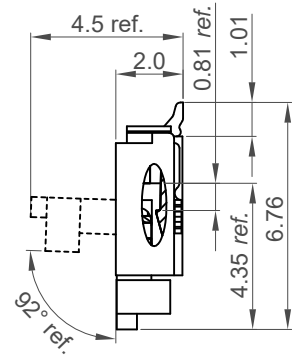
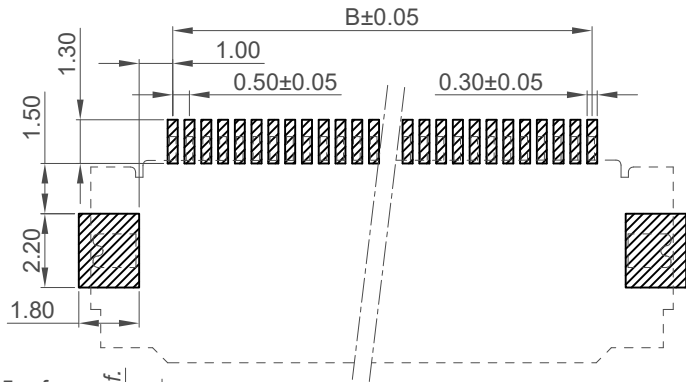
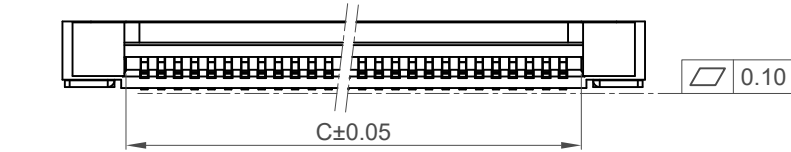
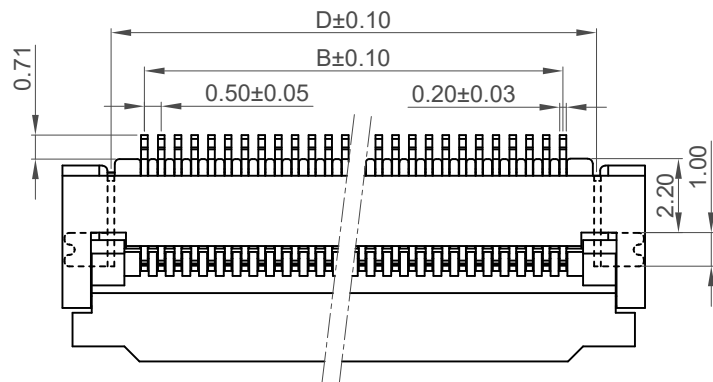
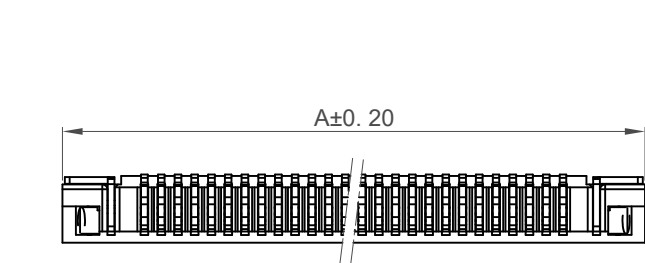
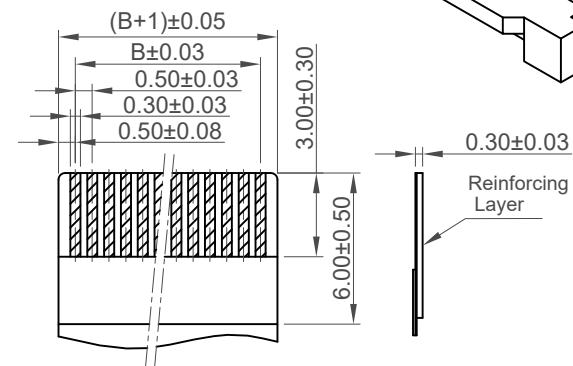
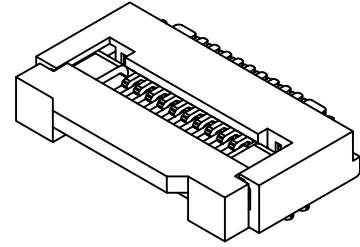


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G  
F  
E  
D  
C  
B  
A



**Recommended PCB Layout**  
General Tolerance  $\pm 0.05$   
■ Solder Area □ Component Outline



**Recommended FFC/FPC Dimensions**

Ordering Grid  
**FFC2B35** = XX = X  
No. of Contacts: 04 - 60 (see dimension table)  
Contact Plating: G = Gold Flash over all (Standard), T = Tin Plating over all  
Request Samples and Quotation  
Halogen Free

