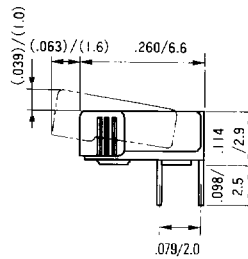
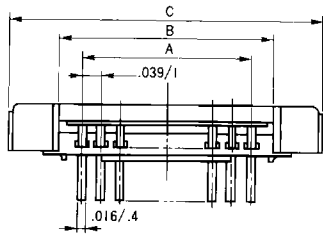
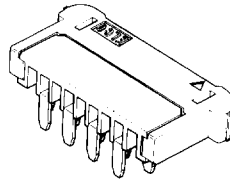
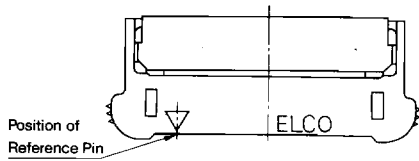


# 1,00 mm Spacing

# SERIES 6200

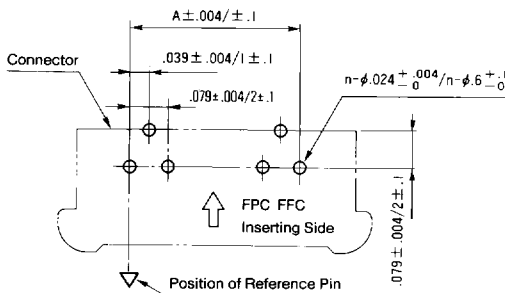
## Through-Hole Right Angle ZIF

TYPE 012



**Specifications:**

- Number of Contacts - 5-30
- Tray Packaged
- Current Rating - 1.0 amp max.
- Voltage - 50 V
- Dielectric Withstanding Voltage - 500 V RMS min.
- Operating Temperature - (-20°C ~ +85°C)
- Contact Material - phosphor bronze (tin-lead plated)
- Insulator & Slider Material - PPS, brown color (UL 94 V-O)
- Profile Height - 2,90 mm (.114")
- FFC / FPC Thickness - 0,3±0,05 mm (.012±.002")
- PCB Thickness - 0,8 ~ 1,2 mm (.031 ~ .047")



Mounting Hole Pattern (Connector Mounting Side)  
Recommended P.C.Board Thickness (-1.047/1.2)

| No. of Pos. | A          | B          | C           |
|-------------|------------|------------|-------------|
| 5           | .157/ 4.0  | .252/ 6.4  | .451/11.45  |
| 6           | .197/ 5.0  | .291/ 7.4  | .490/12.45  |
| 7           | .236/ 6.0  | .330/ 8.4  | .530/13.45  |
| 8           | .276/ 7.0  | .370/ 9.4  | .569/14.45  |
| 9           | .315/ 8.0  | .409/10.4  | .608/15.45  |
| 10          | .354/ 9.0  | .449/11.4  | .648/16.45  |
| 11          | .394/10.0  | .488/12.4  | .687/17.45  |
| 12          | .433/11.0  | .528/13.4  | .726/18.45  |
| 13          | .472/12.0  | .567/14.4  | .766/19.45  |
| 14          | .512/13.0  | .606/15.4  | .805/20.45  |
| 15          | .551/14.0  | .646/16.4  | .844/21.45  |
| 16          | .591/15.0  | .685/17.4  | .884/22.45  |
| 17          | .630/16.0  | .724/18.4  | .923/23.45  |
| 18          | .669/17.0  | .764/19.4  | .963/24.45  |
| 19          | .709/18.0  | .803/20.4  | 1.002/25.45 |
| 20          | .748/19.0  | .843/21.4  | 1.041/26.45 |
| 21          | .787/20.0  | .882/22.4  | 1.081/27.45 |
| 22          | .827/21.0  | .921/23.4  | 1.120/28.45 |
| 23          | .866/22.0  | .961/24.4  | 1.159/29.45 |
| 24          | .906/23.0  | 1.000/25.4 | 1.199/30.45 |
| 25          | .945/24.0  | 1.039/26.4 | 1.238/31.45 |
| 26          | .984/25.0  | 1.079/27.4 | 1.278/32.45 |
| 27          | 1.024/26.0 | 1.118/28.4 | 1.317/33.45 |
| 28          | 1.063/27.0 | 1.157/29.4 | 1.356/34.45 |
| 29          | 1.102/28.0 | 1.197/30.4 | 1.396/35.45 |
| 30          | 1.142/29.0 | 1.236/31.4 | 1.435/36.45 |

