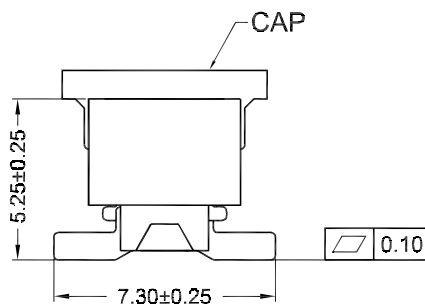


Recommended PCB Layout (Top Side)
(PCB Board Tolerance ±0.05)



Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: tape & reel

Material:

Housing: nylon 9T, UL94V-0, red
 PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
4	3.81	9.70	5.60
6	6.35	12.24	8.14
8	8.89	14.78	10.68
10	11.43	17.32	13.22
12	13.97	19.86	15.76
14	16.51	22.40	18.30
16	19.05	24.94	20.84
18	21.59	27.48	23.38
20	24.13	30.02	25.92

Mates with:

- M1270W (male on wire)
- M1270BVT (male on board, through-hole)
- M1270BVS (male on board, SMT)
- 1270W (crimp housing)

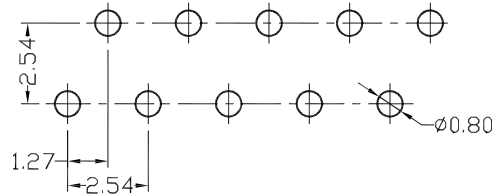
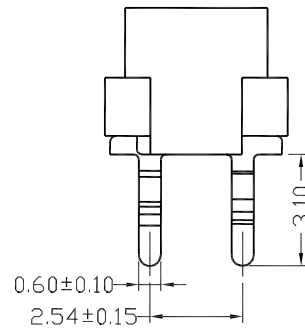
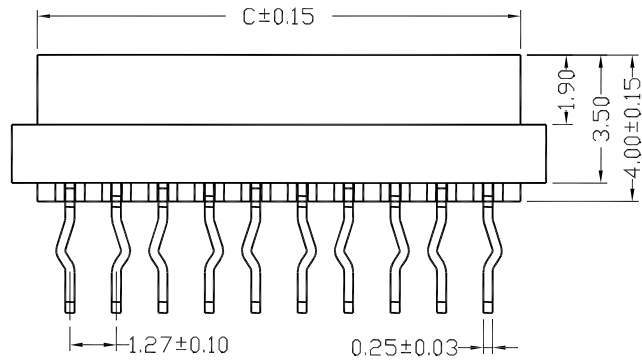
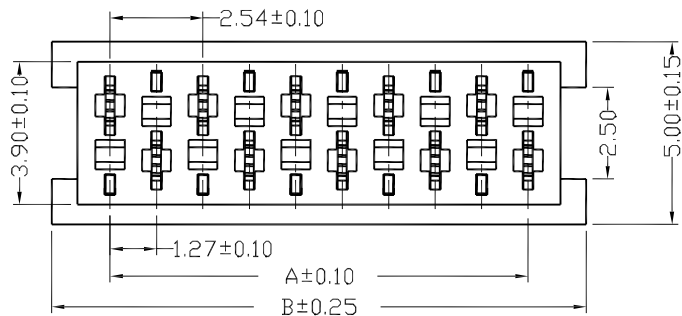
Part Number Information:

F1270 BVSL - XX 09 RE T

Series Number
 BVSL: Board connector, vertical, SMT, latch
 No. of circuits: 04 to 20
 Material: 09 -- nylon 9T, UL94V-0
 Color: RE -- red
 Plating: T-- tin plating

							General Tolerance	Zeakka Electronics				Document No.: ZK-F1270BVSL		
							.X ±0.3					Title: CONNECTOR, FEMALE ON BOARD TO ENTRY, SMD, WITH LATCH 1.27MM		
							.XX ±0.2					APPR	CH'K	DRWN
Date	Version	EC No.	Description	DRWN	CH'K	APPR	.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A

THIRD ANGLE PROJECTION



Recommended P.C.B LAYOUT (Top Side)
(PCB BOARD TOLERANCE ±0.05)

Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: plastic tube

Material:

