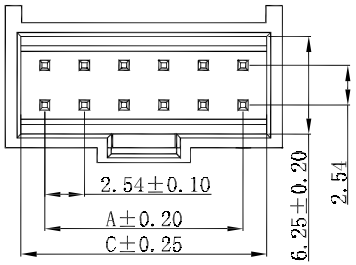
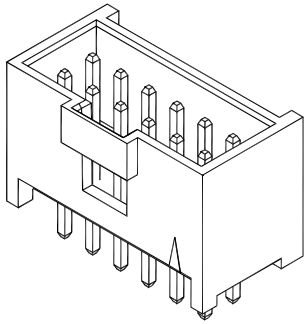
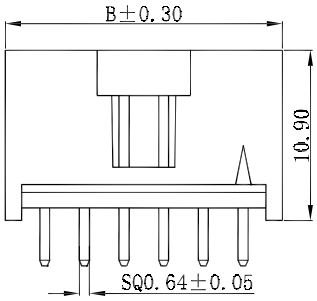
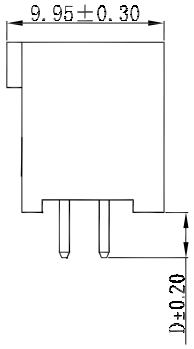
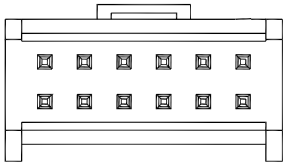
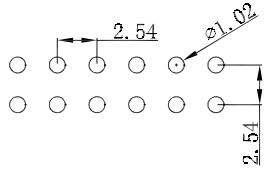












Recommand PCB Layout

D
2.50mm
2.90mm

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: 1500V AC/minute

Material:

Housing: PBT, UL94V-0, black
PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
6	5.08	10.12	8.02
8	7.62	12.66	10.56
10	10.16	15.20	13.10
12	12.70	17.74	15.64
14	15.24	20.28	18.18
16	17.78	22.82	20.72
18	20.32	25.36	23.26
20	22.86	27.90	25.80
22	25.40	30.44	28.34
24	27.94	32.98	30.88
26	30.48	35.52	33.42
28	33.02	38.06	35.96
30	35.56	40.60	38.50
32	38.10	43.14	41.04
34	40.64	45.68	43.58
36	43.18	48.22	46.12
38	45.72	50.76	48.66
40	48.26	53.30	51.20
42	50.80	55.84	53.74
44	53.34	58.38	56.28
46	55.88	60.92	58.82
48	58.42	63.46	61.36
50	60.96	66.00	63.90
52	63.50	68.54	66.44
54	66.04	71.08	68.98
56	68.58	73.62	71.52
58	71.12	76.16	74.06
60	73.66	78.70	76.60
62	76.20	81.24	79.14
64	78.74	83.78	81.68

Mates with:

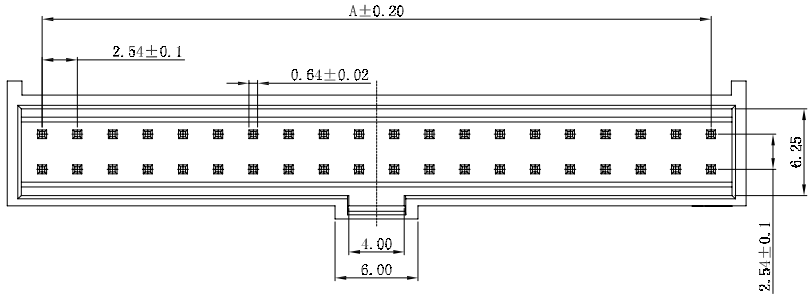
2545W (wire connector)
2545WB (wire connector, B type -- without lock)

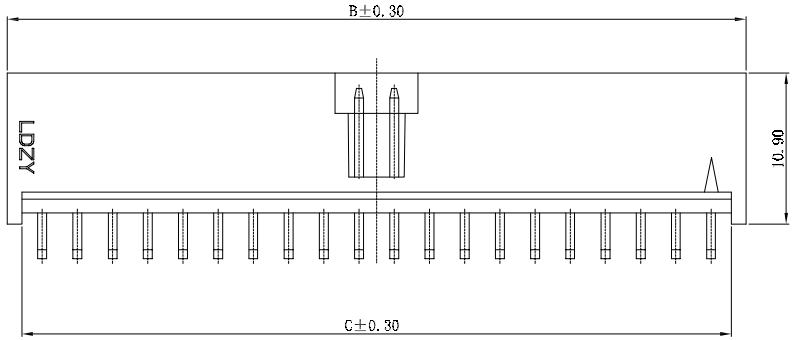
Part Number Information:

