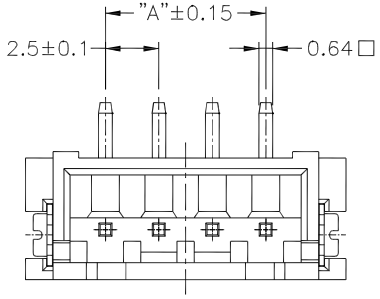
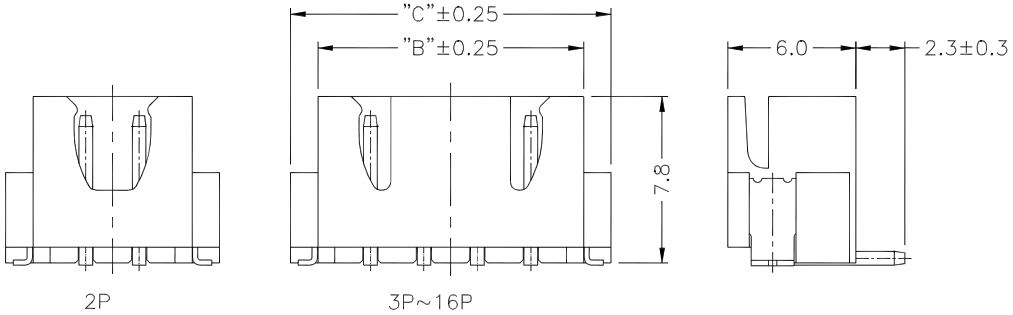
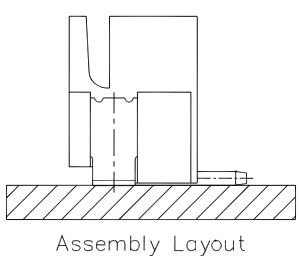
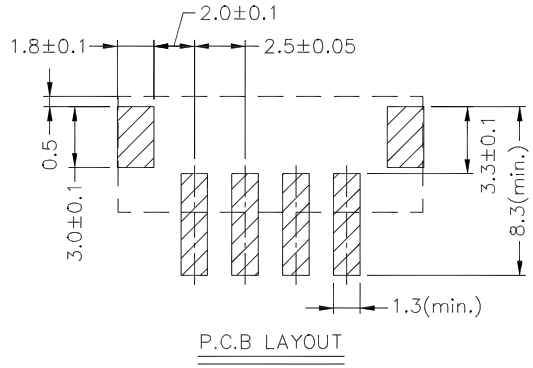








P.C.B LAYOUT

Circuits	Dimensions (mm)		
	A	B	C
2	2.50	7.45	10.00
3	5.00	9.95	12.50
4	7.50	12.45	15.00
5	10.00	14.95	17.50
6	12.50	17.45	20.00
7	15.00	19.95	22.50
8	17.50	22.45	25.00
9	20.00	24.95	27.50
10	22.50	27.45	30.00
11	25.00	29.95	32.50
12	27.50	32.45	35.00
13	30.00	34.95	37.50
14	32.50	37.45	40.00
15	35.00	39.95	42.50
16	37.50	42.45	45.00

Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Package: tape & reel

Material:

Housing: nylon 9T, UL94V-0, beige
PIN: brass
Solder tab: brass

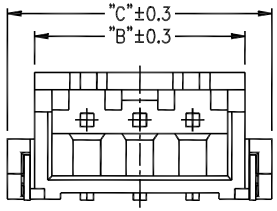
Mates with: 2501WF (wire connector, female, single row)

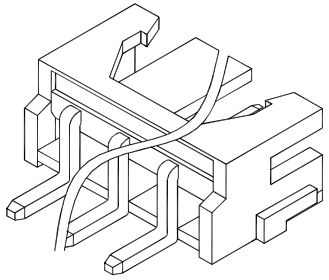
Part Number Information:

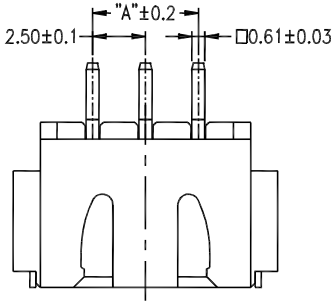
2501 BVS - XX 09 BG T

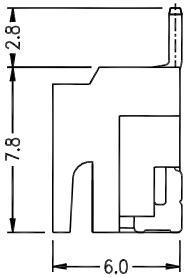
Series Number
BVS: Board connector, vertical, SMT type
No. of circuits, 02 to 16
Material: 09 -- nylon 9T, UL94V-0
Color: BG--beige
Plating: T-- tin plating

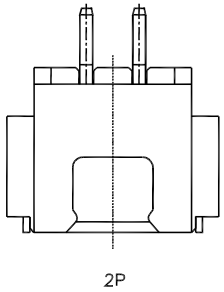
							General Tolerance	Zeakka Electronics				Document No.: ZK-2501BVS		
							.X ±0.3					Title: HEADER, VERTICAL, SMT TYPE, SINGLE ROW, 2.5MM PITCH, TIN		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A

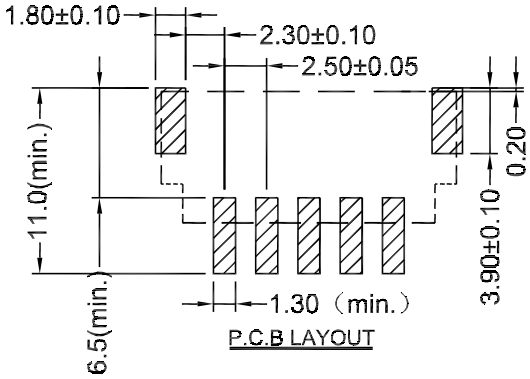


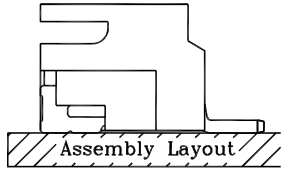












Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Package: tape & reel

Circuits	Dimensions (mm)		
	A	B	C
2	2.50	7.45	10.00
3	5.00	9.95	12.50
4	7.50	12.45	15.00
5	10.00	14.95	17.50
6	12.50	17.45	20.00
7	15.00	19.95	22.50
8	17.50	22.45	25.00
9	20.00	24.95	27.50
10	22.50	27.45	30.00
11	25.00	29.95	32.50
12	27.50	32.45	35.00
13	30.00	34.95	37.50
14	32.50	37.45	40.00
15	35.00	39.95	42.50
16	37.50	42.45	45.00

Material:

Housing: nylon 9T, UL94V-0, beige
PIN: brass
Solder tab: brass

Mates with:

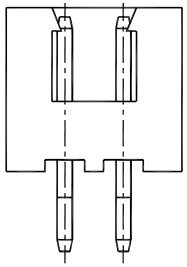
2501WF (wire connector, female, single row)

Part Number Information:

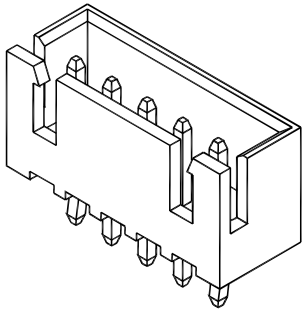
2501 BRS - XX 09 BG T

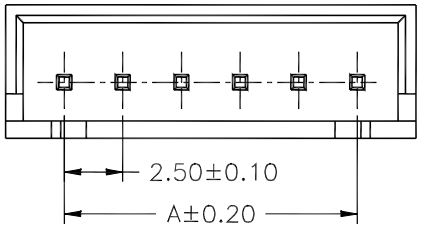
Series Number
BRS: Board connector, R/A, SMT type
No. of circuits, 02 to 16
Material: 09 -- nylon 9T, UL94V-0
Color: BG--beige
Plating: T-- tin plating

