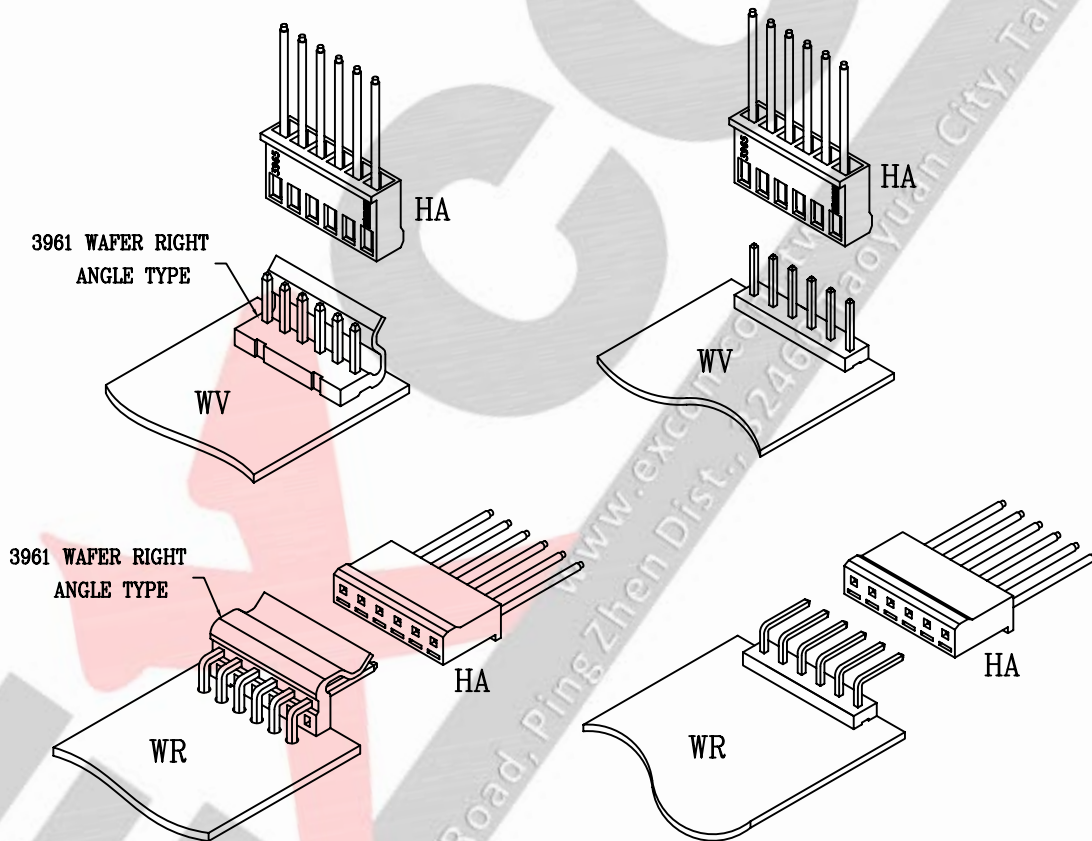


### ■ Specifications

1. Current rating: 5A AC/DC
2. Voltage rating: 250V AC/DC
3. Withstand voltage: 1000V AC/minute
4. Insulation resistance: 1000M  $\Omega$  min
5. Contact resistance: 20m  $\Omega$  max
6. Temperature range: -25°C to +105°C
7. Applicable PC board thickness: 0.8~1.6mm(.032'' to .063'')
8. Applicable wires: AWG#24#18  
Insulation O.D.: 1.3~3.2mm
9. Circuits: 2~15 circuits available



### Part Code Information:

3965-WW XX YY

① ② ③ ④

① Series Name

② Circuits Number

02~17

00 For Terminal

③ Product Type

HA=Housing

WV=Wafer (Vertical type)

WR=Wafer (Right angle type)