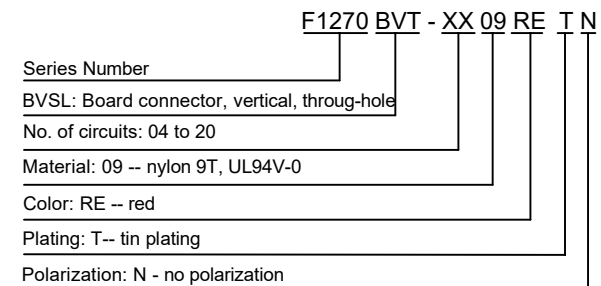
Housing: nylon 9T, UL94V-0, red
 PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
4	3.81	7.00	5.60
6	6.35	9.54	8.14
8	8.89	12.08	10.68
10	11.43	14.62	13.22
12	13.97	17.16	15.76
14	16.51	19.70	18.30
16	19.05	22.24	20.84
18	21.59	24.78	23.38
20	24.13	27.32	25.92

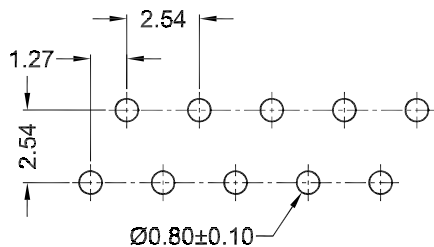
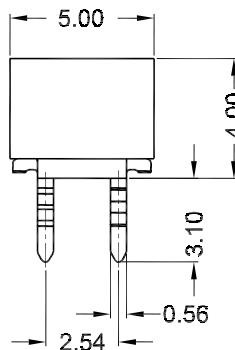
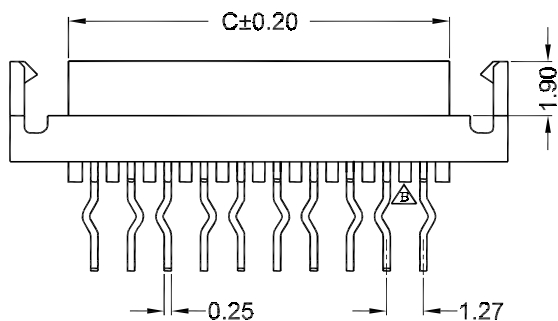
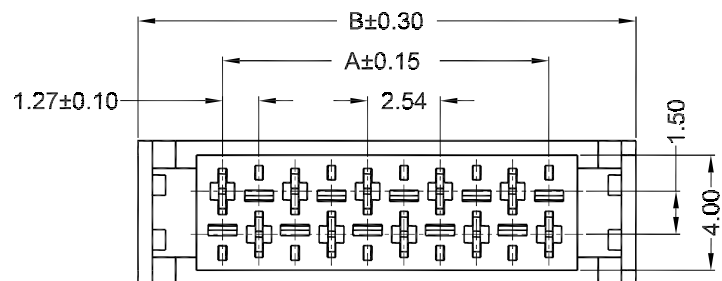
Mates with:

- M1270W (male on wire)
- M1270BVT (male on board, through-hole)
- M1270BVS (male on board, SMT)
- 1270W (crimp housing)

Part Number Information:



							General Tolerance	Zeakka Electronics				Document No.: ZK-F1270BVT-N		
							.X ±0.3					Title: CONNECTOR, FEMALE ON BOARD TOP ENTRY, THT, NO POLARIZATION, 1.27MM		
							.XX ±0.2	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
Date	Version	EC No.	Description	DRWN	CH'K	APPR	.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A
							THIRD ANGLE PROJECTION							



Recommended P.C.B Layout
General Tolerance±0.05

Specifications:

Current Rating: 1.0A AC/DC
Voltage rating: 500V AC/DC
Temperature range: -40°C to +105°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Package: plastic tube

Material:

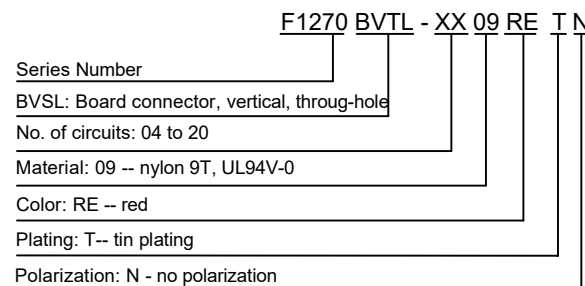
Housing: nylon 9T, UL94V-0, red
PIN: brass

Mates with:

- M1270W (male on wire)
- M1270BVT (male on board, through-hole)
- M1270BVS (male on board, SMT)
- 1270W (crimp housing)

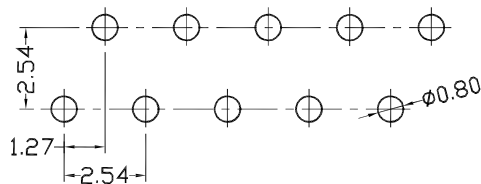
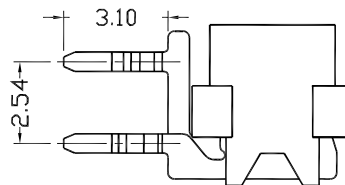
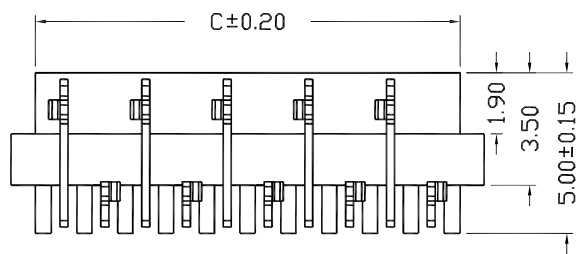
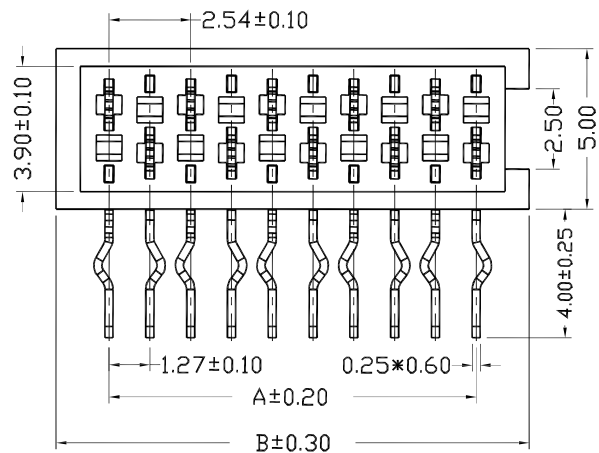
Circuits	Dimensions (mm)		
	A	B	C
4	3.81	9.70	5.60
6	6.35	12.24	8.14
8	8.89	14.78	10.68
10	11.43	17.32	13.22
12	13.97	19.86	15.76
14	16.51	22.40	18.30
16	19.05	24.94	20.84
18	21.59	27.48	23.38
20	24.13	30.02	25.92

Part Number Information:



							General Tolerance	Zeakka Electronics				Document No.: ZK-F1270BVTL-N		
							.X ±0.3					Title: CONNECTOR, FEMALE ON BOARD TOP ENTRY, THT, NO POLARIZATION, WITH LATCHES, 1.27MM		
							.XX ±0.2					APPR	CH'K	DRWN
Date	Version	EC No.	Description	DRWN	CH'K	APPR	.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A

THIRD ANGLE PROJECTION



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)

Specifications:

Current Rating: 1.0A AC/DC
Voltage rating: 500V AC/DC
Temperature range: -40°C to +105°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Package: plastic tube / tape & reel

Material:

Housing: nylon 9T, UL94V-0, red
PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
4	3.81	7.00	5.60
6	6.35	9.54	8.14
8	8.89	12.08	10.68
10	11.43	14.62	13.22
12	13.97	17.16	15.76
14	16.51	19.70	18.30
16	19.05	22.24	20.84
18	21.59	24.78	23.38
20	24.13	27.32	25.92