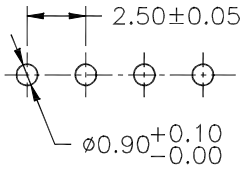
							General Tolerance	Zeakka Electronics				Document No.: ZK-2501BRS		
							.X ±0.3					Title: HEADER, R/A, SMT TYPE, SINGLE ROW, 2.5MM PITCH, TIN		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A



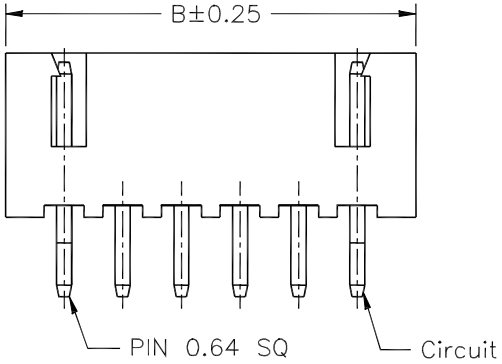
02P

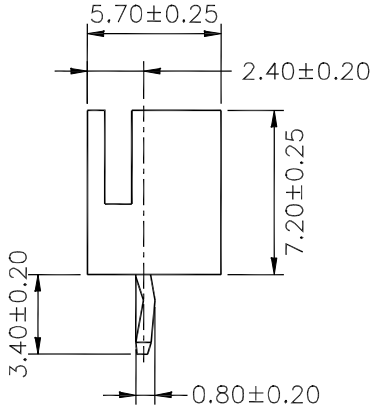






P.C.B LAYOUT





Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 10mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute

Circuits	Dimensions (mm)	
	A	B
2	2.50	7.50
3	5.00	10.00
4	7.50	12.50
5	10.00	15.00
6	12.50	17.50
7	15.00	20.00
8	17.50	22.50
9	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Material:

Housing: nylon 66, UL94V-0, white
PIN: brass

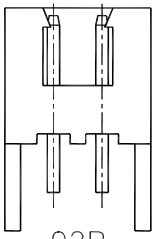
Mates with: 2501WF (wire connector, female, single row)

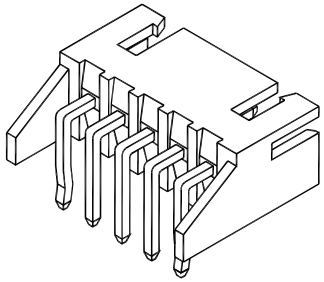
Part Number Information:

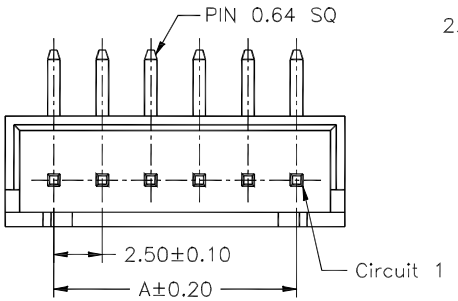
2501 BVT - XX 00 WH T

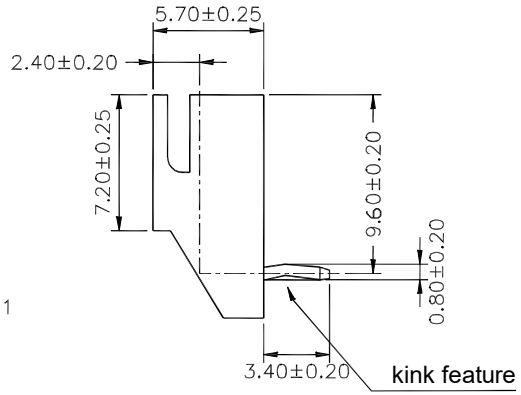
Series Number
BVT: Board connector, vertical, THT type
No. of circuits, 02 to 20
Material: 00 -- nylon 60, UL94V-0
Color: WH -- white
Plating: T-- tin plating

