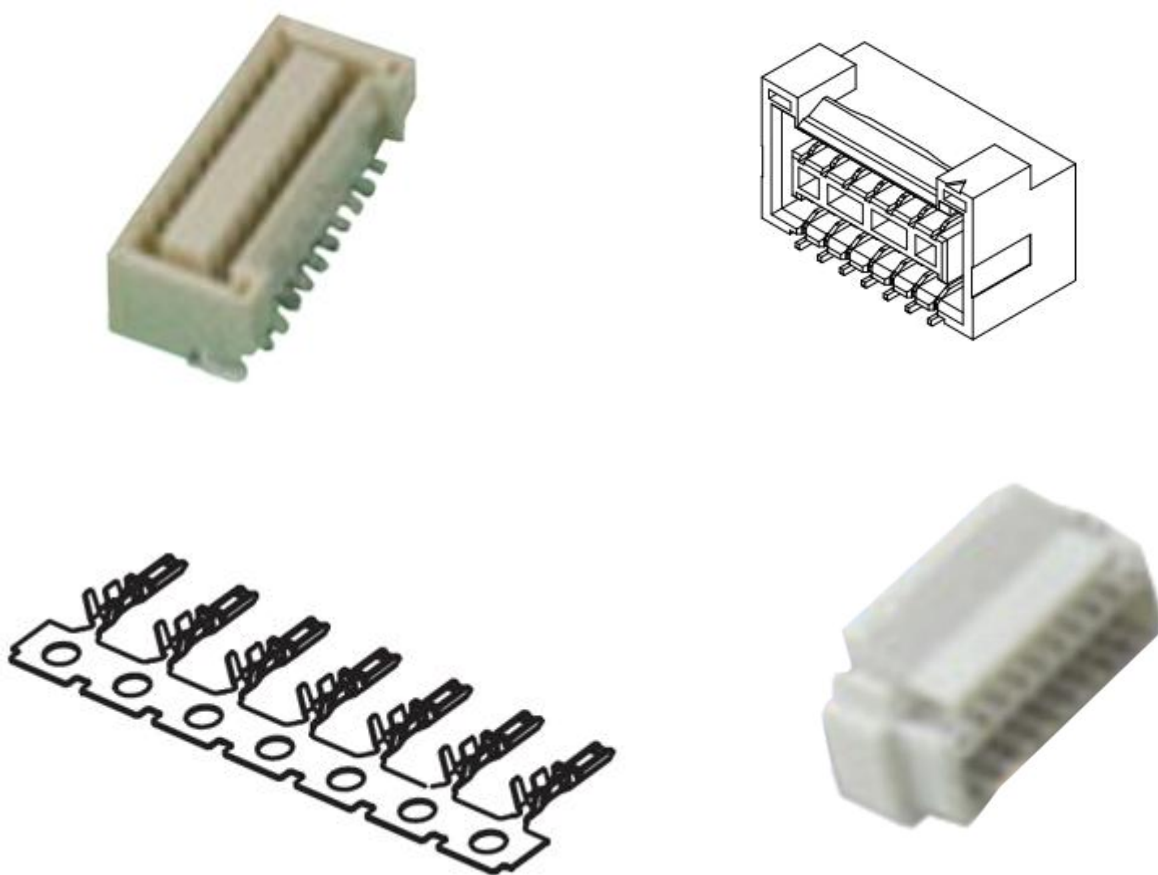


# **.049" (1.25mm) Pitch/Disconnectable Insulation Displacement Connectors**

## **.049" (1.25mm) Connectors**

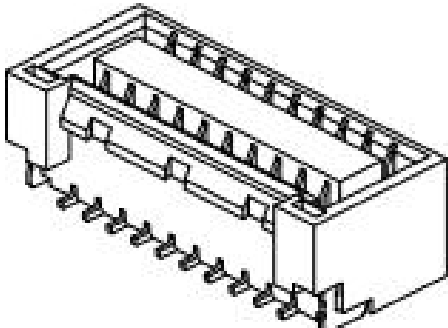


.049" (1.25mm) Pitch SMT Wafer

Specifications:  
Material And Finish:  
Insulator:PA9T UL94V-0  
Contact:Phosphor Bronze  
Plated:See Ordering Information