Dimensions inches/mm

### ORDERING CODE

Typical Example

**00 6200 057 012 800**

### TRAY PACKAGING FLEX TYPE

- 00: Standard FFC/FPC Flex
- 05: Carbon Paste-Membrane Flex

### NUMBER OF CONTACTS

5 ~ 30

### VARIATION CODE

012: Plated Thru-Hole Type

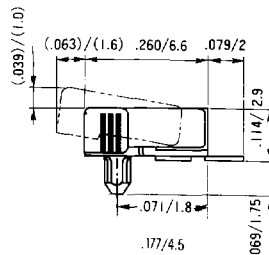
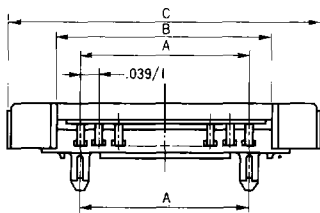
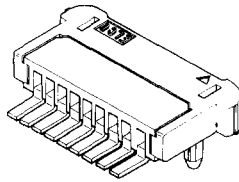
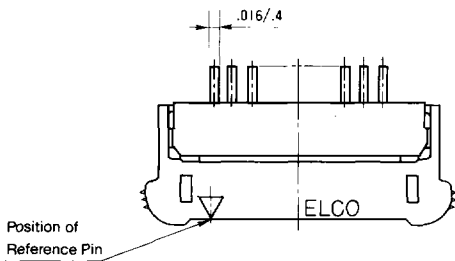
Note: Drawings are in inches/millimeters.

# 1,00 mm Spacing

# SERIES 6200

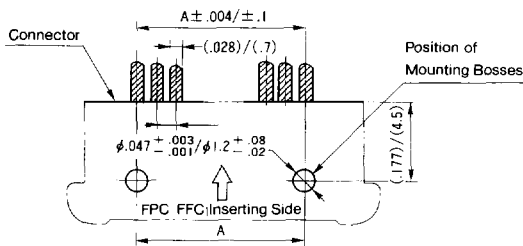
## Surface Mount with Boss Right Angle ZIF

TYPE 022



**Specifications:**

- Number of Contacts - 5-30
- Tray Packaged
- Current Rating - 1.0 amp max.
- Voltage - 50 V
- Dielectric Withstanding Voltage - 500 V RMS min.
- Operating Temperature - (-20°C ~ +85°C)
- Contact Material - phosphor bronze (tin-lead plated)
- Insulator & Slider Material -PPS, brown color (UL 94 V-O)
- Profile Height - 2,90 mm (.114")
- FFC / FPC Thickness - 0,3±0,05 mm (.012±.002")



Mounting Hole Pattern (Connector Mounting Side)  
Recommended P.C. Board Thickness (-t.047/1.2)

| No. of Pos. | A          | B          | C           |
|-------------|------------|------------|-------------|
| 5           | .157/ 4.0  | .252/ 6.4  | .451/11.45  |
| 6           | .197/ 5.0  | .291/ 7.4  | .490/12.45  |
| 7           | .236/ 6.0  | .330/ 8.4  | .530/13.45  |
| 8           | .276/ 7.0  | .370/ 9.4  | .569/14.45  |
| 9           | .315/ 8.0  | .409/10.4  | .608/15.45  |
| 10          | .354/ 9.0  | .449/11.4  | .648/16.45  |
| 11          | .394/10.0  | .488/12.4  | .687/17.45  |
| 12          | .433/11.0  | .528/13.4  | .726/18.45  |
| 13          | .472/12.0  | .567/14.4  | .766/19.45  |
| 14          | .512/13.0  | .606/15.4  | .805/20.45  |
| 15          | .551/14.0  | .646/16.4  | .844/21.45  |
| 16          | .591/15.0  | .685/17.4  | .884/22.45  |
| 17          | .630/16.0  | .724/18.4  | .923/23.45  |
| 18          | .669/17.0  | .764/19.4  | .963/24.45  |
| 19          | .709/18.0  | .803/20.4  | 1.002/25.45 |
| 20          | .748/19.0  | .843/21.4  | 1.041/26.45 |
| 21          | .787/20.0  | .882/22.4  | 1.081/27.45 |
| 22          | .827/21.0  | .921/23.4  | 1.120/28.45 |
| 23          | .866/22.0  | .961/24.4  | 1.159/29.45 |
| 24          | .906/23.0  | 1.000/25.4 | 1.199/30.45 |
| 25          | .945/24.0  | 1.039/26.4 | 1.238/31.45 |
| 26          | .984/25.0  | 1.079/27.4 | 1.278/32.45 |
| 27          | 1.024/26.0 | 1.118/28.4 | 1.317/33.45 |
| 28          | 1.063/27.0 | 1.157/29.4 | 1.356/34.45 |
| 29          | 1.102/28.0 | 1.197/30.4 | 1.396/35.45 |
| 30          | 1.142/29.0 | 1.236/31.4 | 1.435/36.45 |