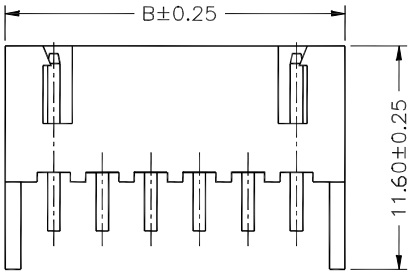
							General Tolerance	Zeakka Electronics				Document No.: ZK-2501BVT		
							.X ±0.3					Title: HEADER, VERTICAL, THT TYPE, SINGLE ROW, 2.5MM PITCH, TIN		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A

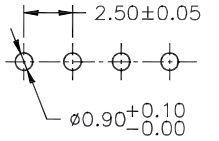












P.C.B LAYOUT

Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 10mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute

Material:

Housing: nylon 66, UL94V-0, white
PIN: brass

Circuits	Dimensions (mm)	
	A	B
2	2.50	7.50
3	5.00	10.00
4	7.50	12.50
5	10.00	15.00
6	12.50	17.50
7	15.00	20.00
8	17.50	22.50
9	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Mates with: 2501WF (wire connector, female, single row)

Part Number Information:

2501 BRT - XX 00 WH T

Series Number
BRT: Board connector, R/A, THT type
No. of circuits, 02 to 20
Material: 06 -- nylon 66, UL94V-0
Color: WH -- white
Plating: T-- tin plating

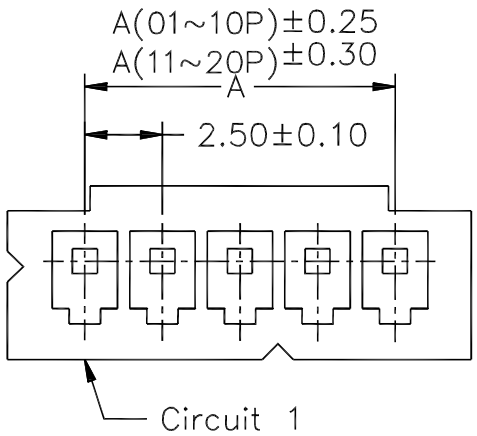
Date	Version	EC No.	Description	DRWN	CH'K	APPR

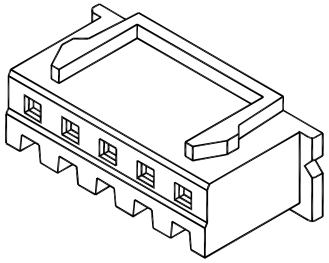
General Tolerance
.X ±0.3
.XX ±0.2
.XXX ±0.1
THIRD ANGLE PROJECTION

Zeakka Electronics

APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
			2020.8.8	mm	1:1	A

Document No.: ZK-2501BRT
Title: HEADER, R/A, THT TYPE, SINGLE ROW, 2.5MM PITCH, TIN





Circuits	Dimensions (mm)	
	A	B
2	2.50	5.70
3	5.00	8.20
4	7.50	10.70
5	10.00	13.20
6	12.50	15.70
7	15.00	18.20
8	17.50	20.70
9	20.00	23.20
10	22.50	25.70
11	25.00	28.20
12	27.50	30.70
13	30.00	33.20
14	32.50	35.70
15	35.00	38.20
16	37.50	40.70
17	40.00	43.20
18	42.50	45.70
19	45.00	48.20
20	47.50	50.70

Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute

Material:

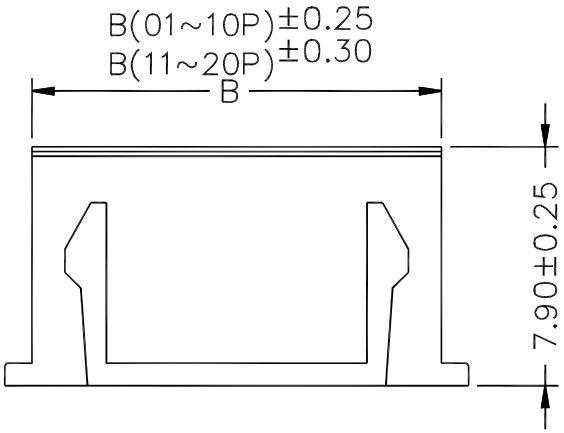
Housing: nylon 66, UL94V-0, white

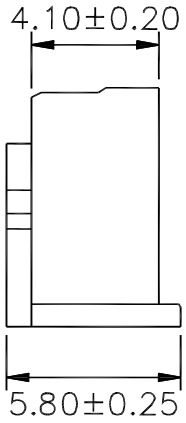
Mates with:

2501BVT (header, vertical, THT type)
2501BRT (header, R/A, THT type)
2501BVS (header, vertical, SMT type)
2501BRS (header, R/A, SMT type)
2501WM (wire connector, male)

Used with:

2501TF-PT (female terminal)



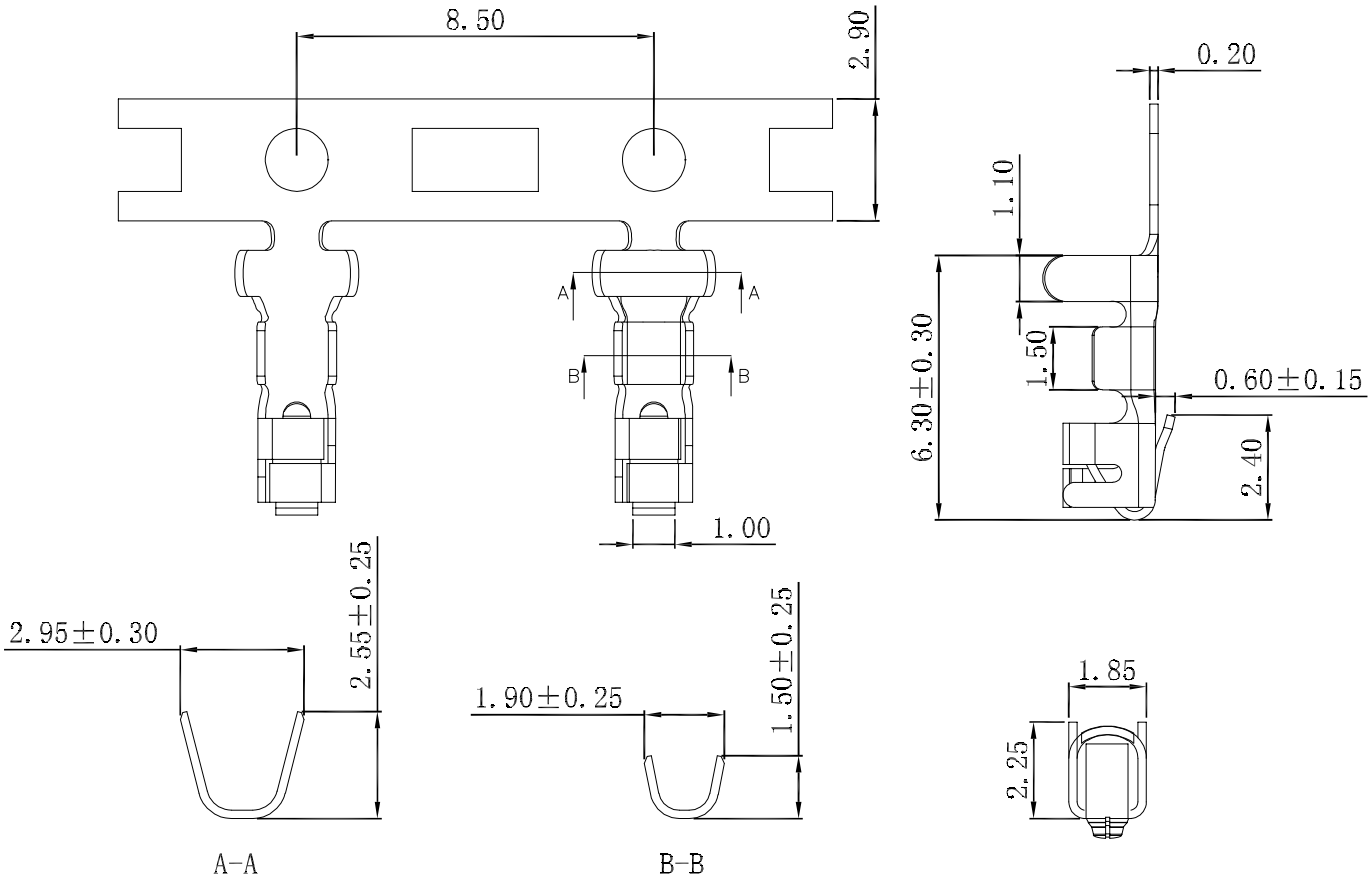


Part Number Information:

2501 WF - XX 00 WH

Series Number
WF: wire connector, female
No. of circuits, 02 to 20
Material: 00-- nylon 66, UL94V-0
Color: WH -- white

							General Tolerance	Zeakka Electronics				Document No.: ZK-2501WF		
							.X ±0.3					Title: HOUSING, FEMALE, CRIMP TYPE, SINGLE ROW, 2.5MM PITCH		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A



Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 30mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Applicable wire: AWG28 - AWG22