TC=Terminal

TS=Terminal

④ Material/Finishing/Color

351=Phosphor,Tin Pre-Plated

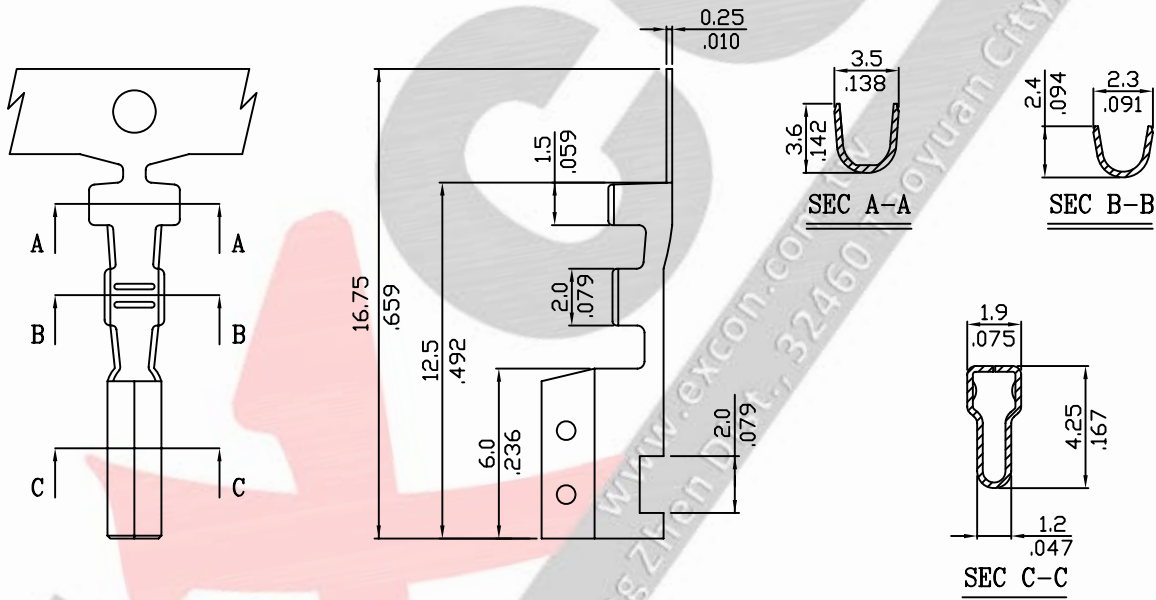
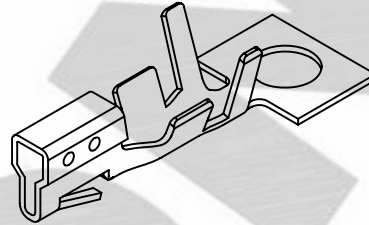
051=Brass,Tin Pre-Plated

051=NY 66 94V2,Natural Color

001=NY 66 94V0,Natural Color

### Crimp Terminal

1. Part No.: 396500TC051,396500TC351
2. Part Name: 3965 Terminal
3. Material: Brass/Phosphor bronze
4. Finishing: Tin pre-plated



### Ordering Information and Dimensions:

Part No.	Wire Range	Insulation O.D.	Material	Finishing	Q'ty/reel
396500TC051	AWG#24~#18	1.3-3.2mm	Brass	Tin pre-plated	5,000pcs
396500TC351	AWG#24~#18	1.3-3.2mm	Phosphor	Tin pre-plated	5,000pcs
396500TS051	AWG#28~#22	1.2-2.6mm	Brass	Tin pre-plated	5,000pcs
396500TS351	AWG#28~#22	1.2-2.6mm	Phosphor	Tin pre-plated	5,000pcs

### Part Code Information:

3965-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number

00 For Terminal

③ Product Type

TC=Terminal

TS=Terminal

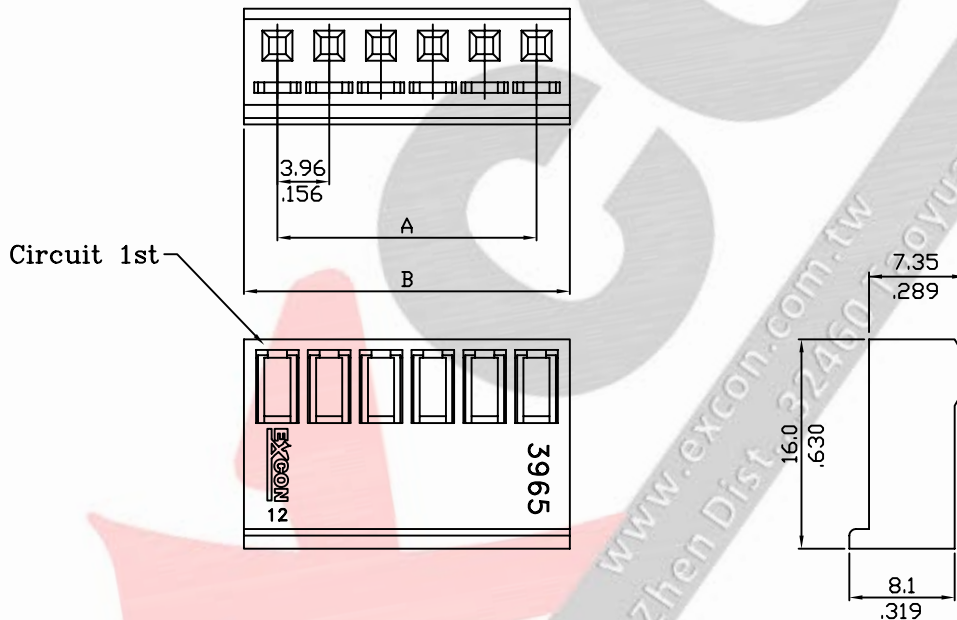
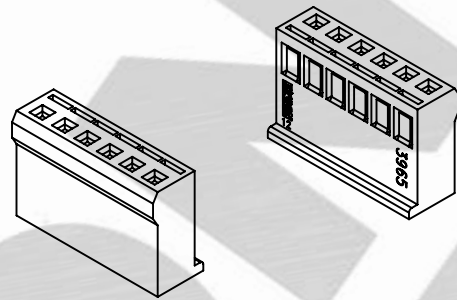
④ Material/Finishing/Color