Dimensions inches/mm

Note: for recommended flex layout, see page 15.

### ORDERING CODE

Typical Example

**00 6200 057 022 800**

### TRAY PACKAGING FLEX TYPE

- 00: Standard FFC/FPC Flex
- 05: Carbon Paste-Membrane Flex

### NUMBER OF CONTACTS

5 ~ 30

### VARIATION CODE

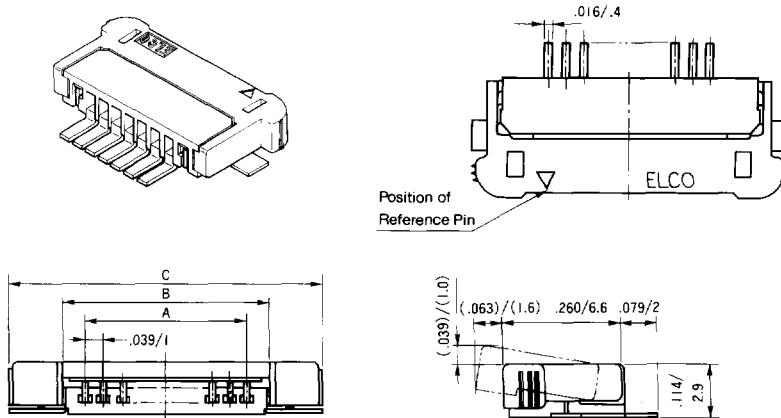
022: SMT With Boss

# 1,00 mm Spacing

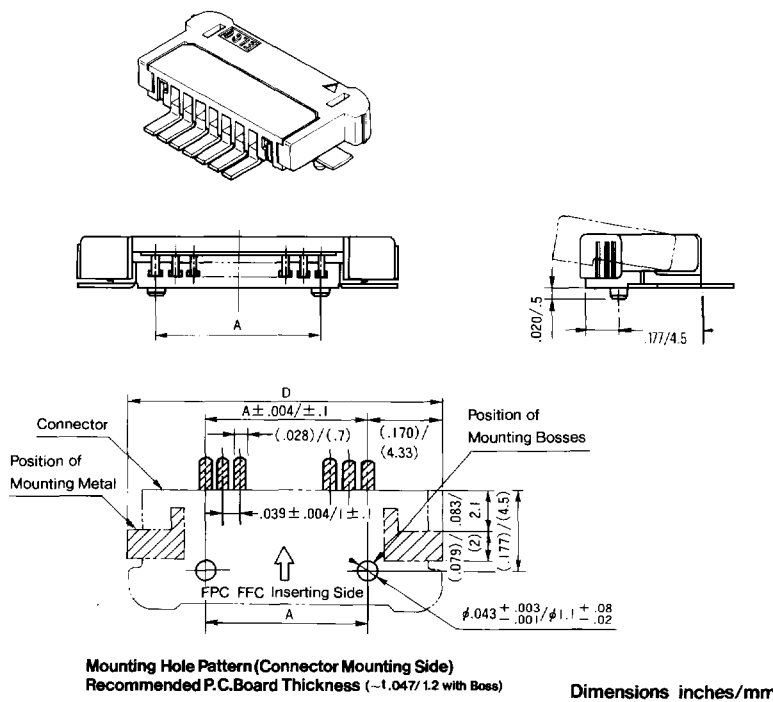
# SERIES 6200

## Surface Mount with Tabs or Tabs & Bosses Right Angle ZIF

SMT with Mounting Metal (L-Type) TYPE 032



SMT with Mounting Metal (L-Type)/Boss TYPE 052



**Specifications:**

- Number of Contacts - 5-30
- SMT with Tabs: 1000 Connectors per Tape & Reel
- SMT with Tabs & Bosses: Tray Packaging-varies according to number of positions
- Voltage - 50 V
- Current Rating - 1.0 amp max.
- Dielectric Withstanding Voltage - 500 V RMS min.
- Operating Temperature - (-20°C ~ +85°C)
- Contact & Tab Material - phosphor bronze (tin-lead plated)
- Insulator & Slider Material -PPS, brown color (UL 94 V-O)
- Profile Height - 2,90 mm (.114")
- FFC / FPC Thickness - 0,3±0,05 mm (.012±.002")

| No. of Pos. | A          | B          | C           | D           |
|-------------|------------|------------|-------------|-------------|
| 5           | .157/ 4.0  | .252/ 6.4  | .482/12.25  | .498/12.65  |
| 6           | .197/ 5.0  | .291/ 7.4  | .522/13.25  | .537/13.65  |
| 7           | .236/ 6.0  | .330/ 8.4  | .561/14.25  | .577/14.65  |
| 8           | .276/ 7.0  | .370/ 9.4  | .600/15.25  | .616/15.65  |
