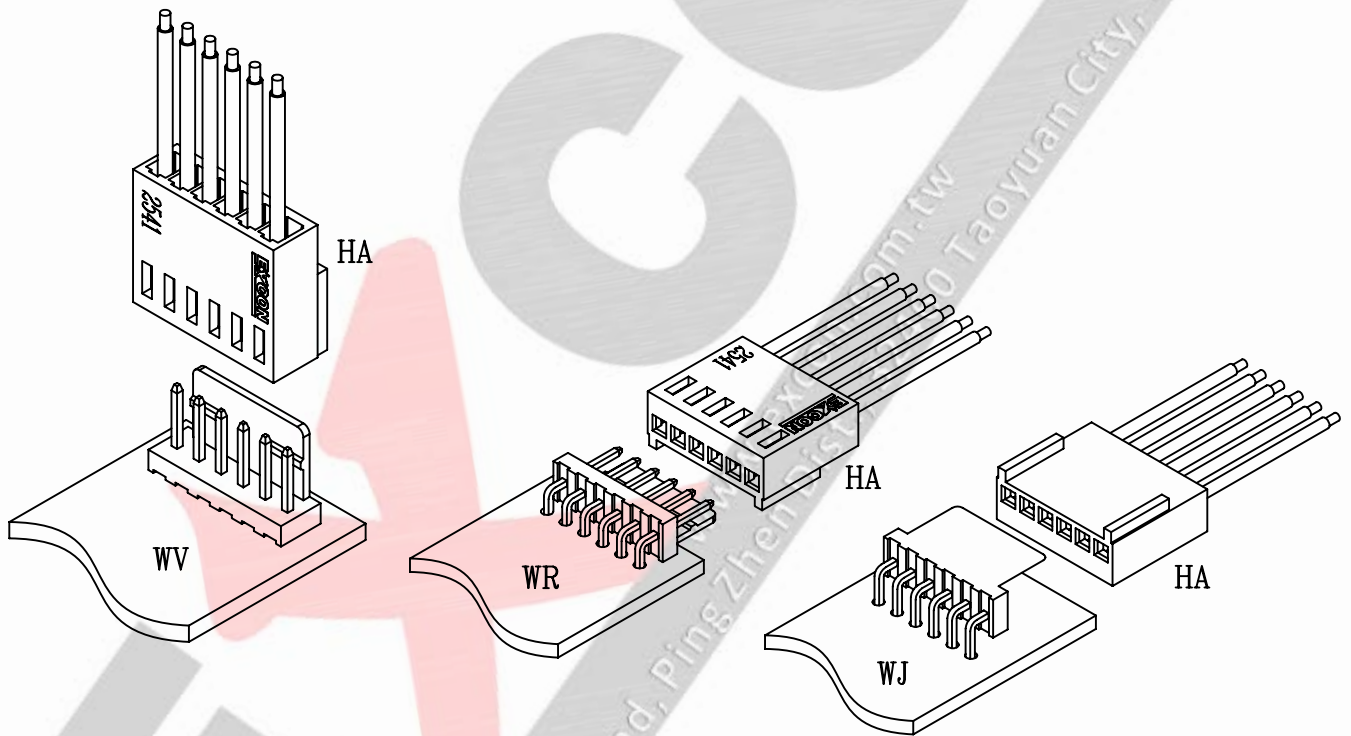


### ■ Specifications

1. Current rating: 3A AC/DC (AWG #22)
2. Voltage rating: 250V AC/DC
3. Withstand voltage: 1000V AC/minute
4. Insulation resistance: 1000M  $\Omega$  min
5. Contact resistance: 10m  $\Omega$  max
6. Temperature range: -25°C to +105°C
7. Applicable PC board thickness: 1.0~1.6mm(.039" to .063")
8. Applicable wires: AWG#28-#22  
Insulation O.D.: 1.2-1.7mm
9. Circuits: 2~20 circuits available



### Part Code Information:

2541-WW XX YY

① ② ③ ④

① Series Name

② Circuits Number  
02~20

00 For Terminal

③ Product Type

HA=Housing

WV=Wafer (Vertical type)