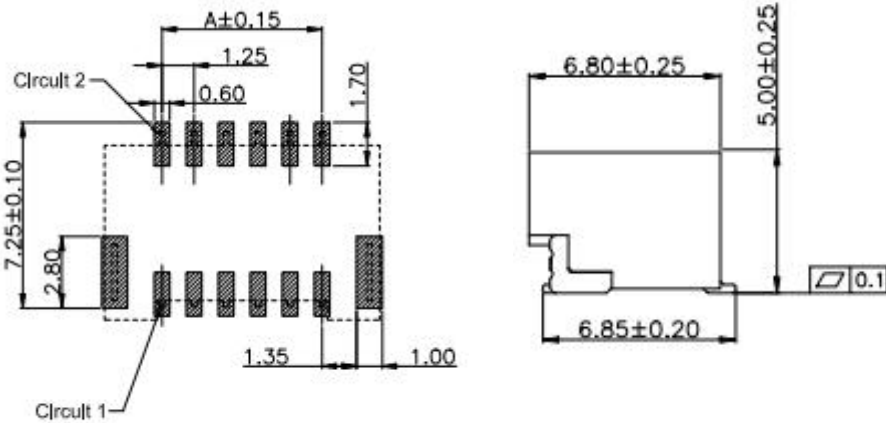
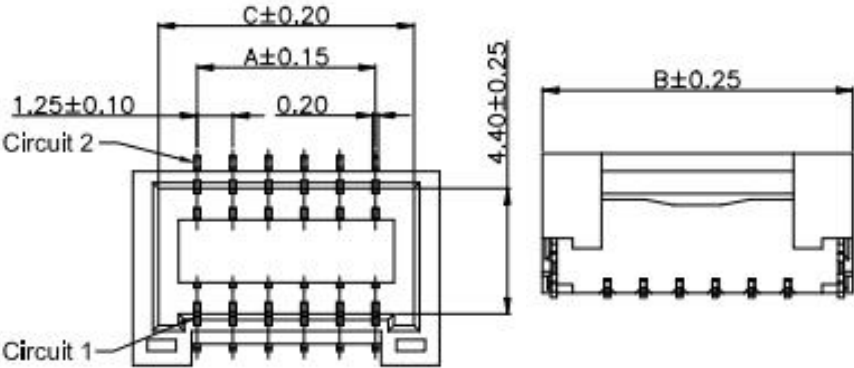
Rating:  
Current Rating:26AWG1.25Amp,28AWG1.0Amp,  
30AWG0.8Amp,  
Voltage Rating:50V AC/DC  
Operating Temperature Range:-40°~+125°C

Electrical:  
Contact resistance:30m Ohm Max  
Insulator resistance:100M ohm min.  
Withstanding Voltage:500V AC/Minute

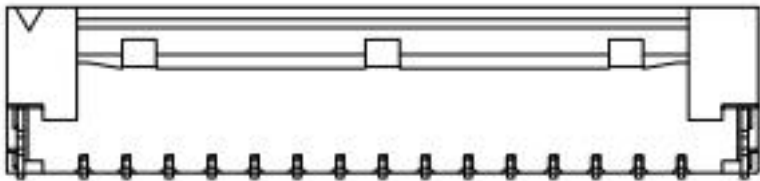


Ordering Information  
A12522M-XXX-02-XD  
1 2 3 4 5 6

- 1:— Series No.
- 2:— M:SMT Type
- 3:— No. of Positions
- 4:— A:Gold Flash  
Q:Tin Plated  
M:15u" Gold on contact;Tin on tail  
A2:30u" Gold on contact;Tin on tail
- 5:— Color:  
N:Natural  
B:Black  
BL:Bule  
LY:Lemon yellow  
TR:Tomato red  
DPK:Dark pink  
OR:Oreng  
LE:light blue  
MG:Moss green
- 6:— D:In Tape&Reel



