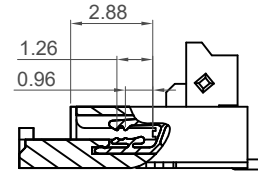
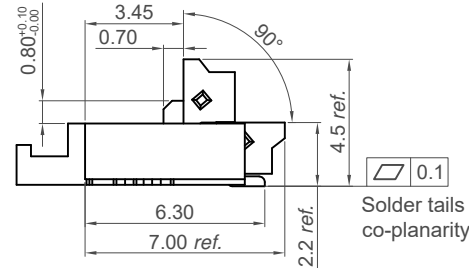
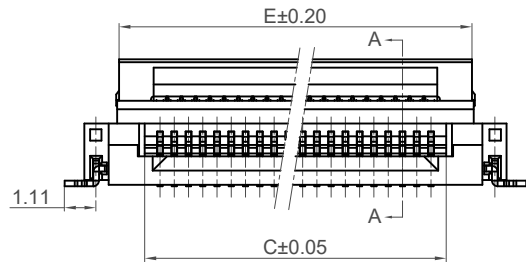
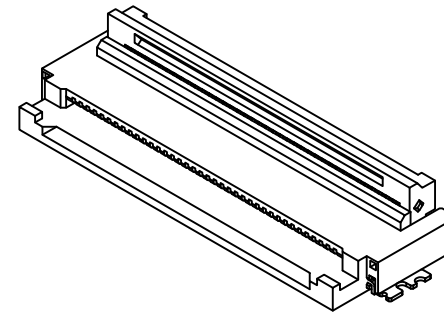


Recommended PCB Layout
 General Tolerance ±0.05
 ▨ Solder Area □ Component Outline



Section A-A

Specification:

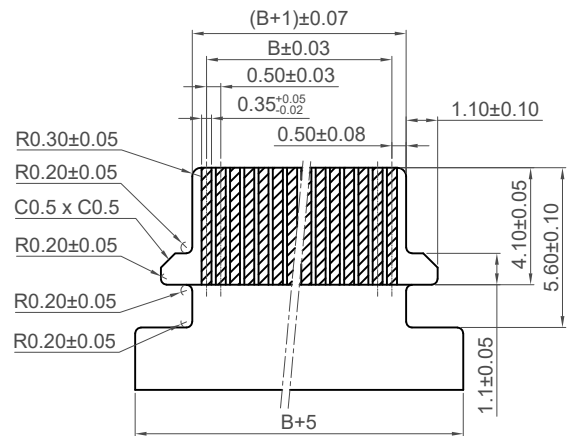
Material:
 Housing: LCP, UL 94V-0, Natural
 Actuator: LCP, UL 94V-0, Black
 Contact: Phosphor Bronze
 Fitting Nail: Brass

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

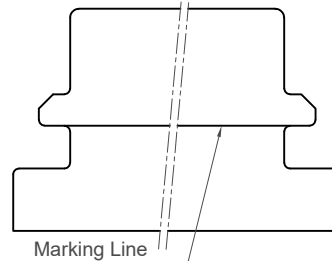
Electrical:
 Voltage Rating (Max.): 50V AC/DC
 Current Rating (Max.): 0.4A AC/DC
 Dielectric Strength: 250V AC for 1 minute
 Insulation Resistance: 50 MΩ Min.
 Contact Resistance: 50 mΩ Max.

Mechanical & Environmental
 Durability: 20 Cycles
 Operating Temperature: -40°C to +105°C
 Solder Profile:
 Peak Temp 260°C (+0/-5°C) max. (5 seconds)

Ordering Grid
FFC2C05-XX-G Request Samples and Quotation
 No. of Contacts: 04 - 68
 Contact Plating: G = Gold Flash over all
 (see dimension table)



