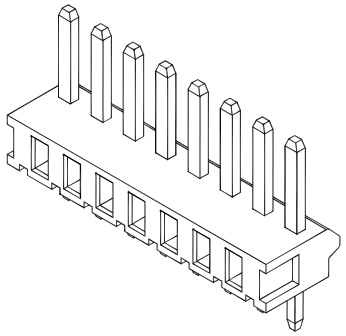
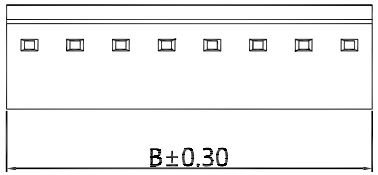
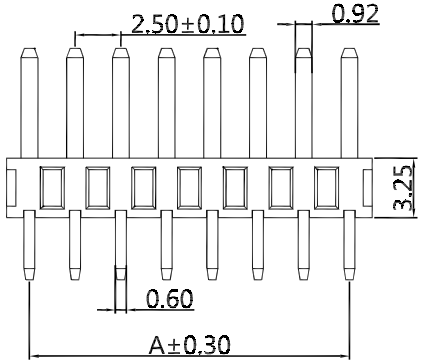
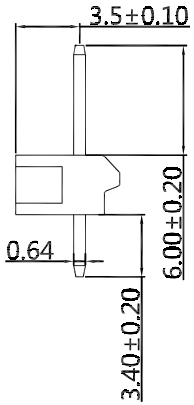
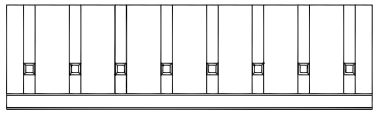
Circuits	Dimensions (mm)	
	A	B
2	2.50	5.00
3	5.00	7.50
4	7.50	10.00
5	10.00	12.50
6	12.50	15.00
7	15.00	17.50
8	17.50	20.00
9	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50
16	37.50	40.00

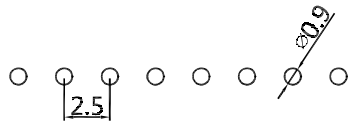












PCB Layout

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: 500MΩ min.
Withstand voltage: 1500V AC/minute

Material:

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

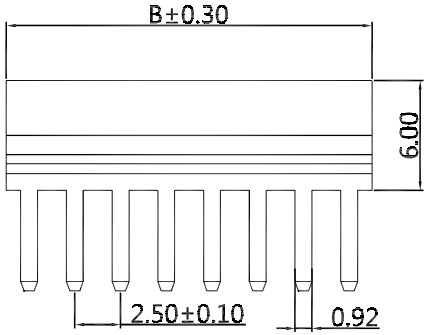
Mates with: 2504W (wire connector)

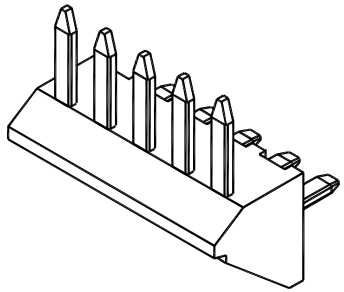
Part Number Information:

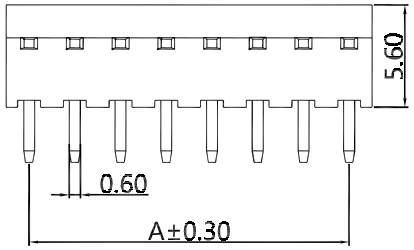
2504 BVT - XX 00 WH T

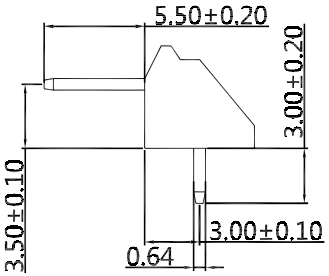
Series Number
BVT: Board connector, vertical, THT type
No. of circuits, 02 to 16
Material: 00 -- nylon 66, UL94V-0
Color: WH--white
Plating: T-- tin plating