Recommended PCB Layout



2x8P~2x20P

| Poles | Dimensions (mm) |       |       |
|-------|-----------------|-------|-------|
|       | A               | B     | C     |
| 10P   | 5.00            | 9.50  | 7.70  |
| 12P   | 6.25            | 10.75 | 8.95  |
| 14P   | 7.50            | 12.00 | 10.20 |
| 16P   | 8.75            | 13.25 | 11.45 |
| 18P   | 10.00           | 14.50 | 12.70 |
| 20P   | 11.25           | 15.75 | 13.95 |
| 22P   | 12.50           | 17.00 | 15.20 |
| 24P   | 13.75           | 18.25 | 16.45 |
| 26P   | 15.00           | 19.50 | 17.70 |
| 28P   | 16.25           | 20.75 | 18.95 |
| 30P   | 17.50           | 22.00 | 20.20 |
| 32P   | 18.75           | 23.25 | 21.45 |
| 34P   | 20.00           | 24.50 | 22.70 |
| 36P   | 21.25           | 25.75 | 23.95 |
| 38P   | 22.50           | 27.00 | 25.20 |
| 40P   | 23.75           | 28.25 | 26.45 |

**.049" (1.25mm) Pitch SMT Wafer**

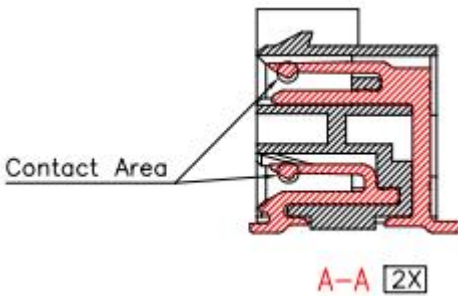
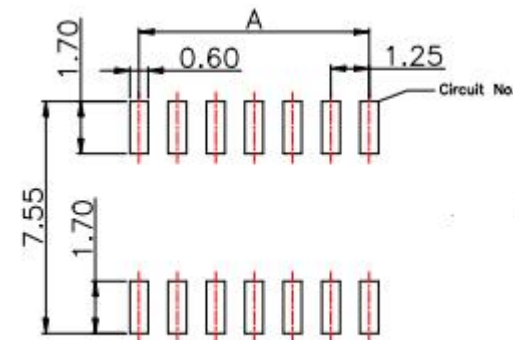
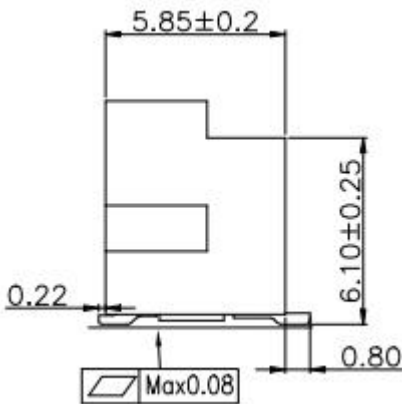
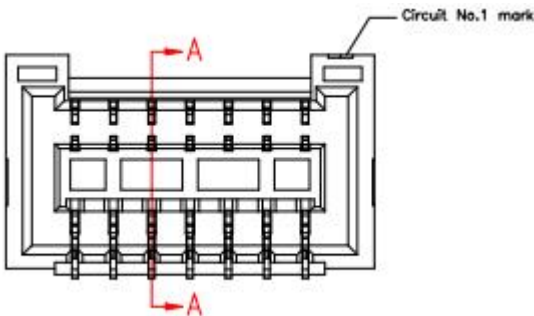
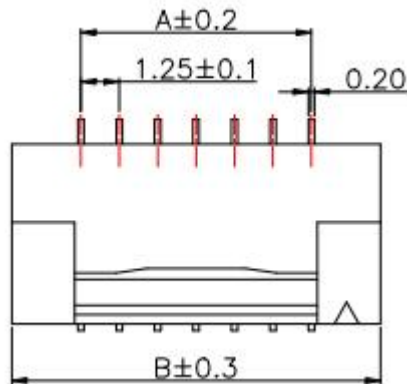
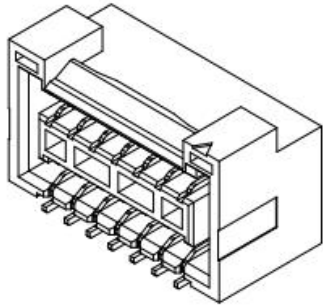
Specifications:  
Material And Finish:  
Insulator:PA9T UL94V-0 Color:Natural  
Contact:Phosphorous bronze  
Plated:See Ordering Information