Recommended FFC/FPC Dimensions



Marking Line

| No. of Contacts | Dimensions | | | | |
|-----------------|------------|-------|-------|-------|-------|
| | A | B | C | D | E |
| 4 | 8.20 | 1.50 | 2.57 | 6.80 | 4.37 |
| 5 | 8.70 | 2.00 | 3.07 | 7.30 | 4.87 |
| 6 | 9.20 | 2.50 | 3.57 | 7.80 | 5.37 |
| 7 | 9.70 | 3.00 | 4.07 | 8.30 | 5.87 |
| 8 | 10.20 | 3.50 | 4.57 | 8.80 | 6.37 |
| 9 | 10.70 | 4.00 | 5.07 | 9.30 | 6.87 |
| 10 | 11.20 | 4.50 | 5.57 | 9.80 | 7.37 |
| 11 | 11.70 | 5.00 | 6.07 | 10.30 | 7.87 |
| 12 | 12.20 | 5.50 | 6.57 | 10.80 | 8.37 |
| 13 | 12.70 | 6.00 | 7.07 | 11.30 | 8.87 |
| * 14 | 13.20 | 6.50 | 7.57 | 11.80 | 9.37 |
| 15 | 13.70 | 7.00 | 8.07 | 12.30 | 9.87 |
| * 16 | 14.20 | 7.50 | 8.57 | 12.80 | 10.37 |
| 17 | 14.70 | 8.00 | 9.07 | 13.30 | 10.87 |
| 18 | 15.20 | 8.50 | 9.57 | 13.80 | 11.37 |
| 19 | 15.70 | 9.00 | 10.07 | 14.30 | 11.87 |
| 20 | 16.20 | 9.50 | 10.57 | 14.80 | 12.37 |
| * 21 | 16.70 | 10.00 | 11.07 | 15.30 | 12.87 |
| 22 | 17.20 | 10.50 | 11.57 | 15.80 | 13.37 |
| 23 | 17.70 | 11.00 | 12.07 | 16.30 | 13.87 |
| 24 | 18.20 | 11.50 | 12.57 | 16.80 | 14.37 |
| 25 | 18.70 | 12.00 | 13.07 | 17.30 | 14.87 |
| 26 | 19.20 | 12.50 | 13.57 | 17.80 | 15.37 |
| 27 | 19.70 | 13.00 | 14.07 | 18.30 | 15.87 |
| 28 | 20.20 | 13.50 | 14.57 | 18.80 | 16.37 |
| 29 | 20.70 | 14.00 | 15.07 | 19.30 | 16.87 |
| 30 | 21.20 | 14.50 | 15.57 | 19.80 | 17.37 |
| 31 | 21.70 | 15.00 | 16.07 | 20.30 | 17.87 |
| 32 | 22.20 | 15.50 | 16.57 | 20.80 | 18.37 |
| 33 | 22.70 | 16.00 | 17.07 | 21.30 | 18.87 |
| 34 | 23.20 | 16.50 | 17.57 | 21.80 | 19.37 |
| 35 | 23.70 | 17.00 | 18.07 | 22.30 | 19.87 |
| 36 | 24.20 | 17.50 | 18.57 | 22.80 | 20.37 |
| 37 | 24.70 | 18.00 | 19.07 | 23.30 | 20.87 |
| 38 | 25.20 | 18.50 | 19.57 | 23.80 | 21.37 |
| 39 | 25.70 | 19.00 | 20.07 | 24.30 | 21.87 |
| 40 | 26.20 | 19.50 | 20.57 | 24.80 | 22.37 |
| * 41 | 26.70 | 20.00 | 21.07 | 25.30 | 22.87 |
| 42 | 27.20 | 20.50 | 21.57 | 25.80 | 23.37 |
| 43 | 27.70 | 21.00 | 22.07 | 26.30 | 23.87 |
| 44 | 28.20 | 21.50 | 22.57 | 26.80 | 24.37 |
| 45 | 28.70 | 22.00 | 23.07 | 27.30 | 24.87 |
| * 46 | 29.20 | 22.50 | 23.57 | 27.80 | 25.37 |
| 47 | 29.70 | 23.00 | 24.07 | 28.30 | 25.87 |
| 48 | 30.20 | 23.50 | 24.57 | 28.80 | 26.37 |
| 49 | 30.70 | 24.00 | 25.07 | 29.30 | 26.87 |
| * 50 | 31.20 | 24.50 | 25.57 | 29.80 | 27.37 |
| 51 | 31.70 | 25.00 | 26.07 | 30.30 | 27.87 |
| 52 | 32.20 | 25.50 | 26.57 | 30.80 | 28.37 |
| 53 | 32.70 | 26.00 | 27.07 | 31.30 | 28.87 |
| 54 | 33.20 | 26.50 | 27.57 | 31.80 | 29.37 |
| 55 | 33.70 | 27.00 | 28.07 | 32.30 | 29.87 |
| 56 | 34.20 | 27.50 | 28.57 | 32.80 | 30.37 |
| 57 | 34.70 | 28.00 | 29.07 | 33.30 | 30.87 |
| 58 | 35.20 | 28.50 | 29.57 | 33.80 | 31.37 |
| 59 | 35.70 | 29.00 | 30.07 | 34.30 | 31.87 |
| * 60 | 36.20 | 29.50 | 30.57 | 34.80 | 32.37 |
| 61 | 36.70 | 30.00 | 31.07 | 35.30 | 32.87 |
| 62 | 37.20 | 30.50 | 31.57 | 35.80 | 33.37 |
| 63 | 37.70 | 31.00 | 32.07 | 36.30 | 33.87 |
| 64 | 38.20 | 31.50 | 32.57 | 36.80 | 34.37 |
| 65 | 38.70 | 32.00 | 33.07 | 37.30 | 34.87 |
| 66 | 39.20 | 32.50 | 33.57 | 37.80 | 35.37 |
| 67 | 39.70 | 33.00 | 34.07 | 38.30 | 35.87 |
| * 68 | 40.20 | 33.50 | 34.57 | 38.80 | 36.37 |