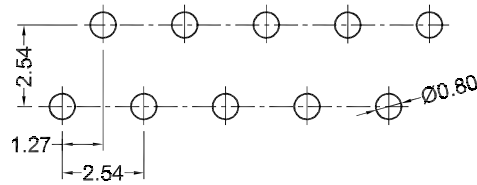
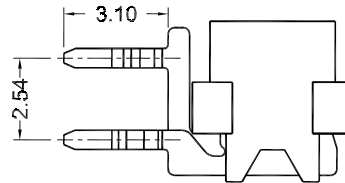
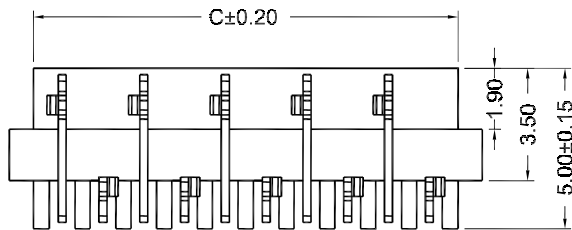
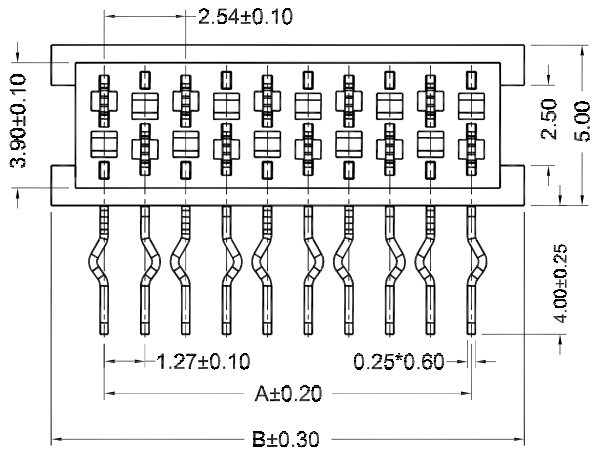
Mates with: M1270W (male on wire)
M1270BVT (male on board, through-hole)
M1270BVS (male on board, SMT)
1270W (crimp housing)

Part Number Information:

F1270 BRT - XX 09 RE T

Series Number: F1270
BRT: Board connector, R/A, THT type
No. of circuits: 04 to 20
Material: 09 -- nylon 9T, UL94V-0
Color: RE -- red
Plating: T-- tin plating

Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION	Zeakka Electronics				Document No.: ZK-F1270BRT		
								APPR	CH'K	DRWN	Date	Title: CONNECTOR, FEMALE ON BOARD SIDE ENTRY, THT, 1.27MM		
								APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
								Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE±0.05)

Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: plastic tube / tape & reel

Material:

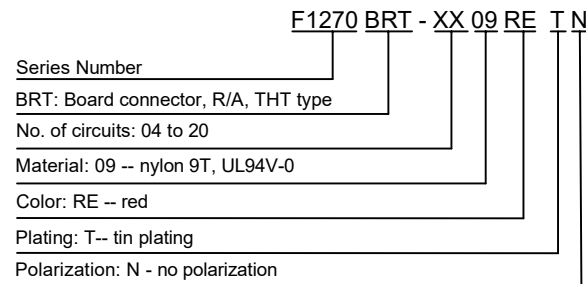
Housing: nylon 9T, UL94V-0, red
 PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
4	3.81	7.00	5.60
6	6.35	9.54	8.14
8	8.89	12.08	10.68
10	11.43	14.62	13.22
12	13.97	17.16	15.76
14	16.51	19.70	18.30
16	19.05	22.24	20.84
18	21.59	24.78	23.38
20	24.13	27.32	25.92

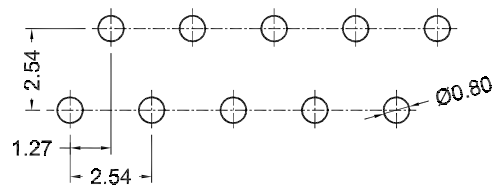
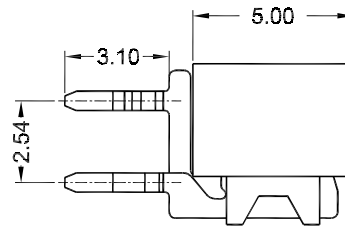
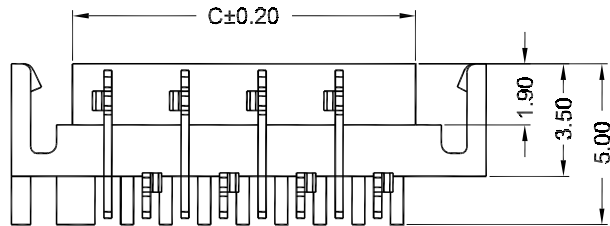
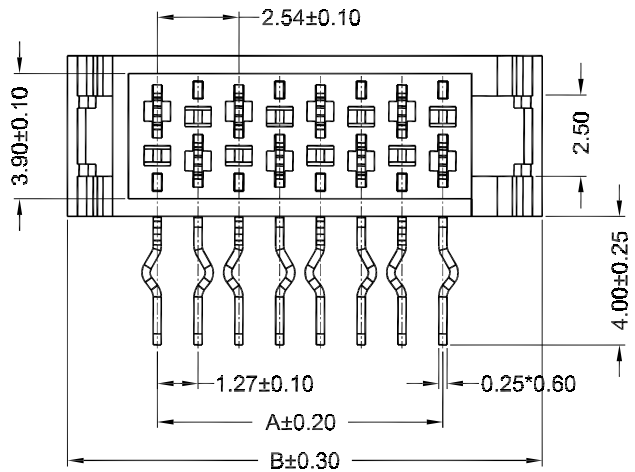
Mates with:

- M1270W (male on wire)
- M1270BVT (male on board, through-hole)
- M1270BVS (male on board, SMT)
- 1270W (crimp housing)

Part Number Information:



						General Tolerance	Zeakka Electronics				Document No.: ZK-F1270BRTL-N			
						.X ±0.3					Title: CONNECTOR, FEMALE ON BOARD SIDE ENTRY, THT, NO POLARIZATION, 1.27MI			
						.XX ±0.2	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version	
Date	Version	EC No.	Description	DRWN	CH'K	APPR	.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A
						THIRD ANGLE PROJECTION								



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE±0.05)

Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: plastic tube / tape & reel

Material:

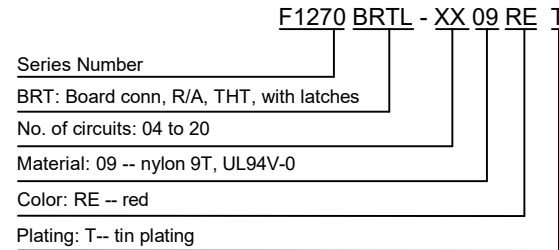
Housing: nylon 9T, UL94V-0, red
 PIN: brass

Circuits	Dimensions (mm)		
	A	B	C
4	3.81	7.00	5.60
6	6.35	9.54	8.14
8	8.89	12.08	10.68
10	11.43	14.62	13.22
12	13.97	17.16	15.76
14	16.51	19.70	18.30
16	19.05	22.24	20.84
18	21.59	24.78	23.38
20	24.13	27.32	25.92

Mates with:

- M1270W (male on wire)
- M1270BVT (male on board, through-hole)
- M1270BVS (male on board, SMT)
- 1270W (crimp housing)

Part Number Information:



							General Tolerance	Zeakka Electronics				Document No.: ZK-F1270BRTL		
							.X ±0.3					Title: CONNECTOR, FEMALE ON BOARD SIDE ENTRY, THT, WITH LATCHES, 1.27MM		
							.XX ±0.2	APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
							.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION							

Circuits	Dimensions (mm)	
	A	B
4	2.54	7.20
6	5.08	9.74
8	7.62	12.28
10	10.16	14.82
12	12.70	17.36
14	15.24	19.90
16	17.78	22.44
18	20.32	24.98
20	22.86	27.52

Specifications:

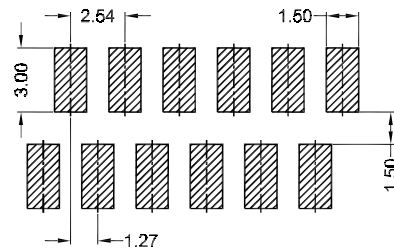
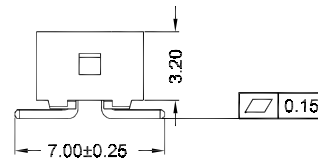
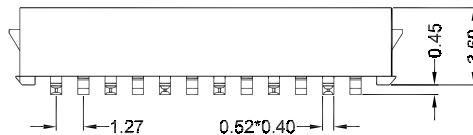
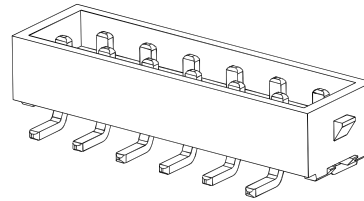
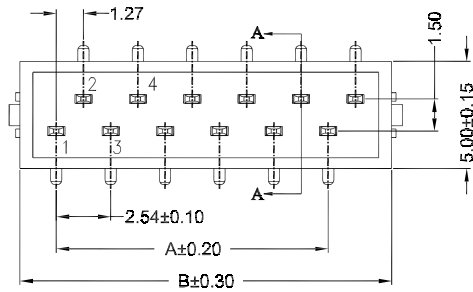
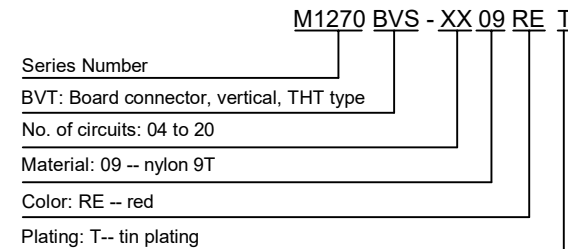
Current Rating: 1.0A AC/DC
Voltage rating: 500V AC/DC
Temperature range: -40°C to +105°C
Contact resistance: 20mΩ max.
Insulation resistance: 1000MΩ min.
Withstand voltage: 1000V AC/minute
Package: tape & reel