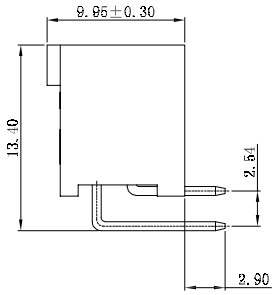
2545 BVT - XX 05 BK T X

Series Number
BVT: Board connector, vertical, THT type
No. of circuits, 06 to 64
Material: 05 -- PBT: UL94V-0
Color: BK--black
Plating: T-- tin plating
size of D : blank -- D=2.90mm, A -- D=2.50mm

							General Tolerance	Zeakka Electronics				Document No.: ZK-2545BVT		
							.X ±0.3					Title: HEADER, VERTICAL, THT TYPE, DUAL ROW, 2.54MM 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	C
6	5.08	10.12	8.02
8	7.62	12.66	10.56
10	10.16	15.20	13.10
12	12.70	17.74	15.64
14	15.24	20.28	18.18
16	17.78	22.82	20.72
18	20.32	25.36	23.26
20	22.86	27.90	25.80
22	25.40	30.44	28.34
24	27.94	32.98	30.88
26	30.48	35.52	33.42
28	33.02	38.06	35.96
30	35.56	40.60	38.50
32	38.10	43.14	41.04
34	40.64	45.68	43.58
36	43.18	48.22	46.12
38	45.72	50.76	48.66
40	48.26	53.30	51.20
42	50.80	55.84	53.74
44	53.34	58.38	56.28
46	55.88	60.92	58.82
48	58.42	63.46	61.36
50	60.96	66.00	63.90
52	63.50	68.54	66.44
54	66.04	71.08	68.98
56	68.58	73.62	71.52
58	71.12	76.16	74.06
60	73.66	78.70	76.60
62	76.20	81.24	79.14
64	78.74	83.78	81.68

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: 1500V AC/minute

Material:

Housing: PBT, UL94V-0, black
PIN: brass

Mates with:

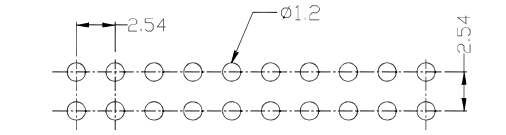
2545W (wire connector)
2545WB (wire connector, B type -- without lock)

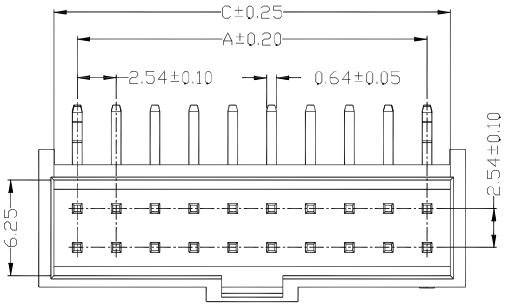
Part Number Information:

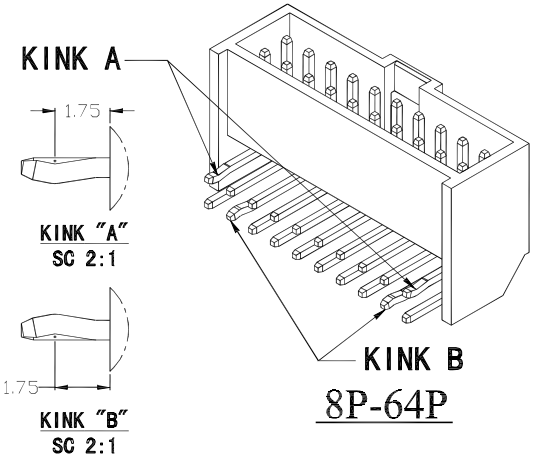
2545 BRT - XX 05 BK T

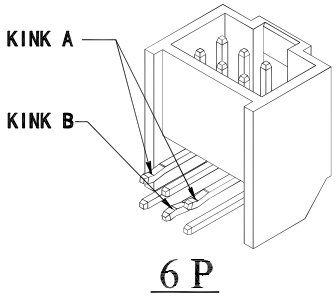
Series Number
BRT: Board connector, R/A, THT type
No. of circuits: 06 to 64
Material: 05 -- PBT, UL94V-0
Color: BK--black
Plating: T-- tin plating