351=Phosphor,Tin Pre-Plated

051=Brass,Tin Pre-Plated

### Housing

1. Part No.: 3965xxHA051,3965xxHA001
2. Part Name: 3965 Housing
3. Material: Nylon 66 UL 94V2/V0
4. Color: Natural



### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
396502HA051	2	3.96(.156)	9.06(.357)	396509HA051	9	31.68(1.247)	36.78(1.448)
396503HA051	3	7.92(.312)	13.02(.513)	396510HA051	10	35.64(1.403)	40.74(1.604)
396504HA051	4	11.88(.468)	16.98(.669)	396511HA051	11	39.60(1.559)	44.70(1.760)
396505HA051	5	15.84(.624)	20.94(.824)	396512HA051	12	43.56(1.715)	48.66(1.916)
396506HA051	6	19.80(.780)	24.90(.980)	396513HA051	13	47.52(1.871)	52.62(2.072)
396507HA051	7	23.76(.935)	28.86(1.136)	396514HA051	14	51.48(2.027)	56.58(2.228)
396508HA051	8	27.72(1.091)	32.82(1.292)	396515HA051	15	55.44(2.183)	60.54(2.383)

### Part Code Information:

3965-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number

02~15

③ Product Type

HA=Housing

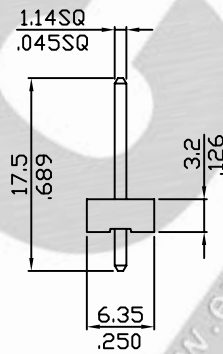
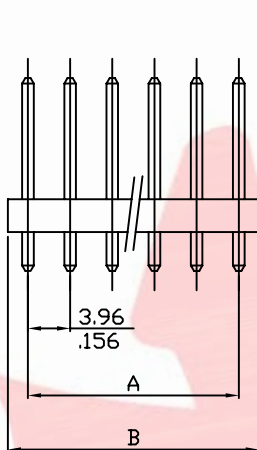
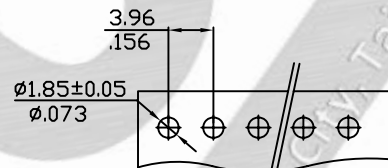
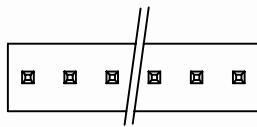
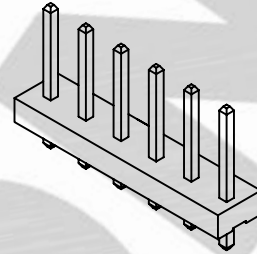
④ Material/Finishing/Color

051=NY 66 94V2,Natural Color

001=NY 66 94V0,Natural Color

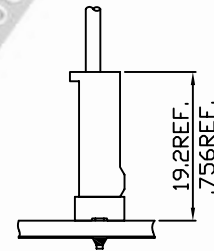
### Wafer (Vertical type)

1. Part No.: 3965xxWV051
2. Part Name: 3965 Wafer
3. Material: Nylon 66 UL 94V2/V0  
Pin: Brass bronze, Tin plated
5. Color: Natural



#### RECOMMENDED PCB LAYOUT

(PCB T=1.0~1.6mm)  
(PCB T=.039~.063in)