WR=Wafer (Right angle type)

WJ=Wafer (Right angle type)

TC=Terminal

④ Material/Finishing/Color

351=Phosphor,Tin Pre-Plated

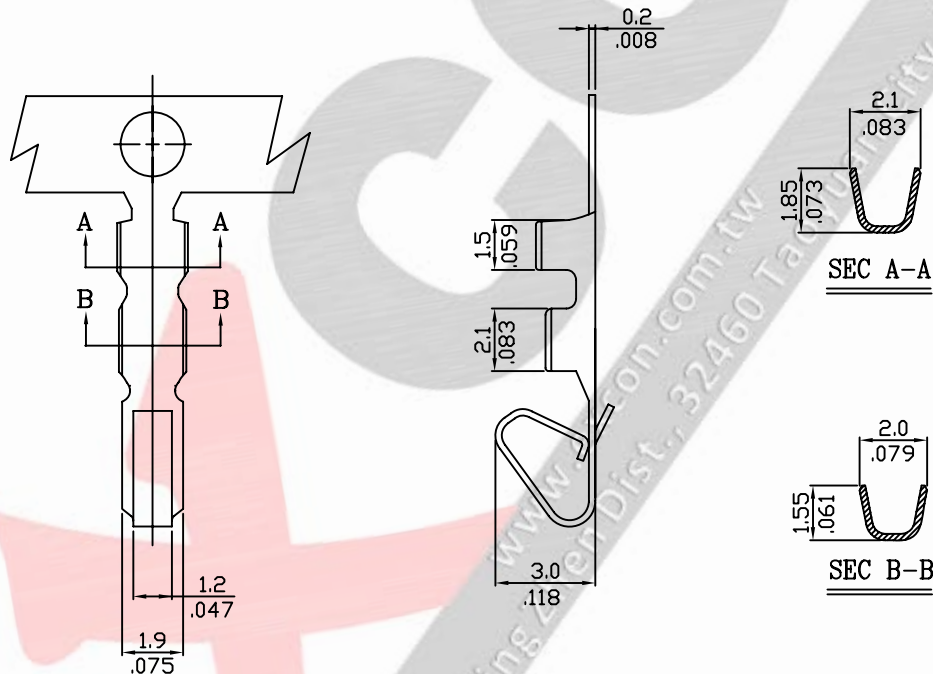
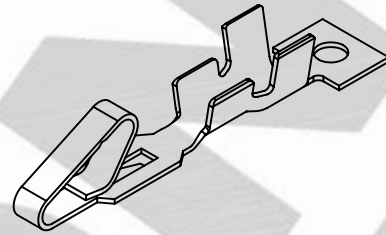
051=Brass,Tin Pre-Plated

004=NY66 94V-0, Color,Beige

054=NY66 94V-2, Color,Beige

### Crimp Terminal

1. Part No.: 254100TC051 , 254100TC351
2. Part Name: 2541 Terminal
3. Material: Phosphor bronze or brass
4. Finishing: Tin pre-plated



### Ordering Information and Dimensions:

Part No.	Wire Range	Insulation O.D.	Material	Finish	Q'ty/reel
254100TC051	AWG#28~#22	1.2-1.7mm	Brass	Tin pre-plated	10,000pcs
254100TC351	AWG#28~#22	1.2-1.7mm	phosphor	Tin pre-plated	10,000pcs