Material:

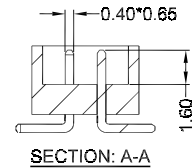
Housing: nylon 9T / PBT, UL94V-0, red
PIN: phosphor bronze

Mates with: F1270BVS / F1270BVSL (female on board, vertical SMT)
F1270BVT / F1270BVTL (female on board, vertical THT)
F1270BRT / F1270BRTL / F1270BRT-N (female on board, right angle, THT)

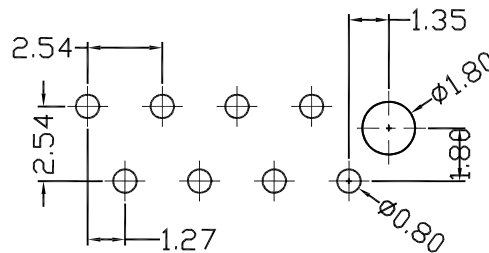
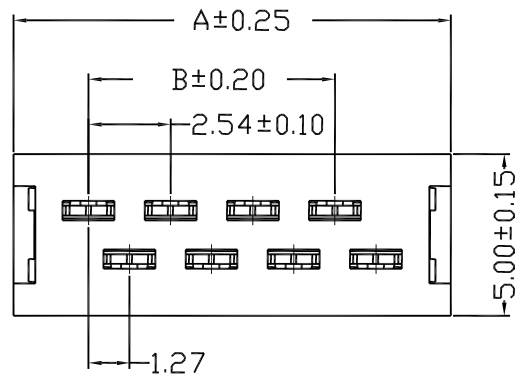
Part Number Information:



Recommended P.C.B Layout
General Tolerance±0.05



Date	Version	EC No.	Description	DRWN	CH'K	APPR	General Tolerance	Zeakka Electronics				Document No.:	ZK-M1270BVS		
							.X ±0.3	APPR	CH'K	DRWN	Date	Title: CONNECTOR, MALE ON BOARD, VERTICAL, SMT TYPE, 1.27MM			
						.XX ±0.2	Dimensions					Scale	Version		
						.XXX ±0.1	mm					1:1	A		
							THIRD ANGLE PROJECTION	Kai Lee	Cris Wang	Jun Wei	2020.8.8				



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE±0.05)

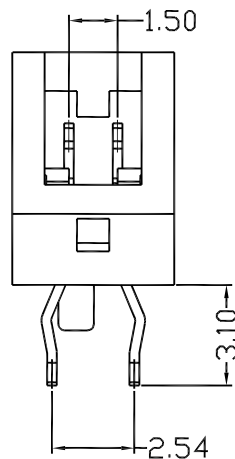
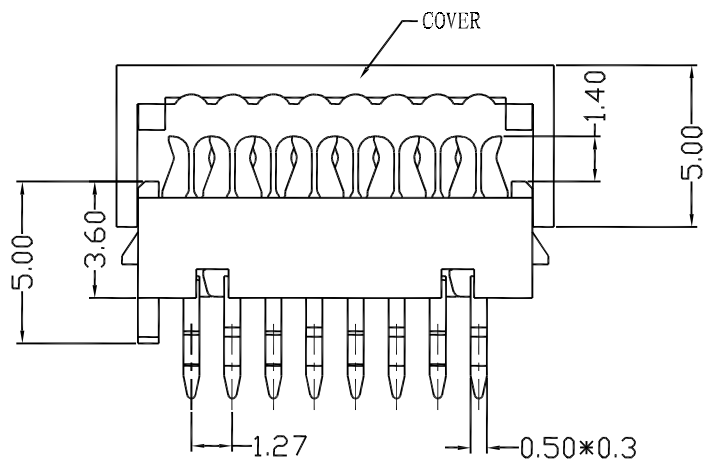
Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: plastic tube

