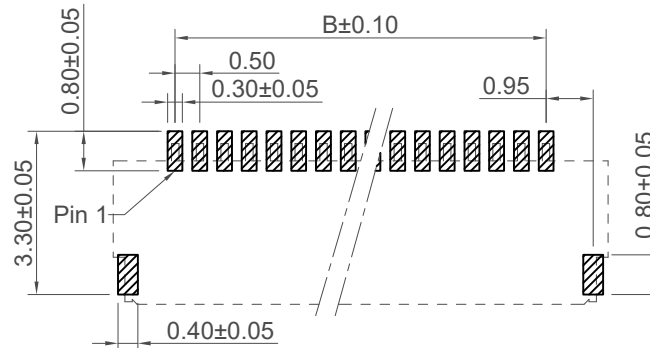
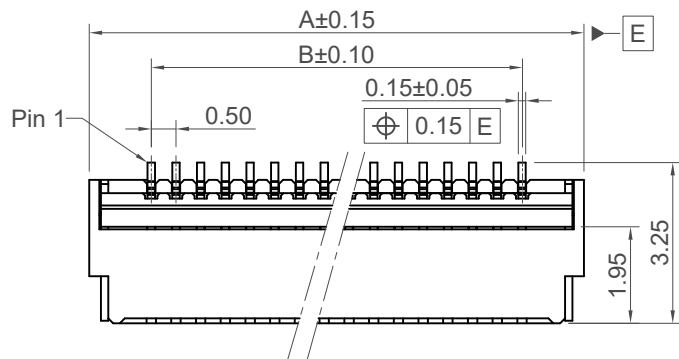
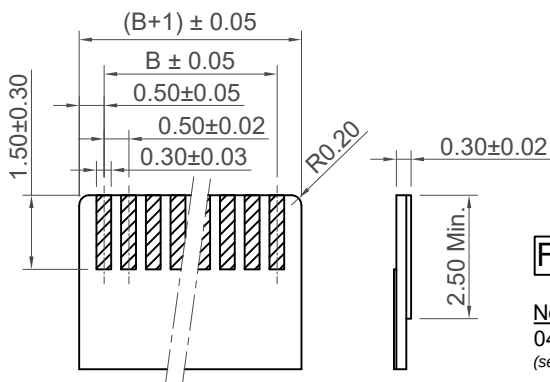
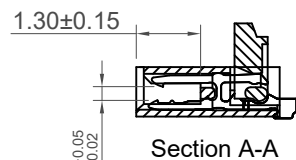
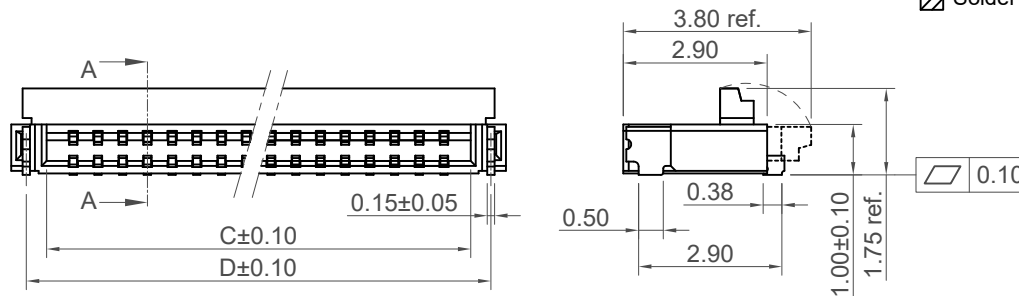


**Recommended PCB Layout**  
As viewed from component side

▨ Solder Area □ Component Outline



**Recommended FFC/FPC Dimensions**

**Ordering Grid**

FFC2B28-XX-G Request samples and quotation

No. of Contacts  
04 - 40  
(see dimension table)

Contact Plating  
G = Gold Flash over all

## Specifications

### Material

Housing: LCP, UL 94V-0, Natural  
Actuator: LCP, UL 94V-0, Black  
Contact: Phosphor Bronze  
Fitting Nail: Phosphor Bronze

### Plating

Contact: Gold Flash over all  
Fitting Nail: Matte Tin Plating over Nickel

### Electrical

Voltage Rating: 30V AC/DC  
Current Rating : 0.4A AC/DC (40 contacts powered)  
Dielectric Strength: 250V AC for 1 minute  
Insulation Resistance: 50 MΩ Min.  
Contact Resistance: 40 mΩ Max.