### Part Code Information:

2541-WW XX YY

① ② ③ ④

① Series Name

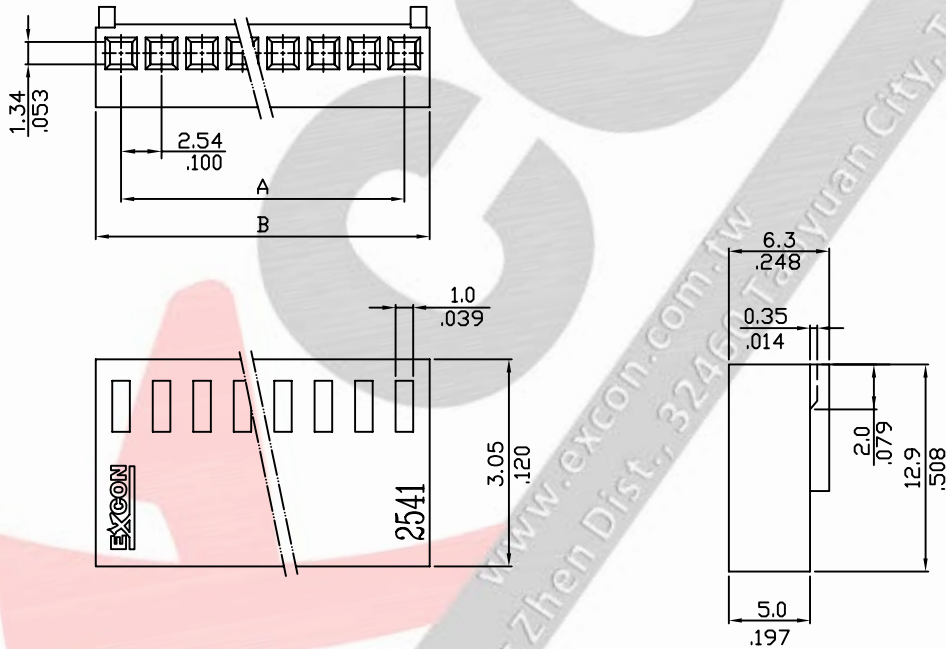
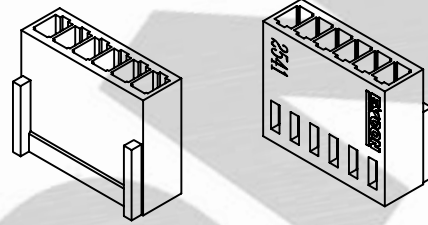
② Circuits Number  
00 For Terminal

③ Product Type  
TC=Terminal

④ Material/Finishing/Color  
051=Brass,Tin Pre-Plated  
351=Phosphor,Tin Pre-Plated

### Housing

1. Part No.: 2541xxHA054,2541xxHA004
2. Part Name: 2541 Housing
3. Material: Nylon 66 UL 94V2/V0
4. Color: Beige



### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
254102HA054	2	2.54(.100)	5.64(.222)	254112HA054	12	27.94(1.100)	31.04(1.222)
254103HA054	3	5.08(.200)	8.18(.322)	254113HA054	13	30.48(1.200)	33.58(1.322)
254104HA054	4	7.62(.300)	10.72(.422)	254114HA054	14	33.02(1.300)	36.12(1.422)
254105HA054	5	10.16(.400)	13.26(.522)	254115HA054	15	35.56(1.400)	38.66(1.522)
254106HA054	6	12.70(.500)	15.80(.622)	254116HA054	16	38.10(1.500)	41.20(1.622)
254107HA054	7	15.24(.600)	18.34(.722)	254117HA054	17	40.64(1.600)	43.74(1.722)
254108HA054	8	17.78(.700)	20.88(.822)	254118HA054	18	43.18(1.700)	46.28(1.822)
254109HA054	9	20.32(.800)	23.42(.922)	254119HA054	19	45.72(1.800)	48.82(1.922)
254110HA054	10	22.86(.900)	25.96(1.022)	254120HA054	20	48.26(1.900)	51.36(2.022)
254111HA054	11	25.40(1.000)	28.50(1.122)				