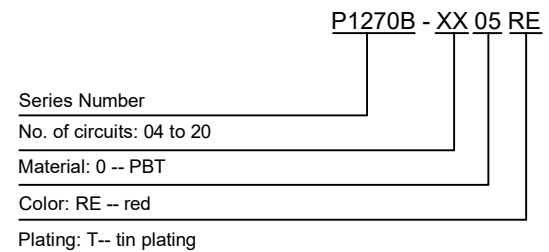
Material:

Housing: PBT, UL94V-0, red
 PIN: phosphor bronze

Circuits	Dimensions (mm)	
	A	B
4	8.45	2.54
6	10.99	5.08
8	13.53	7.62
10	16.07	10.16
12	18.61	12.70
14	21.15	15.24
16	23.69	17.78
18	26.23	20.32
20	28.77	22.86

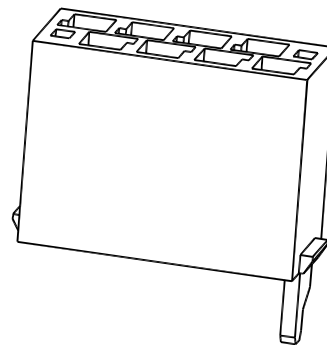
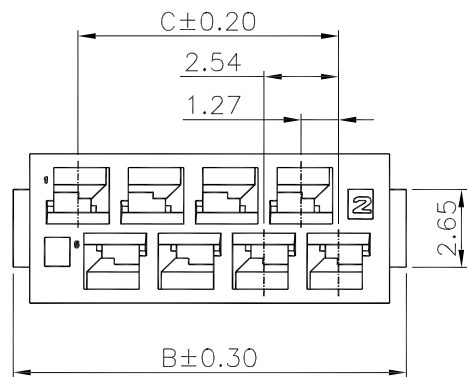


Part Number Information:



Date	Version	EC No.	Description	DRWN	CH'K	APPR	General Tolerance	Zeakka Electronics				Document No.:	ZK-P1270B	
							.X ±0.3	APPR	CH'K	DRWN	Date	Title:	PADDLE BOARD CONNECTOR, 1.27MM	
							.XX ±0.2					Dimensions	Scale	Version
							.XXX ±0.1	Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A

THIRD ANGLE PROJECTION



Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Package: plastic tube

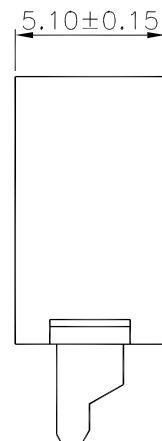
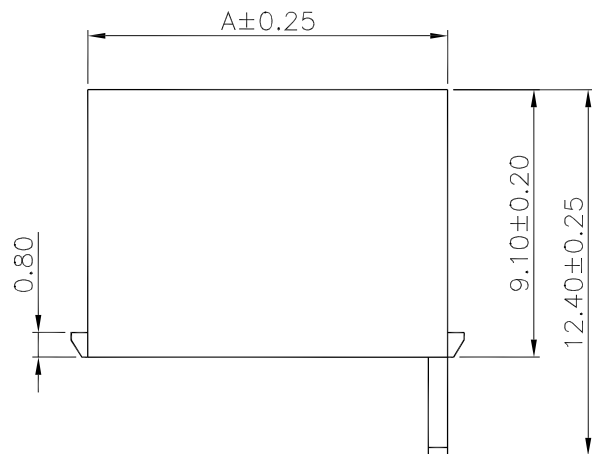
Circuits	Dimensions (mm)		
	A	B	C
4	7.20	8.40	3.81
6	9.74	10.94	6.35
8	12.28	13.48	8.89
10	14.82	16.02	11.43
12	17.36	18.56	13.97
14	19.90	21.10	16.51
16	22.44	23.64	19.05
18	24.98	26.18	21.59
20	27.52	28.72	24.13