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

| | | | |
|--------------|-----------------|---|---------------------------|
| Part Number | | Product Description | |
| FFC2C05 | | FPC 0.5mm Pitch Side Entry, Dual Contact, SMT, Height=2.2mm, Back Flip, With Ear Lock | |
| Drawing Date | | 17th January 2020 | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Metric (mm) |
| Revision | A2 | Angle | RoHS COMPLIANT 2011/65/EU |
| Date | 03/07/23 | X.X ± 0.25 X.XX ± 0.20 | X.° ± 1° |

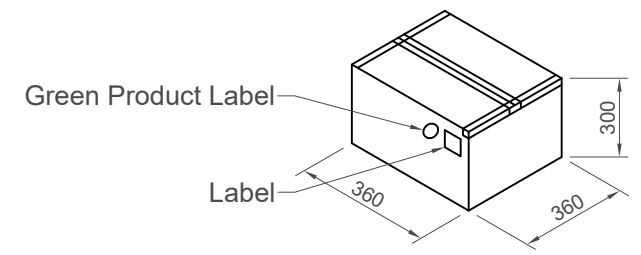
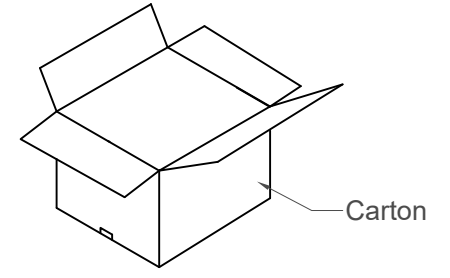
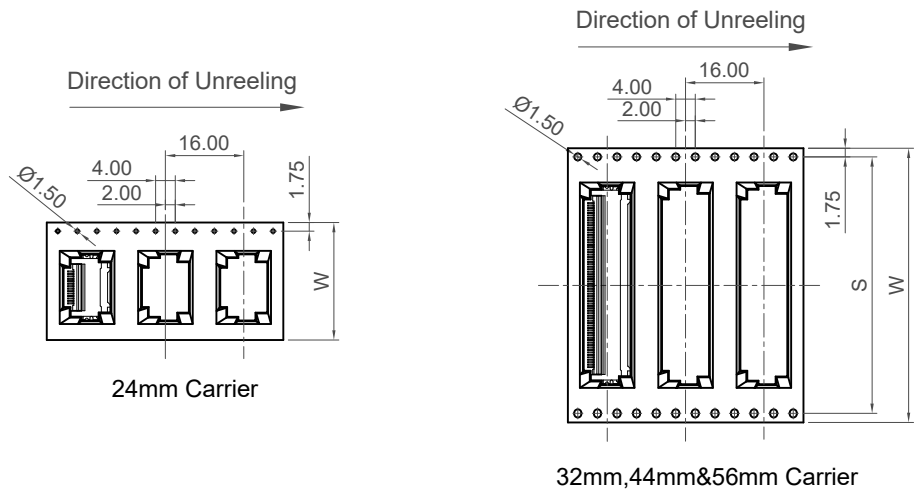
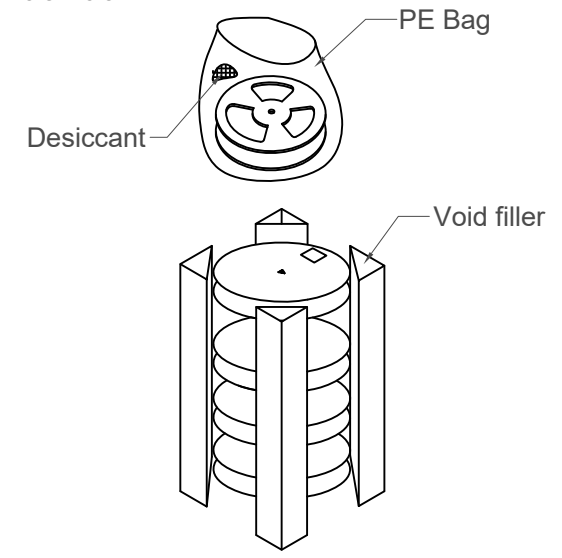
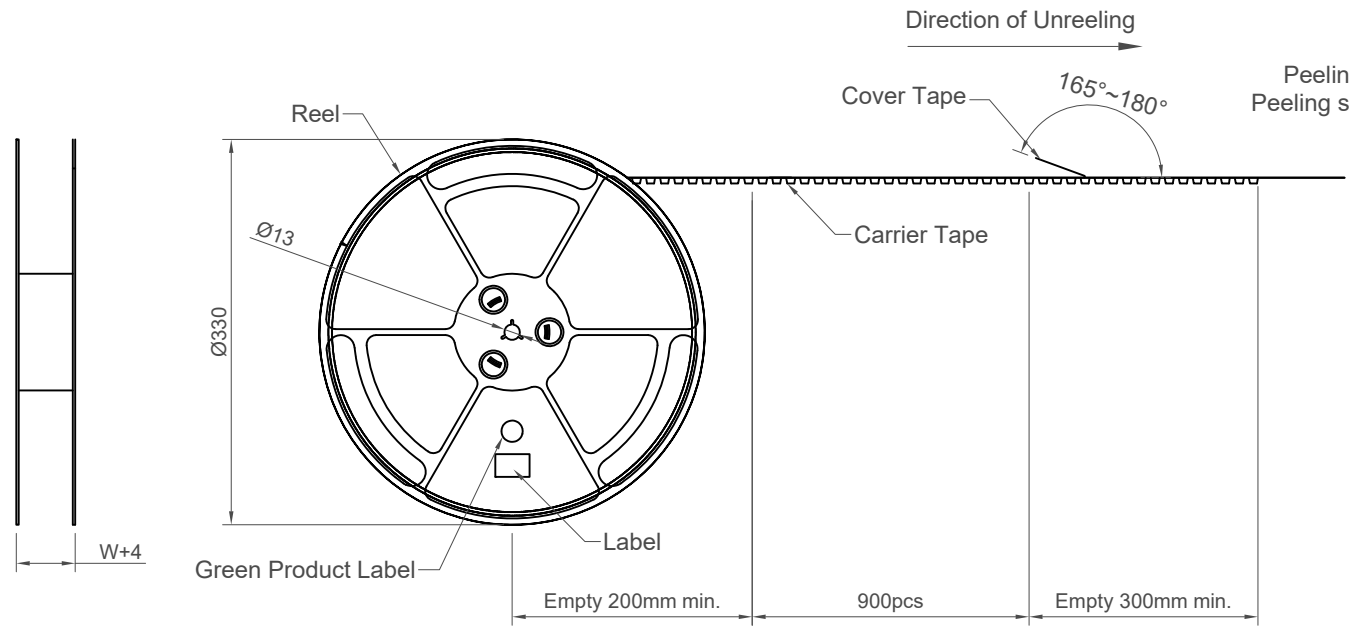


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| | | |
|--------------|-------------|---------------|
| Not to Scale | Drawn By CC | Sheet No. 1/2 |
|--------------|-------------|---------------|

H
G
F
E
D
C
B
A



| No. of Contacts | W | S | PCS/Reel | Reel/Carton | PCS/Carton |
|-----------------|----|------|----------|-------------|------------|
| 14,16 | 24 | N/A | 900 | 10 | 9000 |
| 21 | 32 | 28.4 | 900 | 8 | 7200 |
| 41,46,50 | 44 | 40.4 | 900 | 6 | 5400 |
| 60,68 | 56 | 52.4 | 900 | 4 | 3600 |

| | | | |
|--------------|-----------------|---|--------|
| Part Number | | Product Description | |
| FFC2C05 | | FPC 0.5mm Pitch Side Entry, Dual Contact, SMT, Height=2.2mm, Back Flip, With Ear Lock | |
| Drawing Date | | 17th January 2020 | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Angle |
| Revision | A2 | - | - |
| Date | 03/07/23 | Metric (mm) | |
| | | 3rd Angle Projection | |



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

1 2 3 4 5 6 7 8