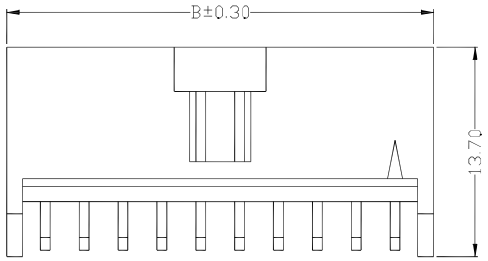
							General Tolerance	Zeakka Electronics				Document No.: ZK-2545BRT		
							.X ±0.3					Title: HEADER, R/A, THT TYPE, DUAL ROW, 2.54MM PITCH, TIN		
							.XX ±0.2							
							.XXX ±0.1	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION				2020.8.8	mm	1:1	A

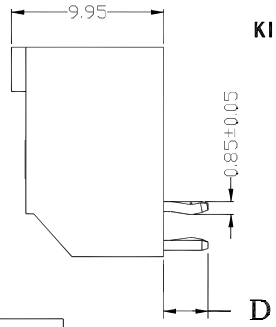












D
2.50mm
2.90mm

Circuits	Dimensions (mm)		
	A	B	C
6	5.08	10.12	8.02
8	7.62	12.66	10.56
10	10.16	15.20	13.10
12	12.70	17.74	15.64
14	15.24	20.28	18.18
16	17.78	22.82	20.72
18	20.32	25.36	23.26
20	22.86	27.90	25.80
22	25.40	30.44	28.34
24	27.94	32.98	30.88
26	30.48	35.52	33.42
28	33.02	38.06	35.96
30	35.56	40.60	38.50
32	38.10	43.14	41.04
34	40.64	45.68	43.58
36	43.18	48.22	46.12
38	45.72	50.76	48.66
40	48.26	53.30	51.20
42	50.80	55.84	53.74
44	53.34	58.38	56.28
46	55.88	60.92	58.82
48	58.42	63.46	61.36
50	60.96	66.00	63.90
52	63.50	68.54	66.44
54	66.04	71.08	68.98
56	68.58	73.62	71.52
58	71.12	76.16	74.06
60	73.66	78.70	76.60
62	76.20	81.24	79.14
64	78.74	83.78	81.68

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: 1500V AC/minute

Material:

Housing: PBT, UL94V-0, black
PIN: brass

Mates with:

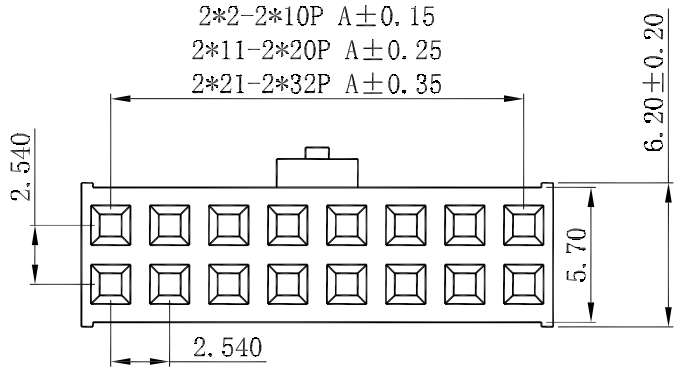
2545W (wire connector)
2545WB (wire connector, B type -- without lock)

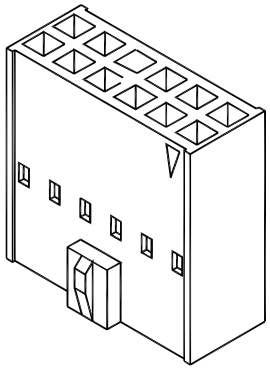
Part Number Information:

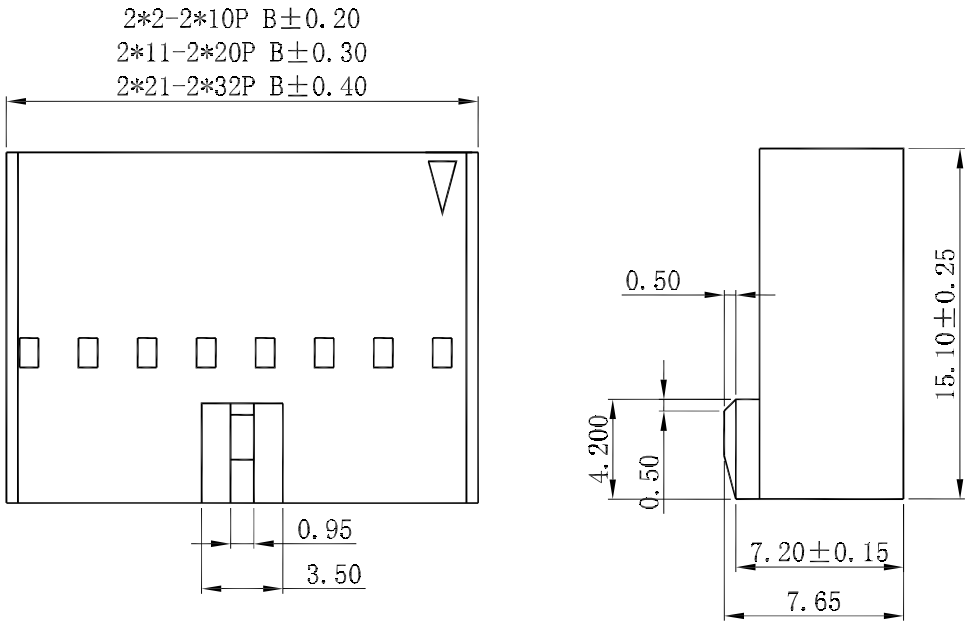
2545 BRTB - XX 05 BK T X

- Series Number
- BRTB: Board conn, R/A, THT, extended wall
- No. of circuits: 06 to 64
- Material: 05 -- PBT, UL94V-0
- Color: BK--black
- Plating: T-- tin plating
- size of D : blank ~ D=2.90mm, A ~ D=2.50mm

							General Tolerance	Zeakka Electronics				Document No.: ZK-2545BRTB		
							.X ±0.3					Title: HEADER, R/A, THT TYPE, DUAL ROW, 2.54MM 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: 1500V AC/minute

Material:

Housing: PBT, UL94V-0, black

Circuits	Dimensions (mm)	
	A	B
6	5.08	7.82
8	7.62	10.36
10	10.16	12.90
12	12.70	15.44
14	15.24	17.98
16	17.78	20.52
18	20.32	23.06
20	22.86	25.60
22	25.40	28.14
24	27.94	30.68
26	30.48	33.22
28	33.02	35.76
30	35.56	38.30
32	38.10	40.84
34	40.64	43.38
36	43.18	45.92
38	45.72	48.46
40	48.26	51.00
42	50.80	53.54
44	53.34	56.08
46	55.88	58.62
48	58.42	61.16
50	60.96	63.70
52	63.50	66.24
54	66.04	68.78
56	68.58	71.32
58	71.12	73.86
60	73.66	76.40
62	76.20	78.94
64	78.74	81.48

Mates with:

2545BVT (board connector, vertical, THT type)
2545BRT (board connector, R/A, THT type)
2545BRTB (board connector, R/A, THT type, extended wall)

Used with:

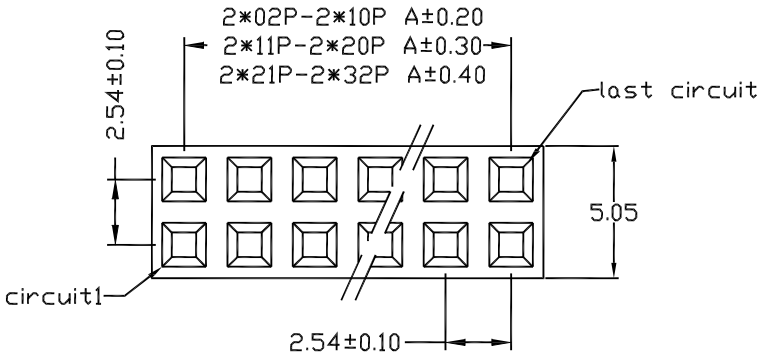
2545TF-PX (terminal)