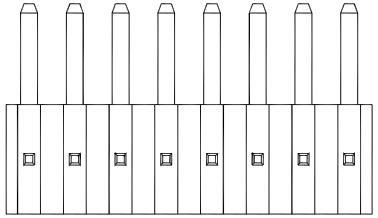
							General Tolerance	Zeakka Electronics				Document No.: ZK-2504BVT	
							.X ±0.3					Title: HEADER, VERTICAL, THT TYPE, SINGLE ROW, 2.5MM PITCH, TIN	
							.XX ±0.2						
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A

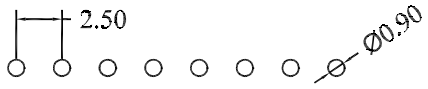












PCB Layout

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: 500MΩ min.
Withstand voltage: 1500V AC/minute

Material:

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

Mates with: 2504W (wire connector)

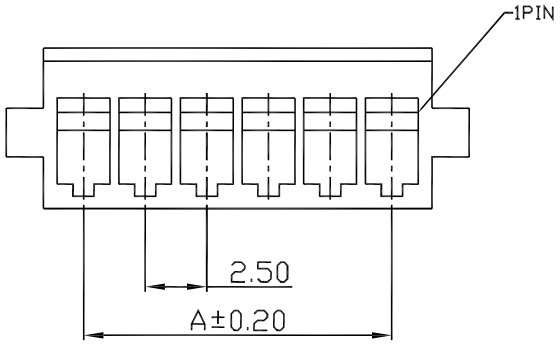
Circuits	Dimensions (mm)	
	A	B
2	2.50	5.00
3	5.00	7.50
4	7.50	10.00
5	10.00	12.50
6	12.50	15.00
7	15.00	17.50
8	17.50	20.00
9	20.00	22.50
10	22.50	25.00
11	25.00	27.50
12	27.50	30.00
13	30.00	32.50
14	32.50	35.00
15	35.00	37.50
16	37.50	40.00

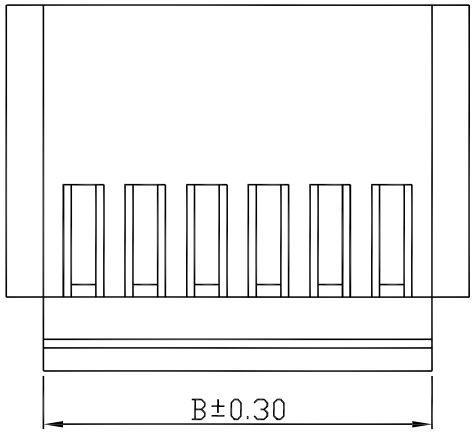
Part Number Information:

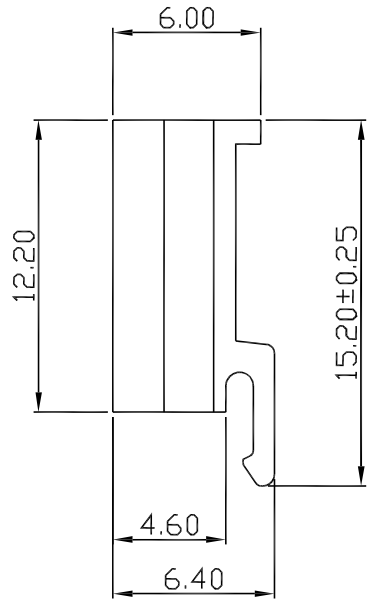
2504 BRT - XX 00 WH T

- 2504: Series Number
- BRT: Board connector, R/A, THT type
- XX: No. of circuits, 02 to 16
- 00: Material: 00 -- nylon 66, UL94V-0
- WH: Color: WH -- white
- T: Plating: T-- tin plating

							General Tolerance	Zeakka Electronics				Document No.: ZK-2504BRT		
							.X ±0.3					Title: HEADER, R/A, 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







Circuits	Dimensions (mm)	
	A	B
2	2.50	5.90
3	5.00	8.40
4	7.50	10.90
5	10.00	13.40
6	12.50	15.90
7	15.00	18.40
8	17.50	20.90
9	20.00	23.40
10	22.50	25.90
11	25.00	28.40
12	27.50	30.90
13	30.00	33.40
14	32.50	35.90
15	35.00	38.40
16	37.50	40.90
17	40.00	43.40
18	42.50	45.90
19	45.00	48.40
20	47.50	50.90
21	50.00	53.40
22	52.50	55.90
23	55.00	58.40
24	57.50	60.90
25	60.00	63.40

