.6H)
CHKD:	DWG NO: 5036-M***-04
DRA: George Gao 2013.09.12	PROJ: --

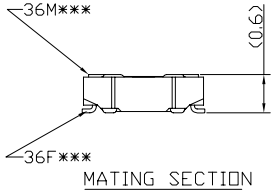
Q'TY	SIZE	SHEET	SCALE	REV
--	A4	1/1	1:1	A

REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human Zhou	2013.09.18







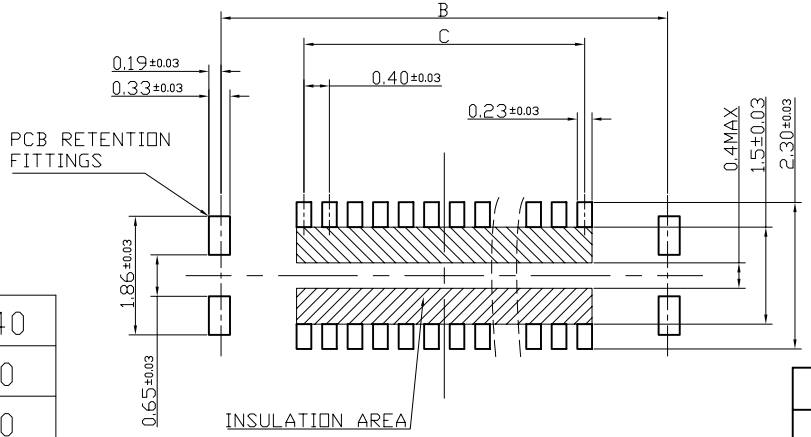


Specifications:

1) Material:
   - 1-1.Molded portion: LCP resin (UL94 V-0)
   - 1-2.Contact and Post: Copper alloy.

2) Surface treatment:
   - 2-1.Terminal portion: Base: Ni plating Surface: Au plating (except the terminal tips) ; Exposed nickel portions.
   - 2-2.Metal clips: Base: Ni plating Surface: Au flash plating (except the terminal tips) Or Base: Ni plating Surface: Sn flash plating (except the terminal tips)

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   - 3-1. Rated voltage: 60V AC/DC
   - 3-2. Rated current: 0.3A/contact (Max. 5A at total contact)
   - 3-3. Insulation resistance: Min. 1000MΩ (initial)
   - 3-4. Breakdown voltage: 150V AC for 1 min.
   - 3-5.Saltwater spray resistance (header and socket mated): 24 hours, insulation resistance min.100MΩ, contact resistance max. 90mΩ
   - 3-6. Contact resistance: Max. 90mΩ
   - 3-7. Ambient temperature: -55℃-+85℃
   - 3-8. Storage temperature: -55℃-+85℃ (product only); -40℃-+50℃ (emboss packing)
   - 3-9. Composite insertion force: Max. 0.981N/contacts X contacts (initial)
   - 3-10. Composite removal force: Min. 0.165N/contacts X contacts
   - 3-11. Post holding force: Min. 0.49N/contacts
   - 3-12. Insertion and removal life: 50 times



RECOMMENDED PCB LAYOUT

5036-F***-04

- SOCKET
- NUMBER OF CONTACTS
- PITCH-0.4MM

TABLE:

54	13.40	13.00	10.40
40	10.60	10.20	7.60
30	8.60	8.20	5.60
24	7.40	7.00	4.40
10	4.60	4.20	1.60
NUMBER OF CONTACTS	A	B	C

DIMENTION IN mm

TOLERANCE UNLESS OTHERWISE SPECIFIED

. ±0.20	. ±2°
.0 ±0.10	.0 ±1°
.00 ±0.05	.00±0.5°
.000±0.03	.000±0.3°

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APPD:	TITLE: 0.4MM BTB (MATING HEIGHT 0.6H)
CHKD:	DWG NO: 5036-F***-04
DRA: George Gao 2013.09.18	PROJ / Q'TY / SIZE / SHEET / SCALE / REV: -- / A4 / 1/1 / 1:1 / A

REV	ECN NO	DRA	APPD	DATE
A	FIRST RELEASE	George Gao	Human zhou	2013.09.12

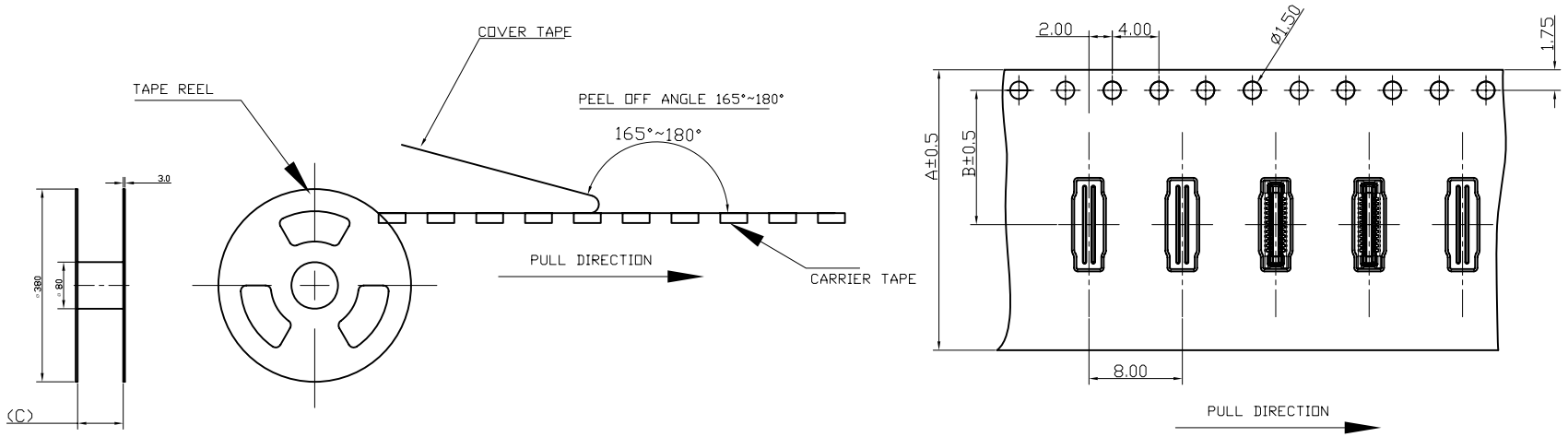


TABLE:

54	24.00	11.50	25.4	10000
40				
30	16.00	7.50	17.4	
24				
10				
NUMBER OF CONTACTS	A	B	C	QTY/REEL

DIMENTION IN mm	
TOLERANCE UNLESS OTHERWISE SPECIFIED	
. ±0.20	. ±2°
.0 ±0.10	.0 ±1°
.00 ±0.05	.00±0.5°
.000±0.03	.000±0.3°

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Shenzhen WenZhangJiMei technology co., LTD

APPD:	TITLE: 0.4MM BTB (MATING HEIGHT 0.6H)					
CHKD:	DWG NO: 5036-F***-04					
DRA: George Gao 2013.09.18	PROJ	Q'TY	SIZE	SHEET	SCALE	REV
		--	A4	1/1	1:1	A