| 9           | .315/ 8.0  | .409/10.4  | .640/16.25  | .656/16.65  |
| 10          | .354/ 9.0  | .449/11.4  | .679/17.25  | .695/17.65  |
| 11          | .394/10.0  | .488/12.4  | .719/18.25  | .734/18.65  |
| 12          | .433/11.0  | .528/13.4  | .758/19.25  | .774/19.65  |
| 13          | .472/12.0  | .567/14.4  | .797/20.25  | .813/20.65  |
| 14          | .512/13.0  | .606/15.4  | .837/21.25  | .852/21.65  |
| 15          | .551/14.0  | .646/16.4  | .876/22.25  | .892/22.65  |
| 16          | .591/15.0  | .685/17.4  | .915/23.25  | .931/23.65  |
| 17          | .630/16.0  | .724/18.4  | .955/24.25  | .970/24.65  |
| 18          | .669/17.0  | .764/19.4  | .994/25.25  | 1.010/25.65 |
| 19          | .709/18.0  | .803/20.4  | 1.033/26.25 | 1.049/26.65 |
| 20          | .748/19.0  | .843/21.4  | 1.073/27.25 | 1.089/27.65 |
| 21          | .787/20.0  | .882/22.4  | 1.112/28.25 | 1.128/28.65 |
| 22          | .827/21.0  | .921/23.4  | 1.152/29.25 | 1.167/29.65 |
| 23          | .866/22.0  | .961/24.4  | 1.191/30.25 | 1.207/30.65 |
| 24          | .906/23.0  | 1.000/25.4 | 1.230/31.25 | 1.246/31.65 |
| 25          | .945/24.0  | 1.039/26.4 | 1.270/32.25 | 1.285/32.65 |
| 26          | .984/25.0  | 1.079/27.4 | 1.309/33.25 | 1.325/33.65 |
| 27          | 1.024/26.0 | 1.118/28.4 | 1.348/34.25 | 1.364/34.65 |
| 28          | 1.063/27.0 | 1.157/29.4 | 1.388/35.25 | 1.404/35.65 |
| 29          | 1.102/28.0 | 1.197/30.4 | 1.427/36.25 | 1.443/36.65 |
| 30          | 1.142/29.0 | 1.236/31.4 | 1.467/37.25 | 1.482/37.65 |