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: 500MΩ min.
Withstand voltage: 1500V AC/minute

Material:

Housing: nylon 66, UL94V-0, white

Mates with:

2504BVT (header, vertical, THT type)
2504BRT (header, R/A, THT type)

Used with:

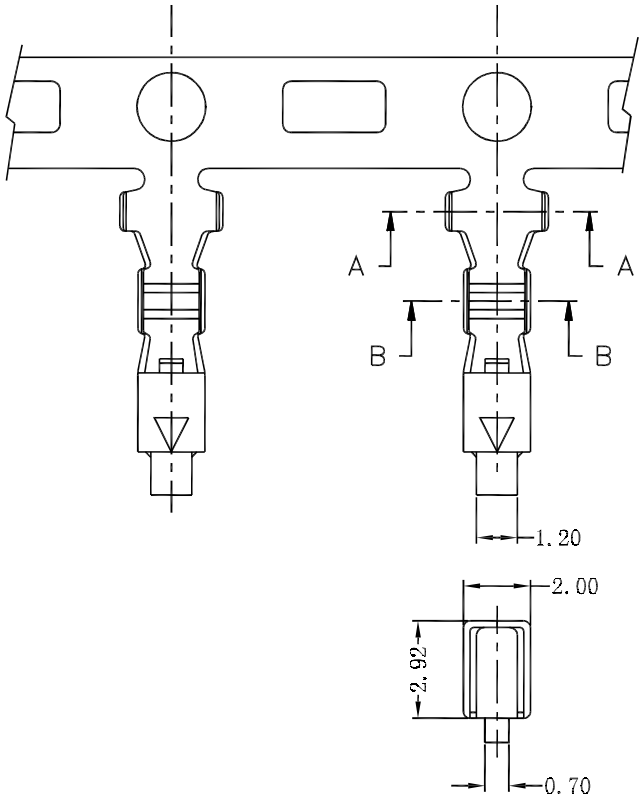
2504TF-PT (female terminal)

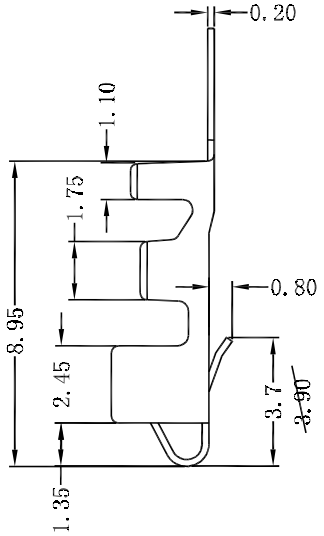
Part Number Information:

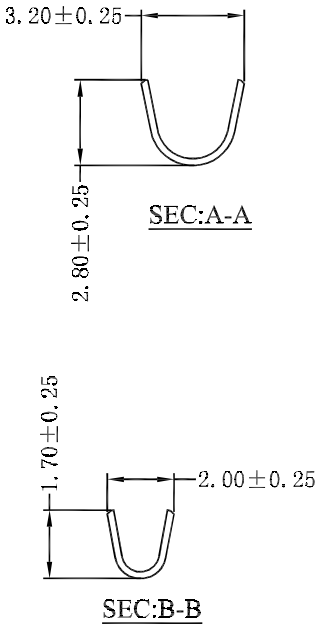
2504 W - XX 00 WH

Series Number
W: wire connector
No. of circuits, 02 to 25
Material: 00-- nylon 66, UL94V-0
Color: WH -- white

							General Tolerance	Zeakka Electronics				Document No.: ZK-2504W		
							.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: 20mΩ max.
Insulation resistance: 500MΩ min.
Withstand voltage: 1500V AC/minute
Applicable wire: AWG28 - AWG22
Insulation OD: max 1.80mm

Material:

Phosphor bronze

Used with: 2504W (wire connector)

Part Number Information:

2504 TF - P T

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

							General Tolerance	Zeakka Electronics				Document No.: ZK-2504TF		
							.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