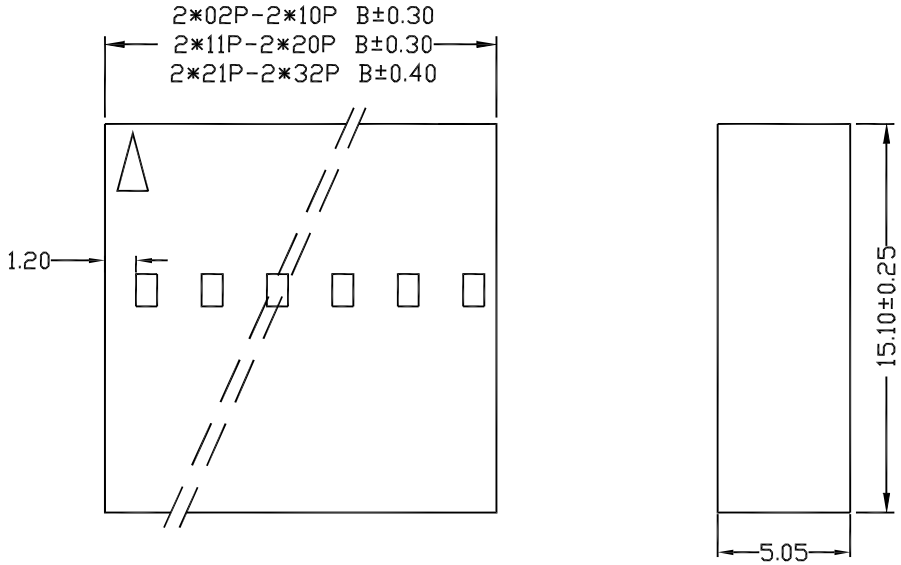
Part Number Information:

2545 W - XX 00 BK

Series Number
W: wire connector
No. of circuits: 06 to 64
Material: 05-- PBT, UL94V-0
Color: BK -- black

							General Tolerance	Zeakka Electronics				Document No.: ZK-2545W		
							.X ±0.3					Title: HOUSING, FEMALE, CRIMP TYPE, DUAL ROW, 2.54MM 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: 1000MΩ min.
Withstand voltage: 1500V AC/minute

Material:

Housing: PBT, UL94V-0, black

Circuits	Dimensions (mm)	
	A	B
4	2.54	5.08
6	5.08	7.62
8	7.62	10.16
10	10.16	12.70
12	12.70	15.24
14	15.24	17.78
16	17.78	20.32
18	20.32	22.86
20	22.86	25.40
22	25.40	27.94
24	27.94	30.48
26	30.48	33.02
28	33.02	35.56
30	35.56	38.10
32	38.10	40.64
34	40.64	43.18
36	43.18	45.72
38	45.72	48.26
40	48.26	50.80
42	50.80	53.34
44	53.34	55.88
46	55.88	58.42
48	58.42	60.96
50	60.96	63.50
52	63.50	66.04
54	66.04	68.58
56	68.58	71.12
58	71.12	73.66
60	73.66	76.20
62	76.20	78.74
64	78.74	81.28

Mates with:

2545BVT (board connector, vertical, THT type)
2545BRT (board connector, R/A, THT type)
2545BRTB (board connector, R/A, THT type, extended wall)

Used with:

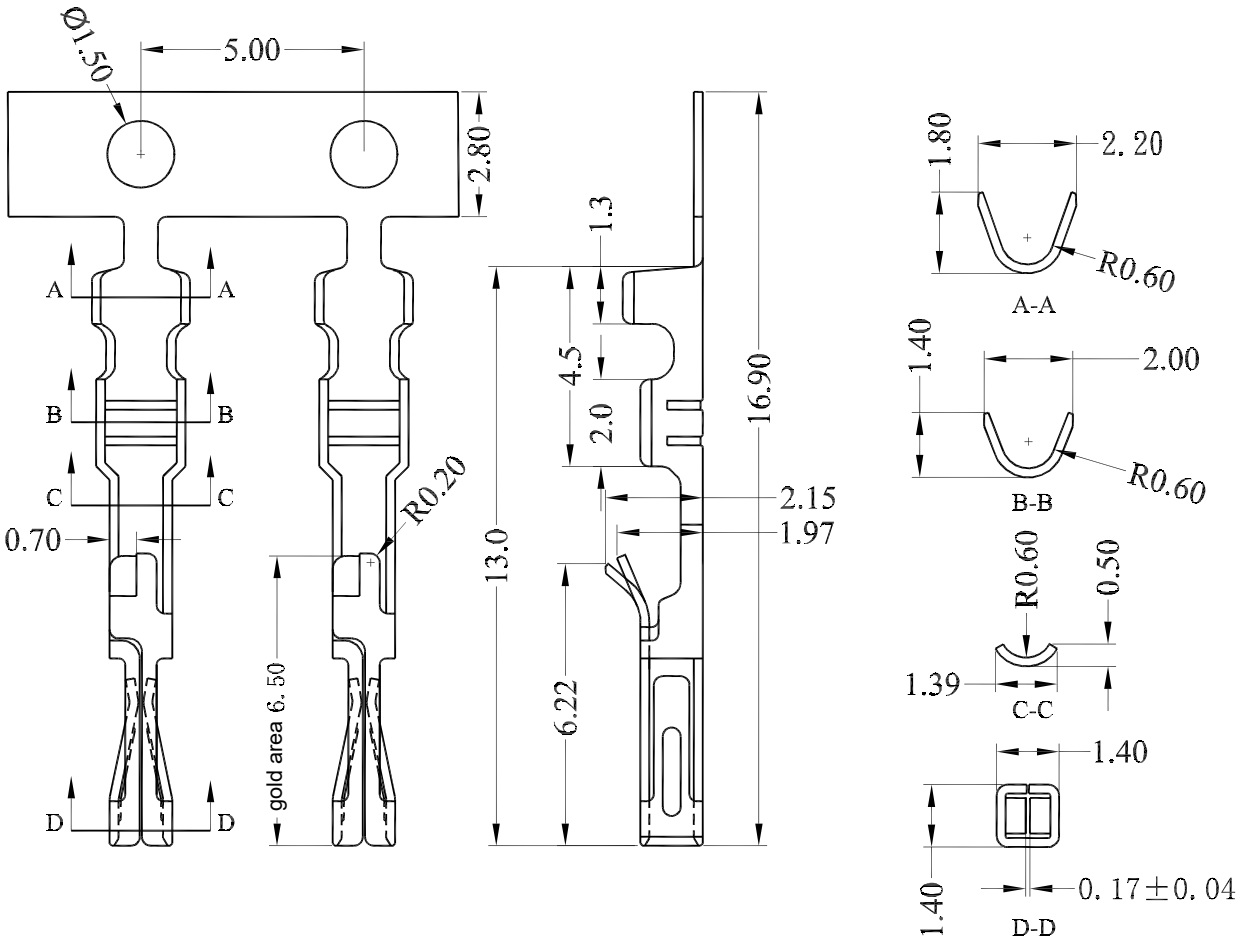
2545TF-PX (terminal)

Part Number Information:

2545 WB - XX 05 BK

Series Number
WB: wire connector, without lock
No. of circuits: 04 to 64
Material: 05-- PBT, UL94V-0
Color: BK -- black

							General Tolerance	Zeakka Electronics				Document No.: ZK-2545WB		
							.X ±0.3					Title: HOUSING, MALE, CRIMP TYPE, DUAL ROW, 2.54MM 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: 1000MΩ min.
Withstand voltage: 1500V AC/minute
Applicable wire: AWG28 - AWG22
Insulation OD: max 1.63mm

Material:

Phosphor bronze

Used with:

2545W (wire connector)

2545WB (wire connector, B type -- without lock)

Part Number Information:

2545 TF - P X

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

							General Tolerance	Zeakka Electronics				Document No.: ZK-2545TF		
							.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