### Part Code Information:

2541-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number  
02~20

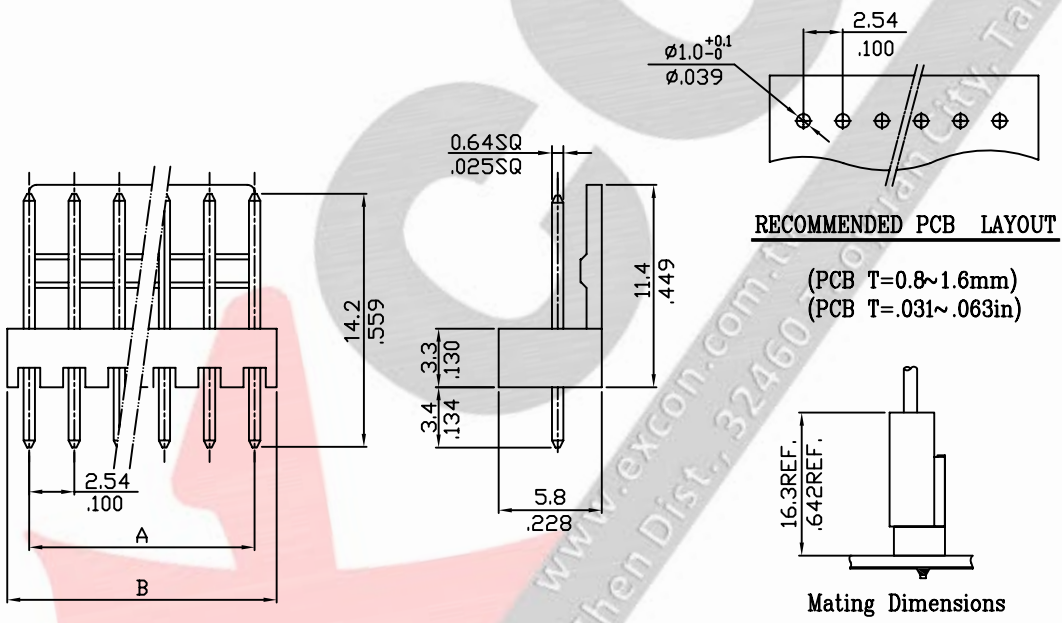
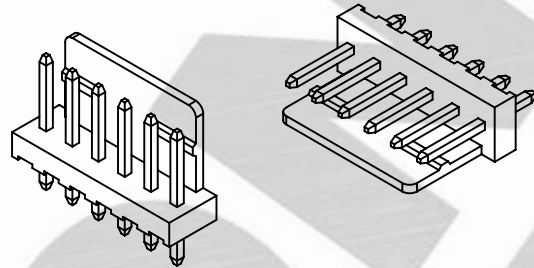
③ Product Type  
HA=Housing

④ Material/Finishing/Color

004=NY66 94V-0, Color,Beige  
054=NY66 94V-2, Color,Beige

### Wafer (Vertical type)

1. Part No.: 2541xxWV054,2541xxWV004
2. Part Name: 2541 Wafer
3. Material: Nylon 66 UL 94V2/V0  
Pin: Brass bronze, Tin plated
5. Color: Beige



### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
254102WV054	2	2.54(.100)	5.08(.200)	254112WV054	12	27.94(1.100)	30.48(1.200)
254103WV054	3	5.08(.200)	7.62(.300)	254113WV054	13	30.48(1.200)	33.02(1.300)
254104WV054	4	7.62(.300)	10.16(.400)	254114WV054	14	33.02(1.300)	35.56(1.400)
254105WV054	5	10.16(.400)	12.70(.500)	254115WV054	15	35.56(1.400)	38.10(1.500)
254106WV054	6	12.70(.500)	15.24(.600)	254116WV054	16	38.10(1.500)	40.64(1.600)
254107WV054	7	15.24(.600)	17.78(.700)	254117WV054	17	40.64(1.600)	43.18(1.700)
254108WV054	8	17.78(.700)	20.32(.800)	254118WV054	18	43.18(1.700)	45.72(1.800)
254109WV054	9	20.32(.800)	22.86(.900)	254119WV054	19	45.72(1.800)	48.26(1.900)
254110WV054	10	22.86(.900)	25.40(1.000)	254120WV054	20	48.26(1.900)	50.80(2.000)
254111WV054	11	25.40(1.000)	27.94(1.100)				