### ORDERING CODE

Typical Example 00 6200 057 032 800

### TRAY PACKAGING FLEX TYPE

- 00: Standard FFC/FPC Flex
- 05: Carbon Paste-Membrane Flex

### NUMBER OF CONTACTS

5~30

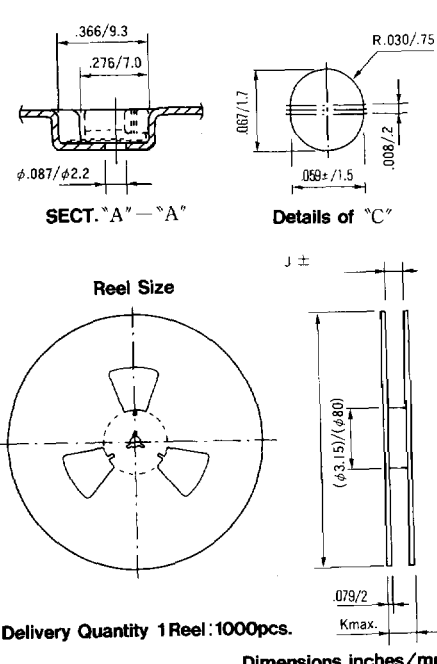
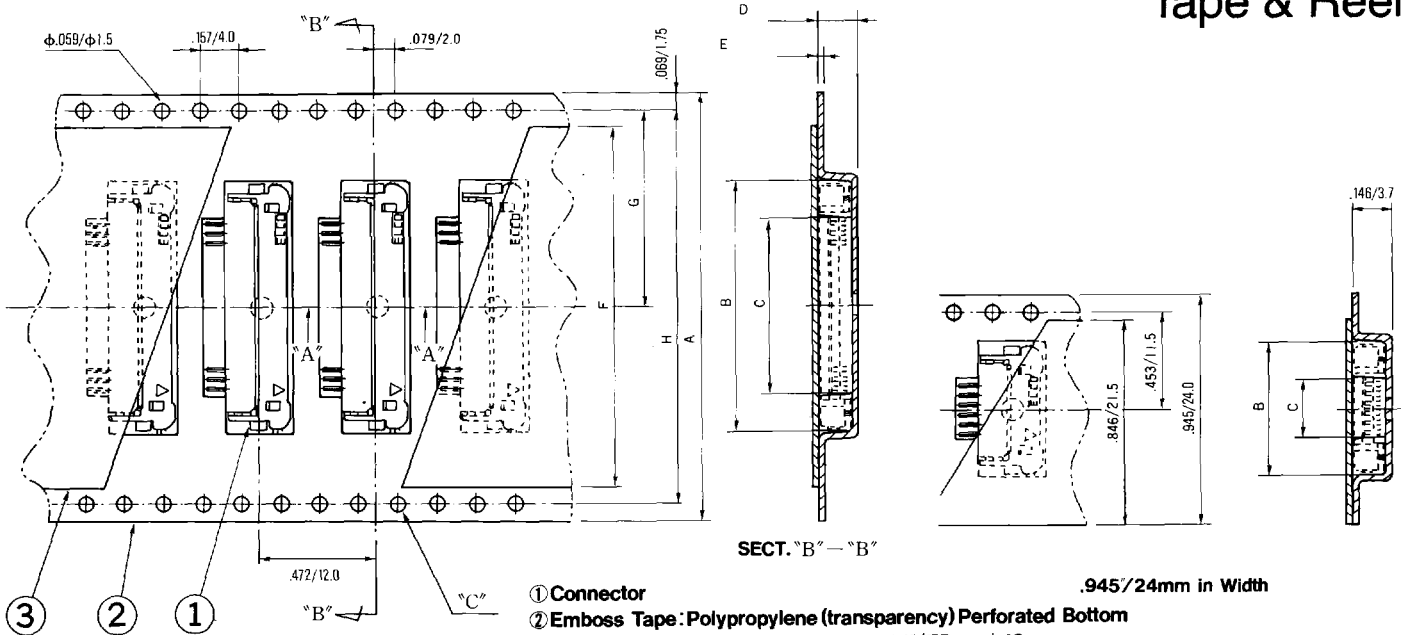
### VARIATION CODE

- 032: SMT With Mounting Metal Tab (L-Type)/Tape and Reel Pack only  
see page 14 for ordering code for Tape and Reel
- 052: SMT with Mounting Metal Tab (L-Type)/Boss/Tray Pack