### Mechanical & Environmental

Durability: 20 Cycles  
Operating Temperature: -25°C to +85°C  
Solder Profile:  
Peak Temp 260°C (+0/-5°C) max. (5 seconds)

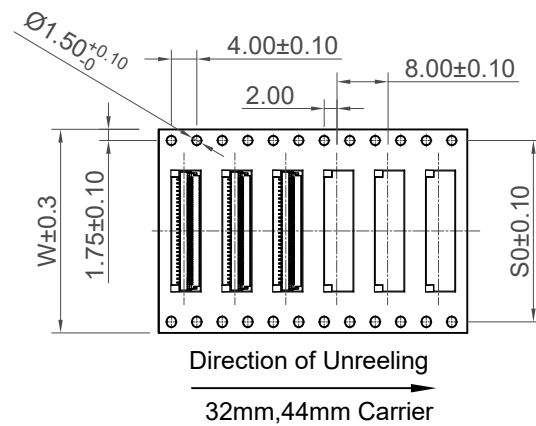
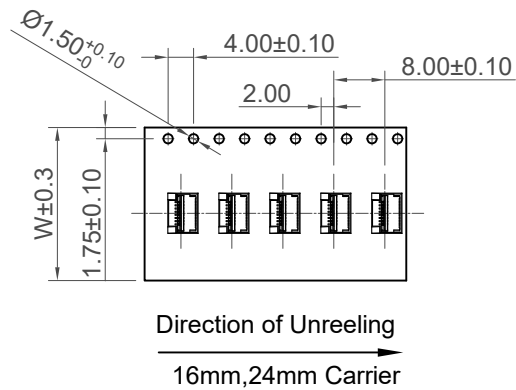
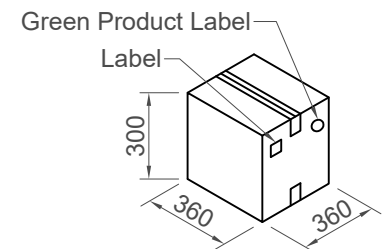
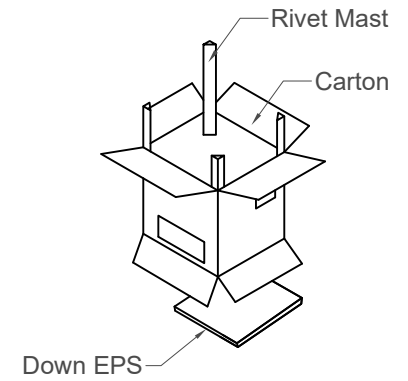
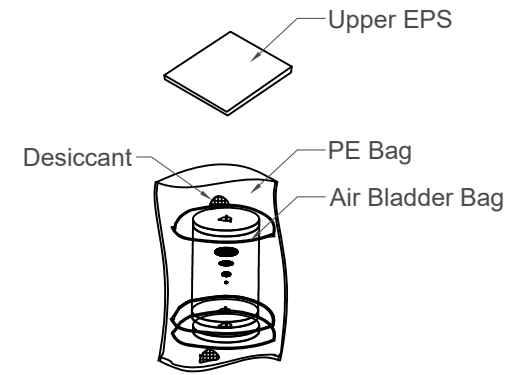
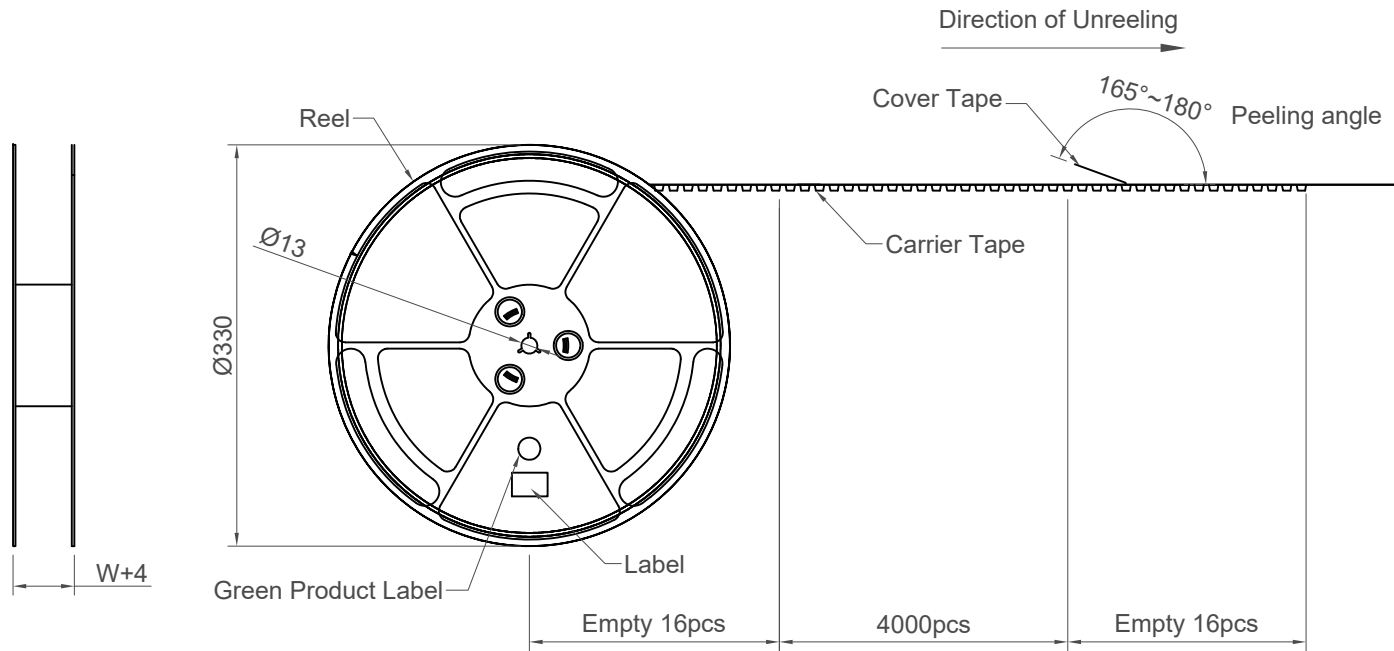
| No. of Contacts | Dimensions |       |       |       |
|-----------------|------------|-------|-------|-------|
|                 | A          | B     | C     | D     |
| * 4             | 4.00       | 1.50  | 2.57  | 3.39  |
| * 5             | 4.50       | 2.00  | 3.07  | 3.89  |
| * 6             | 5.00       | 2.50  | 3.57  | 4.39  |
| 7               | 5.50       | 3.00  | 4.07  | 4.89  |
| * 8             | 6.00       | 3.50  | 4.57  | 5.39  |
| 9               | 6.50       | 4.00  | 5.07  | 5.89  |
| * 10            | 7.00       | 4.50  | 5.57  | 6.39  |
| 11              | 7.50       | 5.00  | 6.07  | 6.89  |
| * 12            | 8.00       | 5.50  | 6.57  | 7.39  |
| 13              | 8.50       | 6.00  | 7.07  | 7.89  |
| * 14            | 9.00       | 6.50  | 7.57  | 8.39  |
| 15              | 9.50       | 7.00  | 8.07  | 8.89  |
| * 16            | 10.00      | 7.50  | 8.57  | 9.39  |