**Specification:**

**Material:**

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

**Plating:**

Contact: See Ordering Grid  
Fitting Nail: Matte Tin

**Electrical:**

Voltage Rating (Max.): 50V AC/DC  
Current Rating (Max.):  
0.4A AC/DC (60 contacts powered)  
0.5A AC/DC (40 contacts powered)  
Dielectric Strength: 250V AC for 1 minute  
Insulation Resistance: 50 MΩ Min.  
Contact Resistance: Initial: 30 mΩ Max.  
Final: 50 mΩ Max.

**Mechanical & Environmental**

Durability: 30 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             | 6.4        | 1.50  | 2.60  | 3.50  |
| * 5             | 6.9        | 2.00  | 3.10  | 4.00  |
| * 6             | 7.4        | 2.50  | 3.60  | 4.50  |
| * 7             | 7.9        | 3.00  | 4.10  | 5.00  |
| * 8             | 8.4        | 3.50  | 4.60  | 5.50  |
| * 9             | 8.9        | 4.00  | 5.10  | 6.00  |
| * 10            | 9.4        | 4.50  | 5.60  | 6.50  |
| * 11            | 9.9        | 5.00  | 6.10  | 7.00  |
| * 12            | 10.4       | 5.50  | 6.60  | 7.50  |
| * 13            | 10.9       | 6.00  | 7.10  | 8.00  |
| * 14            | 11.4       | 6.50  | 7.60  | 8.50  |
| * 15            | 11.9       | 7.00  | 8.10  | 9.00  |
| * 16            | 12.4       | 7.50  | 8.60  | 9.50  |
| * 17            | 12.9       | 8.00  | 9.10  | 10.00 |
| * 18            | 13.4       | 8.50  | 9.60  | 10.50 |
| * 19            | 13.9       | 9.00  | 10.10 | 11.00 |
| * 20            | 14.4       | 9.50  | 10.60 | 11.50 |
| * 21            | 14.9       | 10.00 | 11.10 | 12.00 |
| * 22            | 15.4       | 10.50 | 11.60 | 12.50 |
| * 23            | 15.9       | 11.00 | 12.10 | 13.00 |
| * 24            | 16.4       | 11.50 | 12.60 | 13.50 |
| * 25            | 16.9       | 12.00 | 13.10 | 14.00 |
| * 26            | 17.4       | 12.50 | 13.60 | 14.50 |
| * 27            | 17.9       | 13.00 | 14.10 | 15.00 |
| * 28            | 18.4       | 13.50 | 14.60 | 15.50 |
| * 29            | 18.9       | 14.00 | 15.10 | 16.00 |
| * 30            | 19.4       | 14.50 | 15.60 | 16.50 |
| * 31            | 19.9       | 15.00 | 16.10 | 17.00 |
| * 32            | 20.4       | 15.50 | 16.60 | 17.50 |
| * 33            | 20.9       | 16.00 | 17.10 | 18.00 |
| * 34            | 21.4       | 16.50 | 17.60 | 18.50 |
| * 35            | 21.9       | 17.00 | 18.10 | 19.00 |
| * 36            | 22.4       | 17.50 | 18.60 | 19.50 |
| * 37            | 22.9       | 18.00 | 19.10 | 20.00 |
| * 38            | 23.4       | 18.50 | 19.60 | 20.50 |
| * 39            | 23.9       | 19.00 | 20.10 | 21.00 |
| * 40            | 24.4       | 19.50 | 20.60 | 21.50 |
| * 41            | 24.9       | 20.00 | 21.10 | 22.00 |
| * 42            | 25.4       | 20.50 | 21.60 | 22.50 |
| * 43            | 25.9       | 21.00 | 22.10 | 23.00 |
| * 44            | 26.4       | 21.50 | 22.60 | 23.50 |
| * 45            | 26.9       | 22.00 | 23.10 | 24.00 |
| * 46            | 27.4       | 22.50 | 23.60 | 24.50 |
| * 47            | 27.9       | 23.00 | 24.10 | 25.00 |
| * 48            | 28.4       | 23.50 | 24.60 | 25.50 |
| * 49            | 28.9       | 24.00 | 25.10 | 26.00 |
| * 50            | 29.4       | 24.50 | 25.60 | 26.50 |
| * 51            | 29.9       | 25.00 | 26.10 | 27.00 |
| * 52            | 30.4       | 25.50 | 26.60 | 27.50 |
| * 53            | 30.9       | 26.00 | 27.10 | 28.00 |
| * 54            | 31.4       | 26.50 | 27.60 | 28.50 |
| * 55            | 31.9       | 27.00 | 28.10 | 29.00 |
| * 56            | 32.4       | 27.50 | 28.60 | 29.50 |
| * 57            | 32.9       | 28.00 | 29.10 | 30.00 |
| * 58            | 33.4       | 28.50 | 29.60 | 30.50 |
| * 59            | 33.9       | 29.00 | 30.10 | 31.00 |
| * 60            | 34.4       | 29.50 | 30.60 | 31.50 |