Rating:  
Current Rating:1.0 Amp  
Voltage Rating:125V AC/DC  
Operating Temperature Range:-40°~+125°C

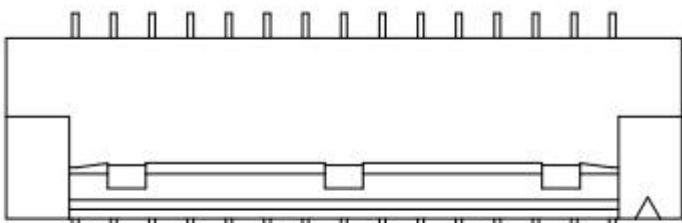
Electrical:  
Contact resistance:20m Ohm Max  
Insulator resistance:100M ohm min.  
Withstanding Voltage:500V AC/Minute

Ordering Information  
A12522H-XXX-02-X  
1 2 3 4 5

- 1:— Series No.
- 2:— H:Horizontal SMT Type
- 3:— No. of Positions
- 4:— A:Gold Flash  
Q:Tin Plated  
C:5u" Gold on contact;Gold flash on tail
- 5:— A:In bag  
B:In Tube  
C:In Tray  
D:In Tape&Reel



Recommended PCB Layout



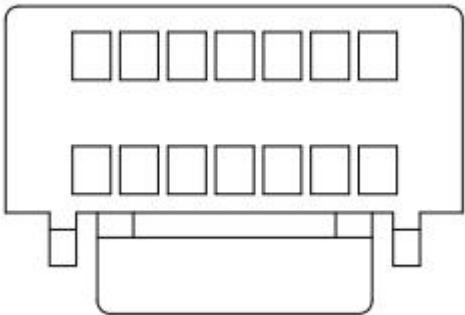
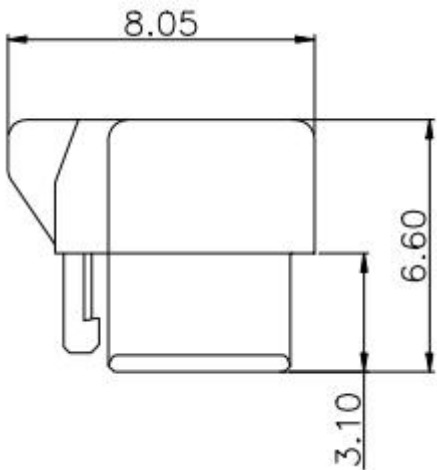
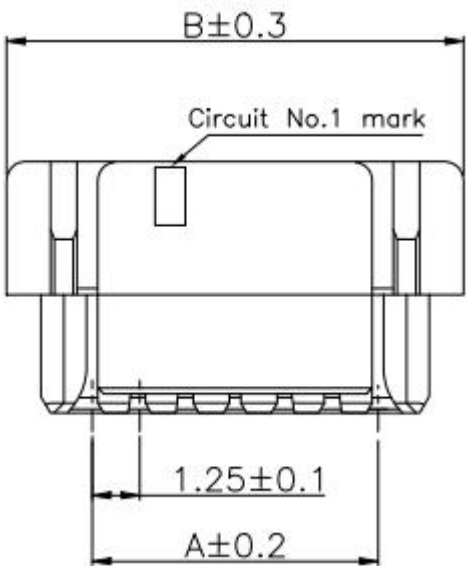
<2x8~2x20>