### Part Code Information:

2541-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number  
02~20

③ Product Type

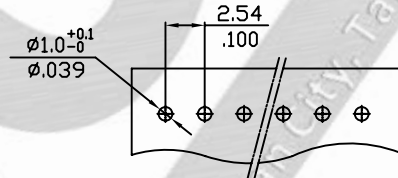
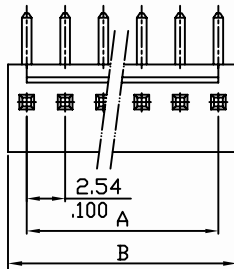
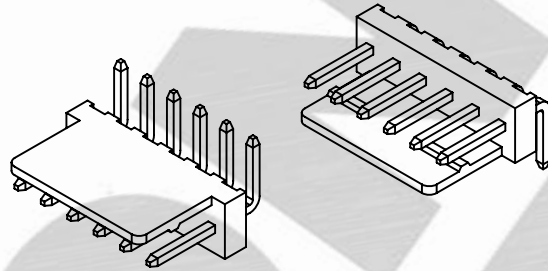
WV=Wafer (Vertical type)

④ Material/Finishing/Color

004=NY66 94V-0, Color,Beige  
054=NY66 94V-2, Color,Beige

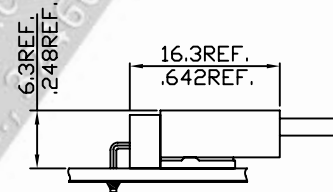
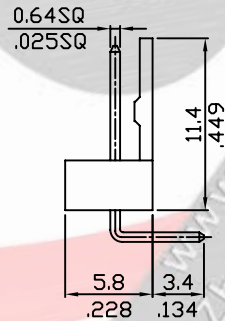
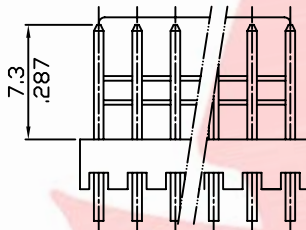
### Wafer (Right angle type)

1. Part No.: 2541xxWR054,2541xxWR004
2. Part Name: 2541 Wafer
3. Material: Nylon 66 UL 94V2/V0  
Pin: Brass bronze, Tin plated
4. Color: Beige



#### RECOMMENDED PCB LAYOUT

(PCB T=0.8~1.6mm)  
(PCB T=.031~.063in)



#### Mating Dimensions

### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
254102WR054	2	2.54(.100)	5.08(.200)	254112WR054	12	27.94(1.100)	30.48(1.200)
254103WR054	3	5.08(.200)	7.62(.300)	254113WR054	13	30.48(1.200)	33.02(1.300)
254104WR054	4	7.62(.300)	10.16(.400)	254114WR054	14	33.02(1.300)	35.56(1.400)
254105WR054	5	10.16(.400)	12.70(.500)	254115WR054	15	35.56(1.400)	38.10(1.500)
254106WR054	6	12.70(.500)	15.24(.600)	254116WR054	16	38.10(1.500)	40.64(1.600)
254107WR054	7	15.24(.600)	17.78(.700)	254117WR054	17	40.64(1.600)	43.18(1.700)
254108WR054	8	17.78(.700)	20.32(.800)	254118WR054	18	43.18(1.700)	45.72(1.800)
254109WR054	9	20.32(.800)	22.86(.900)	254119WR054	19	45.72(1.800)	48.26(1.900)
254110WR054	10	22.86(.900)	25.40(1.000)	254120WR054	20	48.26(1.900)	50.80(2.000)
254111WR054	11	25.40(1.000)	27.94(1.100)				