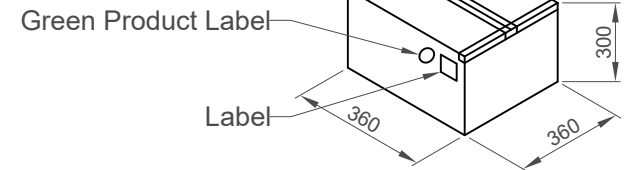
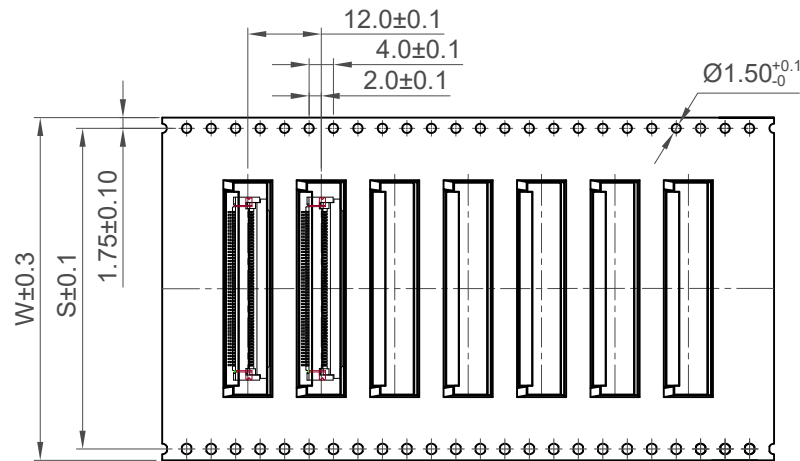
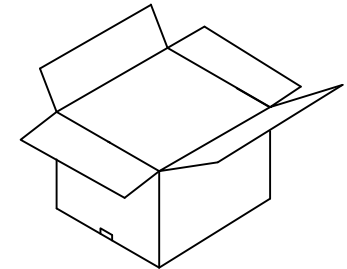
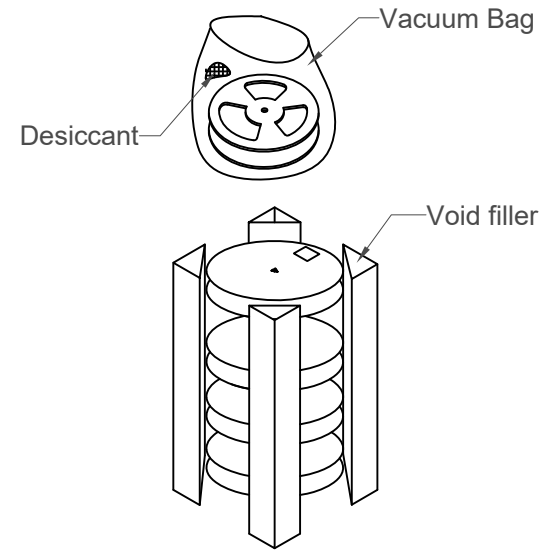
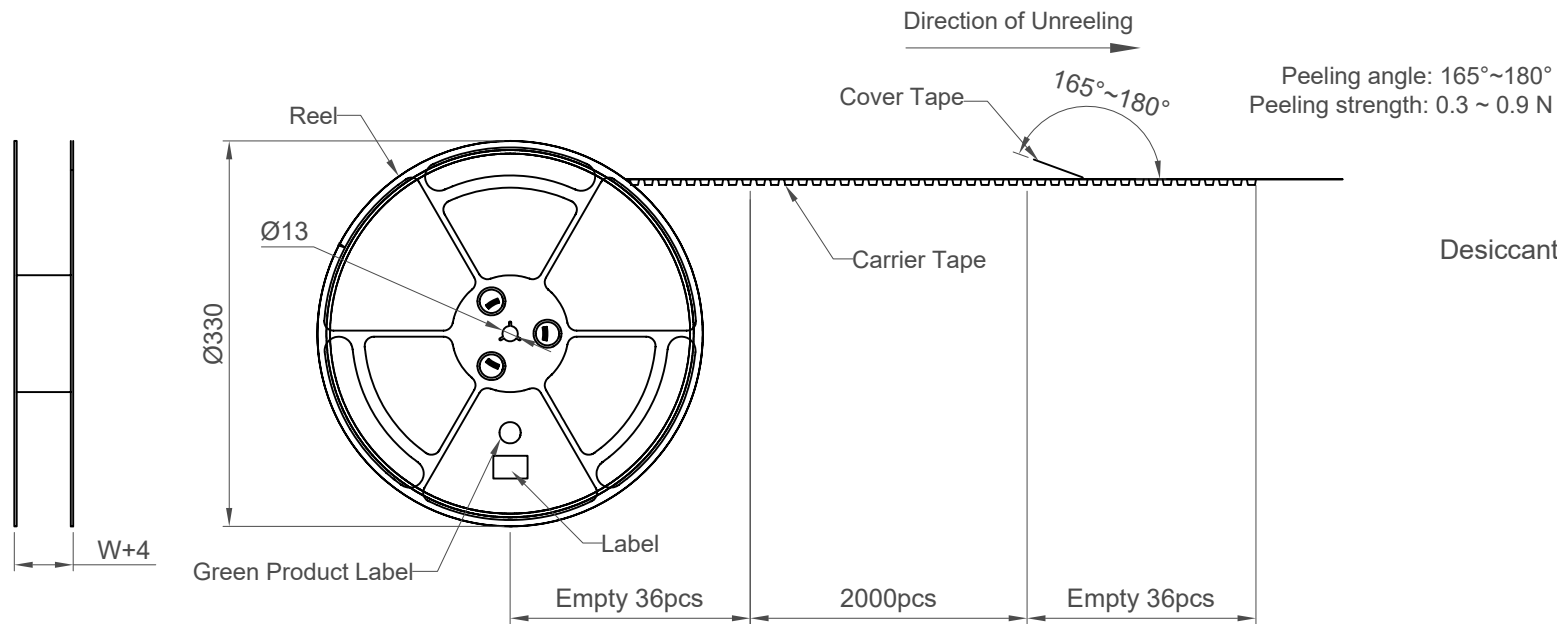
\* = Tooled Parts  
Please contact GCT for non-tooled parts