| 17              | 10.50      | 8.00  | 9.07  | 9.89  |
| * 18            | 11.00      | 8.50  | 9.57  | 10.39 |
| 19              | 11.50      | 9.00  | 10.07 | 10.89 |
| * 20            | 12.00      | 9.50  | 10.57 | 11.39 |
| 21              | 12.50      | 10.00 | 11.07 | 11.89 |
| * 22            | 13.00      | 10.50 | 11.57 | 12.39 |
| 23              | 13.50      | 11.00 | 12.07 | 12.89 |
| * 24            | 14.00      | 11.50 | 12.57 | 13.39 |
| 25              | 14.50      | 12.00 | 13.07 | 13.89 |
| * 26            | 15.00      | 12.50 | 13.57 | 14.39 |
| 27              | 15.50      | 13.00 | 14.07 | 14.89 |
| * 28            | 16.00      | 13.50 | 14.57 | 15.39 |
| 29              | 16.50      | 14.00 | 15.07 | 15.89 |
| * 30            | 17.00      | 14.50 | 15.57 | 16.39 |
| 31              | 17.50      | 15.00 | 16.07 | 16.89 |
| * 32            | 18.00      | 15.50 | 16.57 | 17.39 |
| 33              | 18.50      | 16.00 | 17.07 | 17.89 |
| * 34            | 19.00      | 16.50 | 17.57 | 18.39 |
| 35              | 19.50      | 17.00 | 18.07 | 18.89 |
| * 36            | 20.00      | 17.50 | 18.57 | 19.39 |
| 37              | 20.50      | 18.00 | 19.07 | 19.89 |
| * 38            | 21.00      | 18.50 | 19.57 | 20.39 |
| 39              | 21.50      | 19.00 | 20.07 | 20.89 |
| * 40            | 22.00      | 19.50 | 20.57 | 21.39 |