Material:

Housing: nylon 9T / PBT, UL94V-0, red
 PIN: phosphor bronze

Mates with: F1270BVS / F1270BVSL (female on board, vertical SMT)
 F1270BVT / F1270BVTL (female on board, vertical THT)
 F1270BRT / F1270BRTL / F1270BRT-N (female on board, right angle, THT)

Use with: 1270T (crimp style terminal)



Part Number Information:

1270 W - XX 05 RE

Series Number

No. of circuits: 04 to 20

Material: 05 -- PBT

Color: RE -- red

							General Tolerance	Zeakka Electronics				Document No.: ZK-1270W						
							.X ±0.3					Title: CONNECTOR HOUSING, CRIMP TYPE, MALE, 1.27MM						
							.XX ±0.2					APPR	CH'K	DRWN	Date	Dimensions	Scale	Version
							.XXX ±0.1					Kai Lee	Cris Wang	Jun Wei	2020.8.8	mm	1:1	A
Date	Version	EC No.	Description	DRWN	CH'K	APPR	THIRD ANGLE PROJECTION											

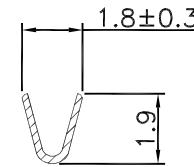
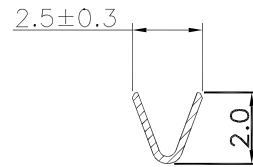
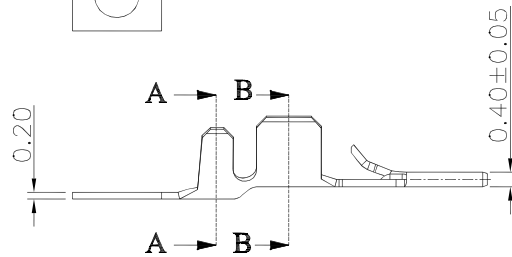
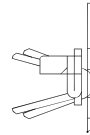
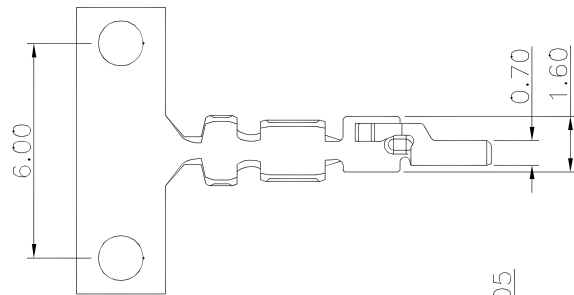
Specifications:

Current Rating: 1.0A AC/DC
 Voltage rating: 500V AC/DC
 Temperature range: -40°C to +105°C
 Contact resistance: 20mΩ max.
 Insulation resistance: 1000MΩ min.
 Withstand voltage: 1000V AC/minute
 Applicable wire: AWG24 - AWG20
 Package: reel

Material:

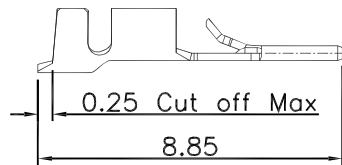
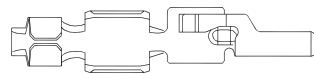
Phosphor bronze

Used with: 1270W (wire connector)

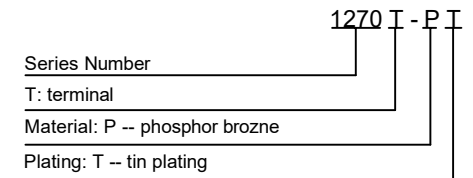


SECTION A-A

SECTION B-B



Part Number Information:



Series Number

T: terminal

Material: P -- phosphor bronze

Plating: T -- tin plating

General Tolerance

.X ±0.3

.XX ±0.2

.XXX ±0.1

Zeakka Electronics

Document No.: ZK-1270T

Title: TERMINAL, MALE, CRIMP TYPE, PHOSPHOR BRONZE, TIN, REEL

APPR

CH'K

DRWN

Date

Dimensions

Scale

Version

Date

Version

EC No.

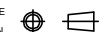
Description

DRWN

CH'K

APPR

THIRD ANGLE PROJECTION



Kai Lee

Cris Wang

Jun Wei

2020.8.8

mm

1:1

A