|                                |   |  |  |
|--------------------------------|---|--|--|
| Part Number<br>FFC2B35         |   | Product Description<br>FFC/FPC 0.5mm Pitch Side Entry, Bottom Contact, SMT, Height=2.0mm, Front Flip |  |
| Drawing Date<br>11th June 2021 |   |  |  |
| By<br>CC                       | Tolerances (Except as Noted)<br>Length<br>Angle | Units:<br>Metric (mm)  | RoHS<br>COMPLIANT<br>2011/65/EU<br>Deca-SIDE   |
| Detail<br>Drawing Release      | XX ± 0.20<br>X.XX ± 0.10                        | X.° ± 1°   | 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 |
| Revision<br>A2                 | Date<br>10/01/22                                | 3rd Angle Projection   |  |

|              |                |                  |
|--------------|----------------|------------------|
| Not to Scale | Drawn By<br>CC | Sheet No.<br>1/2 |
|--------------|----------------|------------------|

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| No. of Contacts | W  | S    | Pcs/Reel | Reel/Carton | Pcs/Carton |
|-----------------|----|------|----------|-------------|------------|
| 4 ~ 19          | 24 | N/A  | 2000     | 10          | 20000      |
| 20 ~ 31         | 32 | 28.4 | 2000     | 8           | 16000      |
| 32 ~ 49,51      | 44 | 40.4 | 2000     | 6           | 12000      |
| 50, 52 ~ 60     | 56 | 52.4 | 2000     | 4           | 8000       |

|              |                 |  |                                     |
|--------------|-----------------|--|-------------------------------------|
| Part Number  |                 | Product Description  |                                     |
| FFC2B35      |                 | FFC/FPC 0.5mm Pitch Side Entry, Bottom Contact, SMT, Height=2.0mm, Front Flip  |                                     |
| Drawing Date |                 | 11th June 2021   |                                     |
| By           | CC              | Tolerances (Except as Noted)   | Units:                              |
| Detail       | Drawing Release | Length   | Metric (mm)                         |
| Revision     | A2              | Angle  |                                     |
| Date         | 10/01/22        |  |                                     |
|              |                 |  | 3rd Angle Projection                |
|              |                 |  | RoHS COMPLIANT 2011/65/EU Deca-SIDE |
|              |                 | 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 |                                     |
|              |                 | ©  |                                     |
| Not to Scale | Drawn By CC     | Sheet No. 2/2  |                                     |