\* = Tooled Parts

Please contact GCT for non-tooled parts

|                     |                 |                                                                                       |                                                                                       |
|---------------------|-----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Part Number         |                 | Product Description                                                                   |                                                                                       |
| FFC2B28             |                 | FPC 0.5mm Pitch, Side Entry, Dual Contact,                                            |                                                                                       |
| Drawing Date        |                 | SMT, Height=1.0mm, Back Flip                                                          |                                                                                       |
| 12th September 2019 |                 |                                                                                       |                                                                                       |
| By                  | CC              | Tolerances (Except as Noted)<br>Length                                                | Angle                                                                                 |
| Detail              | Drawing Release | X.X ± 0.30                                                                            | X.X° ± 5°                                                                             |
| Revision            | A5              | X.XX ± 0.20                                                                           | X.XX° ± 2°                                                                            |
| Date                | 09/06/23        | X.XXX ± 0.10                                                                          | X.XXX° ± 1°                                                                           |
|                     |                 |  | 3rd Angle Projection                                                                  |
|                     |                 |  |                                                                                       |
|                     |                 |  | This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). |
|                     |                 |                                                                                       | This drawing must not be copied or disclosed without written consent. E & OE          |
|                     |                 |  |                                                                                       |
|                     |                 | www.gct.co                                                                            |                                                                                       |
| Not to Scale        |                 | Drawn By<br>CC                                                                        | Sheet No.<br>1/2                                                                      |

H  
G  
F  
E  
D  
C  
B  
A



| No. of Contacts | W  | S0   | Pcs/Reel | Reel/Carton | Pcs/Carton |
|-----------------|----|------|----------|-------------|------------|
| 4 ~ 14          | 16 | /    | 4000     | 14          | 56000      |
| 16 ~ 27         | 24 | /    | 4000     | 10          | 40000      |
| 28 ~ 39         | 32 | 28.4 | 4000     | 8           | 32000      |
| 40              | 44 | 40.4 | 4000     | 6           | 24000      |

|                     |                 |                                            |             |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
|---------------------|-----------------|--------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number         |                 | Product Description                        |             |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
| FFC2B28             |                 | FPC 0.5mm Pitch, Side Entry, Dual Contact, |             |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
| Drawing Date        |                 | SMT, Height=1.0mm, Back Flip               |             |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
| 12th September 2019 |                 |                                            |             |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
| By                  | CC              | Tolerances (Except as Noted)               |             | Units:                                                                                                                          | <div><div><div>C</div><div>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</div></div></div> |
| Detail              | Drawing Release | Length                                     | Angle       | Metric (mm)                                                                                                                     |                                                                                                                                                                                                                                                                                                          |
| Revision            | A5              | X.X ± 0.30                                 | X.X° ± 5°   | <div><div>3rd Angle Projection</div></div> |                                                                                                                                                                                                                                                                                                          |
| Date                | 09/06/23        | X.XX ± 0.20                                | X.XX° ± 2°  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |
|                     |                 | X.XXX ± 0.10                               | X.XXX° ± 1° |                                                                                                                                 |                                                                                                                                                                                                                                                                                                          |



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Not to Scale  
Drawn By CC  
Sheet No. 2/2

1 2 3 4 5 6 7 8

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