# 1,00 mm Spacing

# SERIES 6200

## Tape & Reel



| No. of Pos. | A Tape Width | Tape Width Variation No. | B          | C          | D        | E      | F          | G          | H          | J          | K          |
|-------------|--------------|--------------------------|------------|------------|----------|--------|------------|------------|------------|------------|------------|
| 05          | .945/24.0    | 1                        | .500/12.7  | .197/ 5.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 06          | .945/24.0    | 1                        | .539/13.7  | .236/ 6.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 07          | .945/24.0    | 1                        | .579/14.7  | .276/ 7.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 08          | .945/24.0    | 1                        | .618/15.7  | .315/ 8.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 09          | .945/24.0    | 1                        | .657/16.7  | .354/ 9.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 10          | .945/24.0    | 1                        | .697/17.7  | .394/10.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 11          | .945/24.0    | 1                        | .736/18.7  | .433/11.0  | .146/3.7 | .020/5 | .846/21.5  | .453/11.5  |            | .961/24.4  | 1.197/30.4 |
| 12          | 1.260/32.0   | 2                        | .776/19.7  | .472/12.0  | .146/3.7 | .020/5 | 1.024/26.0 | .559/14.2  | 1.118/28.4 | 1.276/32.4 | 1.512/38.4 |
| 13          | 1.260/32.0   | 2                        | .815/20.7  | .512/13.0  | .146/3.7 | .020/5 | 1.024/26.0 | .559/14.2  | 1.118/28.4 | 1.276/32.4 | 1.512/38.4 |
| 14          | 1.260/32.0   | 2                        | .854/21.7  | .551/14.0  | .146/3.7 | .020/5 | 1.024/26.0 | .559/14.2  | 1.118/28.4 | 1.276/32.4 | 1.512/38.4 |
| 15          | 1.260/32.0   | 2                        | .894/22.7  | .591/15.0  | .146/3.7 | .020/5 | 1.024/26.0 | .559/14.2  | 1.118/28.4 | 1.276/32.4 | 1.512/38.4 |
| 16          | 1.260/32.0   | 2                        | .933/23.7  | .630/16.0  | .146/3.7 | .020/5 | 1.024/26.0 | .559/14.2  | 1.118/28.4 | 1.276/32.4 | 1.512/38.4 |
| 17          | 1.732/44.0   | 3                        | .972/24.7  | .669/17.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 18          | 1.732/44.0   | 3                        | 1.012/25.7 | .709/18.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 19          | 1.732/44.0   | 3                        | 1.051/26.7 | .748/19.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 20          | 1.732/44.0   | 3                        | 1.091/27.7 | .787/20.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 21          | 1.732/44.0   | 3                        | 1.130/28.7 | .827/21.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 22          | 1.732/44.0   | 3                        | 1.169/29.7 | .866/22.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 23          | 1.732/44.0   | 3                        | 1.209/30.7 | .906/23.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 24          | 1.732/44.0   | 3                        | 1.248/31.7 | .945/24.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 25          | 1.732/44.0   | 3                        | 1.287/32.7 | .984/25.0  | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 26          | 1.732/44.0   | 3                        | 1.327/33.7 | 1.024/26.0 | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 27          | 1.732/44.0   | 3                        | 1.366/34.7 | 1.063/27.0 | .146/3.7 | .020/5 | 1.457/37.0 | .795/20.2  | 1.591/40.4 | 1.748/44.4 | 1.984/50.4 |
| 28          | 2.205/56.0   | 4                        | 1.406/35.7 | 1.102/28.0 | .150/3.8 | .024/6 | 1.929/49.0 | 1.032/26.2 | 2.063/52.4 | 2.221/56.4 | 2.457/62.4 |
| 29          | 2.205/56.0   | 4                        | 1.445/36.7 | 1.142/29.0 | .150/3.8 | .024/6 | 1.929/49.0 | 1.032/26.2 | 2.063/52.4 | 2.221/56.4 | 2.457/62.4 |
| 30          | 2.205/56.0   | 4                        | 1.484/37.7 | 1.181/30.0 | .150/3.8 | .024/6 | 1.929/49.0 | 1.032/26.2 | 2.063/52.4 | 2.221/56.4 | 2.457/62.4 |

### ORDERING CODE

Typical Example **00 6200 505 130 000**

### TAPE AND REEL PACKAGING

1000 per Reel

### NUMBER OF CONTACTS

5 ~ 30

### VARIATION CODE

1: .945"/24mm 2: 1.260"/32mm 3: 1.732"/44mm 4: 2.205"/56mm

### FLEX TYPE

3: Standard FFC/FPC Flex 5: Carbon Paste for Membrane Flex

Note: Drawings are in inches/millimeters.