### Part Code Information:

2541-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number  
02~20

③ Product Type

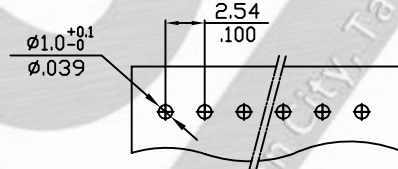
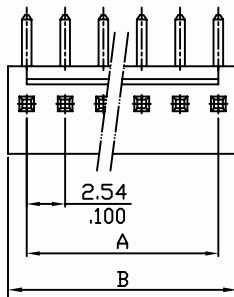
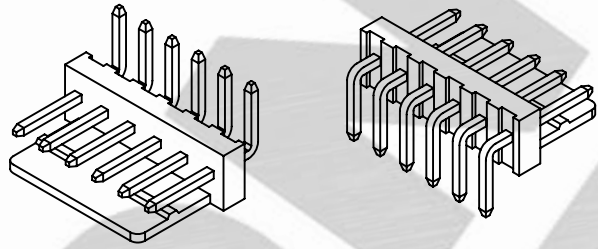
WR=Wafer (Right angle type)

④ Material/Finishing/Color

004=NY66 94V-0, Color,Beige  
054=NY66 94V-2, Color,Beige

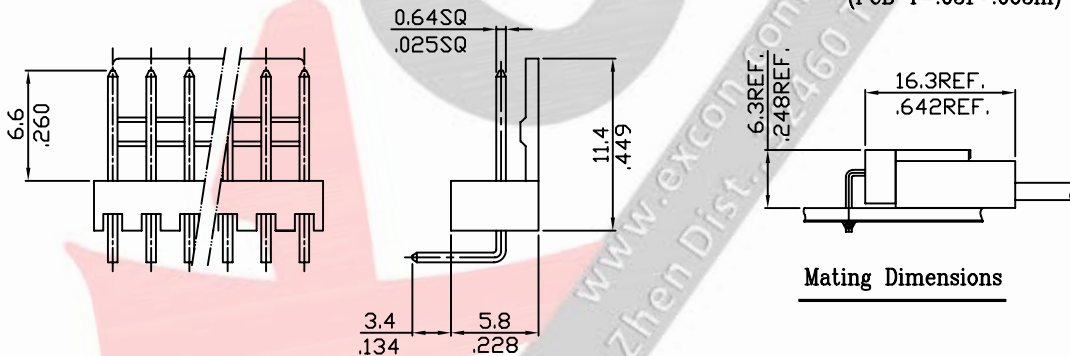
### Wafer (Right angle type)

1. Part No.: 2541xxWJ054,2541xxWJ004
2. Part Name: 2541 Wafer
3. Material: Nylon 66 UL 94V2/V0  
Pin: Brass bronze, Tin plated
4. Color: Beige



#### RECOMMENDED PCB LAYOUT

(PCB T=0.8~1.6mm)  
(PCB T=.031~.063in)



#### Mating Dimensions

### Ordering Information and Dimensions:

Part No.	Circuits	Dim A	Dim B	Part No.	Circuits	Dim A	Dim B
254102WJ054	2	2.54(.100)	5.08(.200)	254112WJ054	12	27.94(1.100)	30.48(1.200)
254103WJ054	3	5.08(.200)	7.62(.300)	254113WJ054	13	30.48(1.200)	33.02(1.300)
254104WJ054	4	7.62(.300)	10.16(.400)	254114WJ054	14	33.02(1.300)	35.56(1.400)
254105WJ054	5	10.16(.400)	12.70(.500)	254115WJ054	15	35.56(1.400)	38.10(1.500)
254106WJ054	6	12.70(.500)	15.24(.600)	254116WJ054	16	38.10(1.500)	40.64(1.600)
254107WJ054	7	15.24(.600)	17.78(.700)	254117WJ054	17	40.64(1.600)	43.18(1.700)
254108WJ054	8	17.78(.700)	20.32(.800)	254118WJ054	18	43.18(1.700)	45.72(1.800)
254109WJ054	9	20.32(.800)	22.86(.900)	254119WJ054	19	45.72(1.800)	48.26(1.900)
254110WJ054	10	22.86(.900)	25.40(1.000)	254120WJ054	20	48.26(1.900)	50.80(2.000)
254111WJ054	11	25.40(1.000)	27.94(1.100)				

### Part Code Information:

2541-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number  
02~20

③ Product Type

WJ=Wafer (Right angle type)

④ Material/Finishing/Color

004=NY66 94V-0, Color,Beige  
054=NY66 94V-2, Color,Beige