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|                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <a href="#"><u>FFC2B35-04-G</u></a> | <a href="#"><u>FFC2B35-04-T</u></a> | <a href="#"><u>FFC2B35-05-G</u></a> | <a href="#"><u>FFC2B35-05-T</u></a> | <a href="#"><u>FFC2B35-06-G</u></a> | <a href="#"><u>FFC2B35-06-T</u></a> | <a href="#"><u>FFC2B35-07-G</u></a> |
| <a href="#"><u>FFC2B35-07-T</u></a> | <a href="#"><u>FFC2B35-08-G</u></a> | <a href="#"><u>FFC2B35-08-T</u></a> | <a href="#"><u>FFC2B35-09-G</u></a> | <a href="#"><u>FFC2B35-09-T</u></a> | <a href="#"><u>FFC2B35-10-G</u></a> | <a href="#"><u>FFC2B35-10-T</u></a> |
| <a href="#"><u>FFC2B35-11-G</u></a> | <a href="#"><u>FFC2B35-11-T</u></a> | <a href="#"><u>FFC2B35-12-G</u></a> | <a href="#"><u>FFC2B35-12-T</u></a> | <a href="#"><u>FFC2B35-13-G</u></a> | <a href="#"><u>FFC2B35-13-T</u></a> | <a href="#"><u>FFC2B35-14-G</u></a> |
| <a href="#"><u>FFC2B35-14-T</u></a> | <a href="#"><u>FFC2B35-15-G</u></a> | <a href="#"><u>FFC2B35-15-T</u></a> | <a href="#"><u>FFC2B35-16-G</u></a> | <a href="#"><u>FFC2B35-16-T</u></a> | <a href="#"><u>FFC2B35-17-G</u></a> | <a href="#"><u>FFC2B35-17-T</u></a> |
| <a href="#"><u>FFC2B35-18-G</u></a> | <a href="#"><u>FFC2B35-18-T</u></a> | <a href="#"><u>FFC2B35-19-G</u></a> | <a href="#"><u>FFC2B35-19-T</u></a> | <a href="#"><u>FFC2B35-20-G</u></a> | <a href="#"><u>FFC2B35-20-T</u></a> | <a href="#"><u>FFC2B35-21-G</u></a> |
| <a href="#"><u>FFC2B35-21-T</u></a> | <a href="#"><u>FFC2B35-22-G</u></a> | <a href="#"><u>FFC2B35-22-T</u></a> | <a href="#"><u>FFC2B35-24-G</u></a> | <a href="#"><u>FFC2B35-24-T</u></a> | <a href="#"><u>FFC2B35-25-G</u></a> | <a href="#"><u>FFC2B35-25-T</u></a> |
| <a href="#"><u>FFC2B35-26-G</u></a> | <a href="#"><u>FFC2B35-26-T</u></a> | <a href="#"><u>FFC2B35-28-G</u></a> | <a href="#"><u>FFC2B35-28-T</u></a> | <a href="#"><u>FFC2B35-30-G</u></a> | <a href="#"><u>FFC2B35-30-T</u></a> | <a href="#"><u>FFC2B35-31-G</u></a> |
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| <a href="#"><u>FFC2B35-45-G</u></a> | <a href="#"><u>FFC2B35-45-T</u></a> | <a href="#"><u>FFC2B35-46-G</u></a> | <a href="#"><u>FFC2B35-46-T</u></a> | <a href="#"><u>FFC2B35-50-G</u></a> | <a href="#"><u>FFC2B35-50-T</u></a> | <a href="#"><u>FFC2B35-51-G</u></a> |
| <a href="#"><u>FFC2B35-51-T</u></a> | <a href="#"><u>FFC2B35-53-G</u></a> | <a href="#"><u>FFC2B35-53-T</u></a> | <a href="#"><u>FFC2B35-54-G</u></a> | <a href="#"><u>FFC2B35-54-T</u></a> | <a href="#"><u>FFC2B35-55-G</u></a> | <a href="#"><u>FFC2B35-55-T</u></a> |
| <a href="#"><u>FFC2B35-60-G</u></a> | <a href="#"><u>FFC2B35-60-T</u></a> |                                     |                                     |                                     |                                     |                                     |