#### Mating Dimensions

### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
396502WV051	2	3.96(.156)	7.92(.312)	396510WV051	10	35.64(1.403)	39.60(1.559)
396503WV051	3	7.92(.312)	11.88(.468)	396511WV051	11	39.60(1.559)	43.56(1.715)
396504WV051	4	11.88(.468)	15.84(.624)	396512WV051	12	43.56(1.715)	47.52(1.871)
396505WV051	5	15.84(.624)	19.80(.780)	396513WV051	13	47.52(1.871)	51.48(2.027)
396506WV051	6	19.80(.780)	23.76(.935)	396514WV051	14	51.48(2.027)	55.44(2.183)
396507WV051	7	23.76(.935)	27.72(1.091)	396515WV051	15	55.44(2.183)	59.40(2.339)
396508WV051	8	27.72(1.091)	31.68(1.247)	396516WV051	16	59.40(2.339)	63.36(2.494)
396509WV051	9	31.68(1.247)	35.64(1.403)	396517WV051	17	63.36(2.494)	67.32(2.650)

### Part Code Information:

3965-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number

02~17

③ Product Type

WV=Wafer (Vertical type)

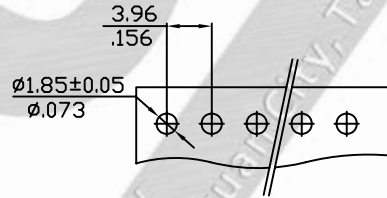
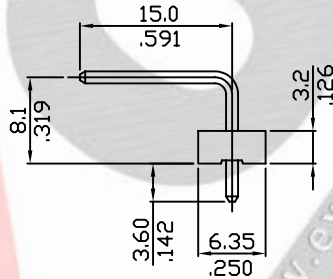
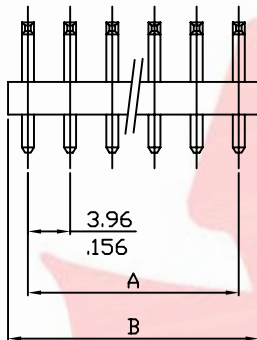
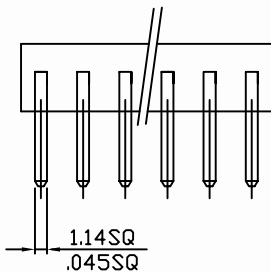
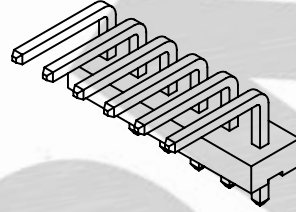
④ Material/Finishing/Color

051=NY 66 94V2,Natural Color

001=NY 66 94V0,Natural Color

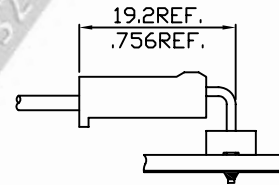
### Wafer (Right angle type)

1. Part No.: 3965xxWR051
2. Part Name: 3965 Wafer
3. Material: Nylon 66 UL 94V2/V0  
Pin: Brass bronze, Tin plated
4. Color: Natural



#### RECOMMENDED PCB LAYOUT

- (PCB T=1.0~1.6mm)
- (PCB T=.039~.063in)



#### Mating Dimensions

### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
396502WV051	2	3.96(.156)	7.92(.312)	396510WV051	10	35.64(1.403)	39.60(1.559)
396503WV051	3	7.92(.312)	11.88(.468)	396511WV051	11	39.60(1.559)	43.56(1.715)
396504WV051	4	11.88(.468)	15.84(.624)	396512WV051	12	43.56(1.715)	47.52(1.871)
396505WV051	5	15.84(.624)	19.80(.780)	396513WV051	13	47.52(1.871)	51.48(2.027)
396506WV051	6	19.80(.780)	23.76(.935)	396514WV051	14	51.48(2.027)	55.44(2.183)
396507WV051	7	23.76(.935)	27.72(1.091)	396515WV051	15	55.44(2.183)	59.40(2.339)
396508WV051	8	27.72(1.091)	31.68(1.247)	396516WV051	16	59.40(2.339)	63.36(2.494)
396509WV051	9	31.68(1.247)	35.64(1.403)	396517WV051	17	63.36(2.494)	67.32(2.650)

### Part Code Information:

3965-WW XX YYY

① ② ③ ④

- ① Series Name
- ② Circuits Number

02~17

③ Product Type

WR=Wafer (Right angle type)

④ Material/Finishing/Color

051=NY 66 94V2,Natural Color  
001=NY 66 94V0,Natural Color