| Circuits | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 10       | 5.00       | 9.50  |
| 12       | 6.25       | 10.75 |
| 14       | 7.50       | 12.00 |
| 16       | 8.75       | 13.25 |
| 18       | 10.00      | 14.50 |
| 20       | 11.25      | 15.75 |
| 22       | 12.50      | 17.00 |
| 24       | 13.75      | 18.25 |
| 26       | 15.00      | 19.50 |
| 28       | 16.25      | 20.75 |
| 30       | 17.50      | 22.00 |
| 32       | 18.75      | 23.25 |
| 34       | 20.00      | 24.50 |
| 36       | 21.25      | 25.75 |
| 38       | 22.50      | 27.00 |
| 40       | 23.75      | 28.25 |

.049" (1.25mm) Pitch Housing

Specifications:  
Material And Finish:  
Insulator:PA66 UL94V-0 Color:Natural

Rating:  
Voltage Rating:125V AC/DC  
Operating Temperature Range:-40~+105°C



Ordering Information  
H12522-XXP-02-A  
1 2 3

- 1: — Series No.
- 2: — No. of Positions
- 3: — A:In bag

| Circuits | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 10       | 5.00       | 9.50  |
| 12       | 6.25       | 10.75 |
| 14       | 7.50       | 12.00 |
| 16       | 8.75       | 13.25 |
| 18       | 10.00      | 14.50 |
| 20       | 11.25      | 15.75 |
| 22       | 12.50      | 17.00 |
| 24       | 13.75      | 18.25 |
| 26       | 15.00      | 19.50 |
| 28       | 16.25      | 20.75 |
| 30       | 17.50      | 22.00 |
| 32       | 18.75      | 23.25 |
| 34       | 20.00      | 24.50 |
| 36       | 21.25      | 25.75 |
| 38       | 22.50      | 27.00 |
| 40       | 23.75      | 28.25 |

