



**ALEX**

# .100"(2.54mm) IDC Connector

## Specifications:

- Current rating: 3AAC, DC
- Voltage rating: 250V AC Max.
- Dielectric Strength: 1500V AC/minute
- Insulation resistance: 1000MΩ Min.
- Contact resistance: Initial value / See table .  
After environmental testing / Twice of Initial
- Ambient temperature range: -40°C ~ 105°C  
( Including temperature rise )

## 9254-xx Series Closed End and Feed-Thru Connectors

inches  
mm

- 2 ~ 24 circuits available
- Housing material: UL 94V-2 nylon 66
- Terminal material: Tin-plated phosphor bronze
- With or without polarizing tabs
- With locking ramp
- Through and end type
- Wire range: #22 ~ #28 AWG (Flat ribbon wire)
- Mates with ALEX 254C-xx cover
- Mates with ALEX K-254-x key
- UL file No.: E114003

**Note:**  
**xx:** Number of circuits, 02 ~ 24  
**E:** Closed end type  
**T:** Feed-Thru type  
**C:** Color  
**Z:** With polarizing rib

C	Color	Wire size	Contact resistance
2	Red	#22	10mΩ Max
9	White	#24	15mΩ Max
6	Blue	#26	20mΩ Max
5	Green	#28	30mΩ Max

### 9254-xxE-C

- Closed end type
- Without Polarizing rib

### 9254-xxE-C-Z

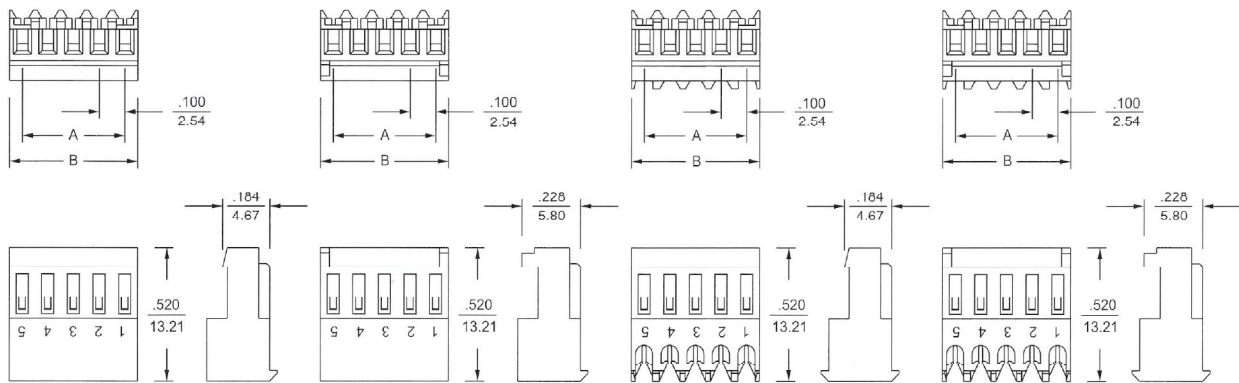
- Closed end type
- With Polarizing rib

### 9254-xxT-C

- Feed-Thru type
- Without Polarizing rib

### 9254-xxT-C-Z

- Feed-Thru type
- With Polarizing rib



## Dimensional Information - in ( mm )

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.100 ( 2.54)	0.200 ( 5.08)	10	0.900 (22.86)	1.000 (25.40)	18	1.700 (43.18)	1.800 (45.72)
3	0.200 ( 5.08)	0.300 ( 7.62)	11	1.000 (25.40)	1.100 (27.94)	19	1.800 (45.72)	1.900 (48.26)
4	0.300 ( 7.62)	0.400 (10.16)	12	1.100 (27.94)	1.200 (30.48)	20	1.900 (48.26)	2.000 (50.80)
5	0.400 (10.16)	0.500 (12.70)	13	1.200 (30.48)	1.300 (33.02)	21	2.000 (50.80)	2.100 (53.34)
6	0.500 (12.70)	0.600 (15.24)	14	1.300 (33.02)	1.400 (35.56)	22	2.100 (53.34)	2.200 (55.88)
7	0.600 (15.24)	0.700 (17.78)	15	1.400 (35.56)	1.500 (38.10)	23	2.200 (55.88)	2.300 (58.42)
8	0.700 (17.78)	0.800 (20.32)	16	1.500 (38.10)	1.600 (40.64)	24	2.300 (58.42)	2.400 (60.96)
9	0.800 (20.32)	0.900 (22.86)	17	1.600 (40.64)	1.700 (43.18)			



**ALEX**

# .100"(2.54mm) Strain Relief Covers

## 254C-xx Series Strain Relief Covers

- 2 ~ 24 circuits available
- Material: UL 94V-0 nylon 66
- Color: White

### Ordering Information

Part No.	Description	Mates with
254C-xx	Feed-Thru Strain Relief Cover	9254-xxT
254C-xx-1	Closed End Strain Relief Cover	9254-xxE

&& xx = 02 ~ 24

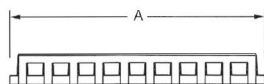
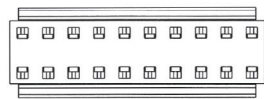
inches  
mm

### Dimensional Information ( mm )

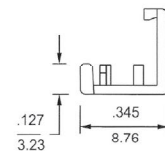
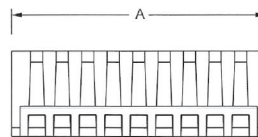
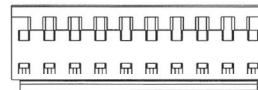
Circuits N	Dim. A
N	2.54 x N

&& N = 2 ~ 24

254C-xx



254C-xx-1



# .156"(3.96mm) Strain Relief Covers

## 255C-xx Series Strain Relief Covers

- 2 ~ 20 circuits available
- Material: UL 94V-0 nylon 66
- Color: White

### Ordering Information

Part No.	Description	Mates with
255C-xx	Feed-Thru Strain Relief Cover	9255-xxT
255C-xx-1	Closed End Strain Relief Cover	9255-xxE

&& xx = 02 ~ 20

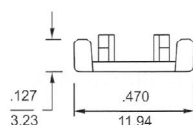
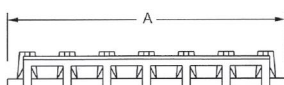
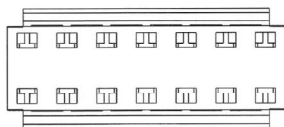
inches  
mm

### Dimensional Information ( mm )

Circuits N	Dim. A
N	3.96 x N

&& N = 2 ~ 20

255C-xx



255C-xx-1