Insulation OD: max 1.63mm

Material:

Phosphor bronze

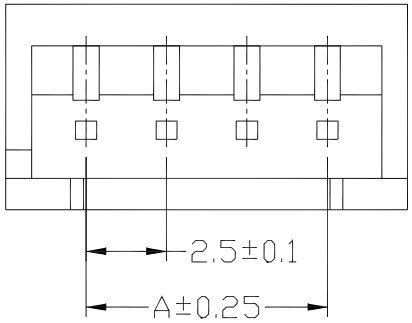
Used with: 2501WF (wire connector, female)

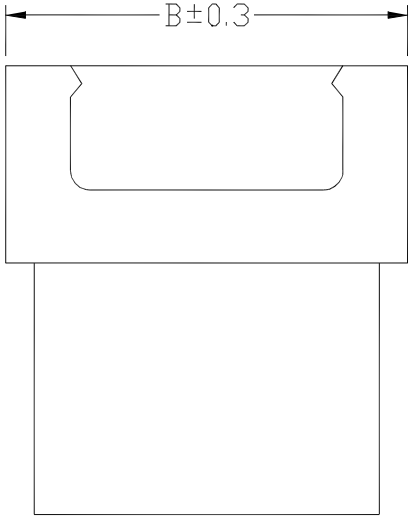
Part Number Information:

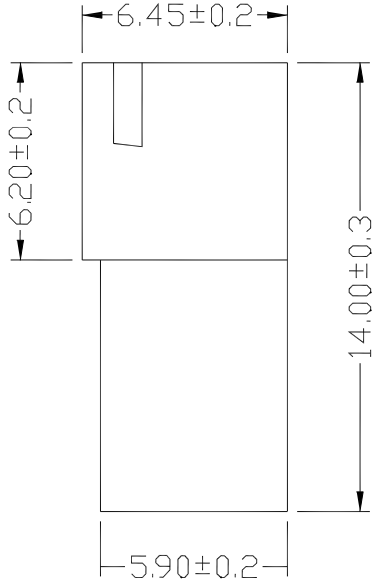
2501 TF - P T

Series Number
TF: terminal, female
Material: P -- phosphor brozne
Plating: T -- tin plating

							General Tolerance	Zeakka Electronics				Document No.: ZK-2501TF		
							.X ±0.3					Title: TERMINAL, FEMALE, CRIMP TYPE, PHOSPHOR BRONZE, TIN, REEL		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A







Circuits	Dimensions (mm)	
	A	B
2	2.50	7.50
3	5.00	10.00
4	7.50	12.50
5	10.00	15.00
6	12.50	17.50
7	15.00	20.00
8	17.50	22.50
9	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute

Material:

Housing: nylon 66, UL94V-0, white

Mates with:

2501WF (wire connector, female)

Used with:

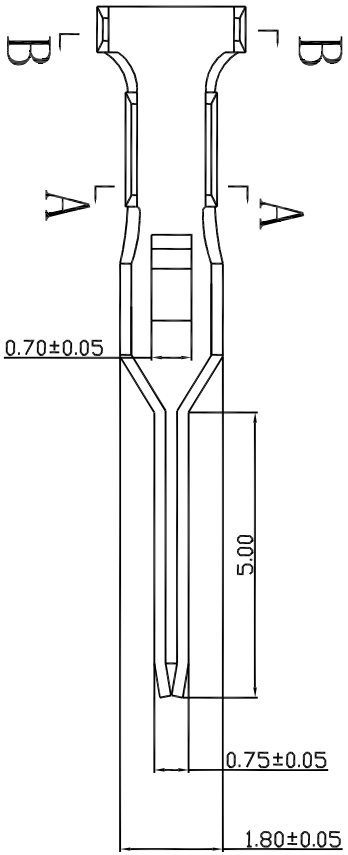
2501TM-PT (male terminal)

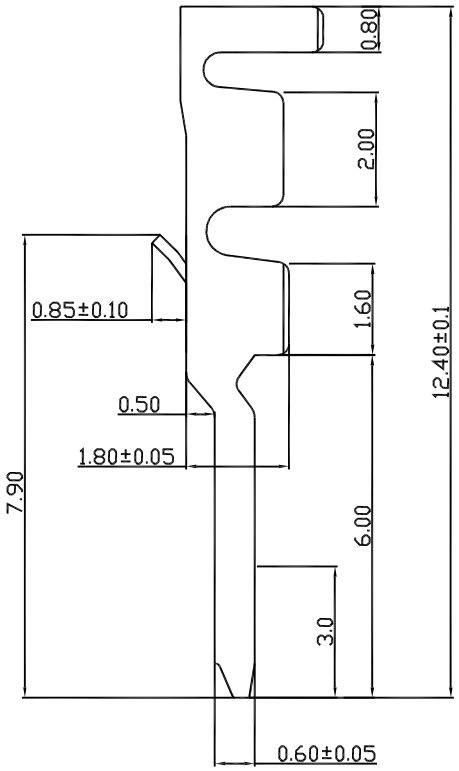
Part Number Information:

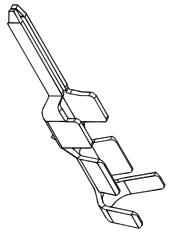
2501 WM - XX 00 WH

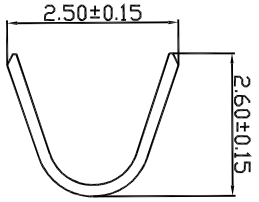
Series Number
WM: wire connector, male
No. of circuits, 02 to 20
Material: 00-- nylon 66, UL94V-0
Color: WH -- white

							General Tolerance	Zeakka Electronics				Document No.: ZK-2501WM		
							.X ±0.3					Title: HOUSING, MALE, CRIMP TYPE, SINGLE ROW, 2.5MM PITCH		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A

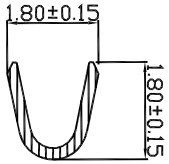








B–B



A – A

Specifications:

Current Rating: 3.0A AC/DC
Voltage rating: 250V AC/DC
Temperature range: -25°C to +85°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Applicable wire: AWG26 - AWG22
Insulation OD: max 1.90mm

Material:

Phosphor bronze

Used with: 2501WM (male housing)

Part Number Information:

2501 TM - P T

Series Number
TM: terminal, male
Material: P -- phosphor brozne
Plating: T -- tin plating

							General Tolerance	Zeakka Electronics				Document No.: ZK-2501TM		
							.X ±0.3					Title: TERMINAL, MALE, CRIMP TYPE, PHOSPHOR BRONZE, TIN, REEL		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A