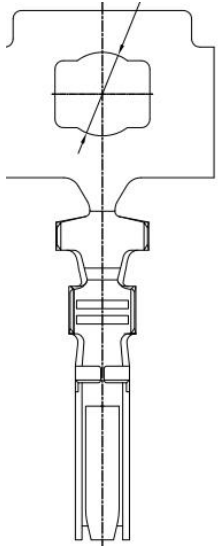
**.049" (1.25mm) Pitch Terminal**

**Ordering Information**

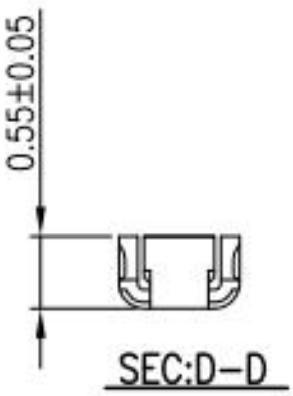
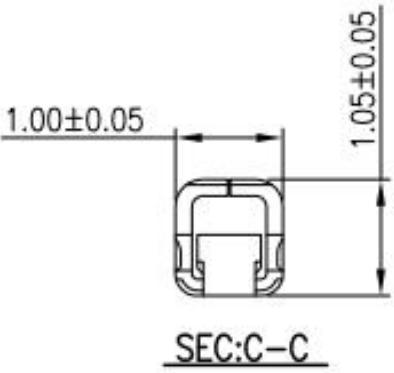
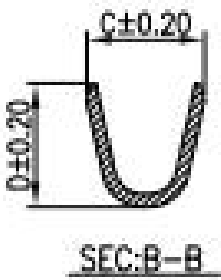
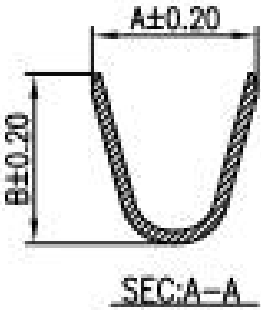
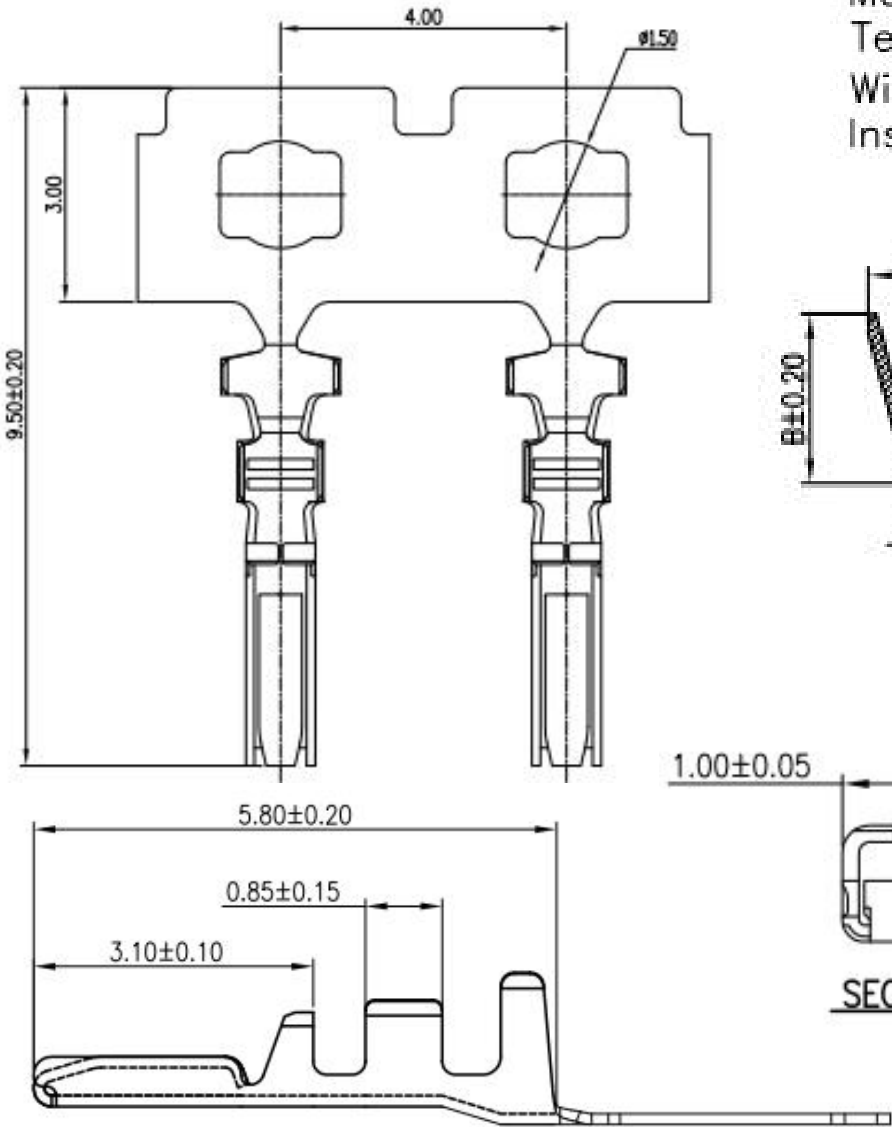
**H12522T-PX-XX**

1 2 3 4

- 1: — Series No.
- 2: — T:Terminal
- 3: — Plated:  
GN:Gold flash on contact;Nickel Plated  
Q:Tin Plated
- 4: — Wire Range:  
01: AWG#28~32  
02: AWG#26~30



Material:  
Terminal:Phosphor Bronze  
Wire Range:AWG#26~32  
Insulation O.D.: 0.4~1.0mm



| Type | Wire Range | Insulation O.D | Dim A | Dim B | Dim C | Dim D |
|------|------------|----------------|-------|-------|-------|-------|
| 01   | AWG#28-#32 | 0.4 to 0.8mm   | 1.40  | 1.45  | 1.10  | 0.90  |
| 02   | AWG#26-#30 | 0.76 to 1.0mm  | 1.60  | 1.65  | 1.15  | 1.20  |