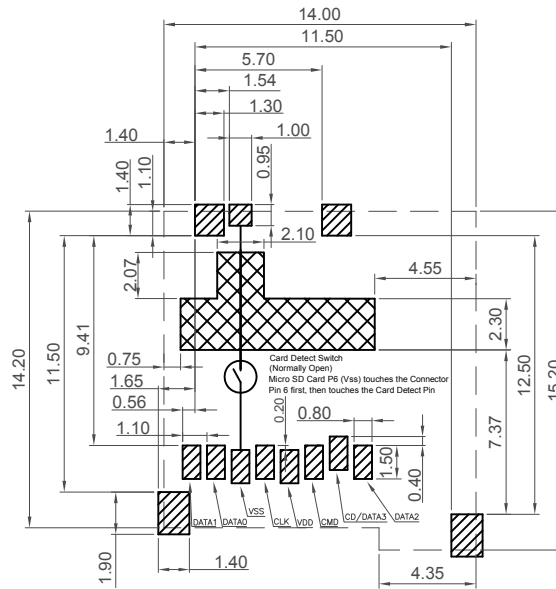
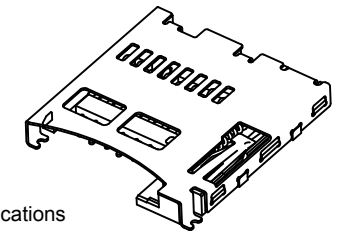


Section A-A



Recommended PCB Layout

As viewed from component side General Tolerance: ±0.05
 [Hatched] Solder Area [Cross-hatched] Keep Out Area [Dashed] Component Outline



Specifications

- Material
- Plastic Housing: Hi-temp Thermoplastic, UL94V-0, Black
- Contact Terminal: Copper Alloy
- Metallic Shell: Stainless Steel
- Coil Spring: SWP
- Latch: Stainless Steel
- Slider: Hi-temp Thermoplastic, UL94V-0, Black
- Card Detect Pin: Copper Alloy

Plating

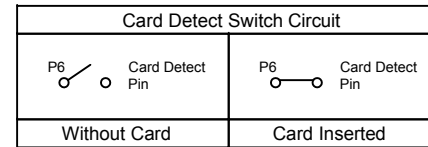
- Contact Terminal:
 - Under-plating: 50µ" min. Nickel all over
 - Contact Area: Gold Flash
 - Soldering Area: 80µ" min. Matte Tin
- Metallic Shell :
 - Under-plating : 50µ" Nickel all over
 - Soldering Area : Gold Flash
- Card Detect Pin:
 - Under-plating: 50µ" min. Nickel all over
 - Contact Area: Gold Flash
 - Solder Tail : Gold Flash

Electrical

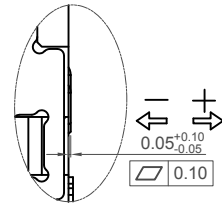
- Voltage Rating: 100 V AC max
- Current Rating: 0.5 A max.
- Contact Resistance: 100mΩ max.
- Insulating Resistance: 1000MΩ min.
- Dielectric Withstand Voltage: 500 V AC

Mechanical & Environmental

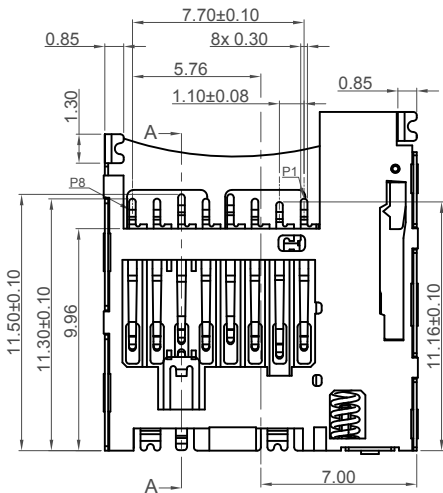
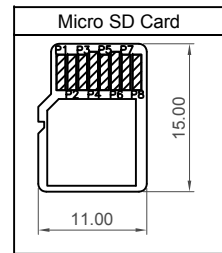
- Durability: 5000 Cycles
- Operating Temperature: -40°C to +85°C



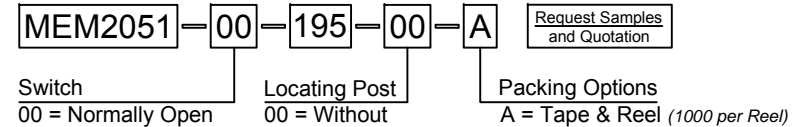
| MICRO SD CARD PIN OUT | | |
|-----------------------|-----------------|--------------------------|
| Pin | Name | Description |
| P1 | DAT2 | Data Bit 2 |
| P2 | CD/DAT3 | Card Detect/Data Bit 3 |
| P3 | CMD | Command Line |
| P4 | V _{DD} | Supply Voltage 2.7V/3.6V |
| P5 | CLK | Clock |
| P6 | V _{SS} | Ground |
| P7 | DAT0 | Data Bit 0 |
| P8 | DAT1 | Data Bit 1 |



Detail A Scale 2:1



Ordering Grid



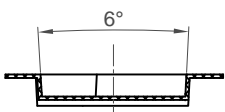
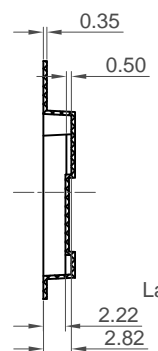
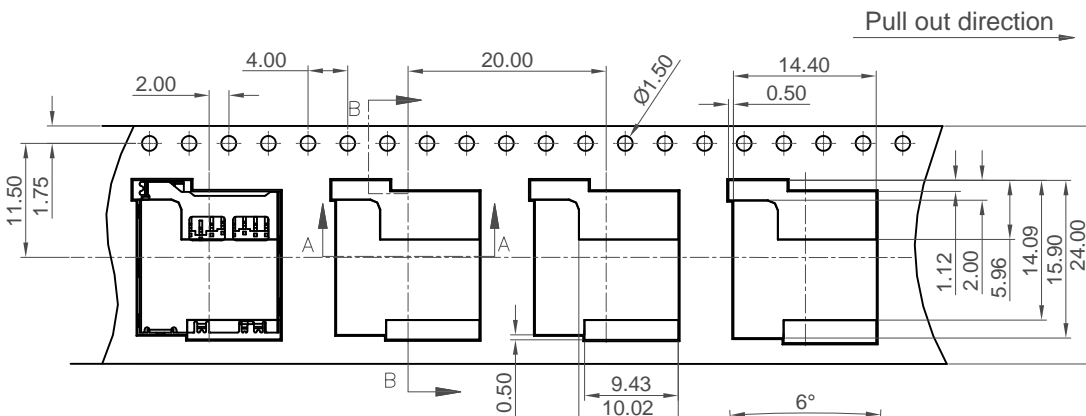
| | | | |
|-------------------|----------|---|--------------|
| Part Number | | Product Description | |
| MEM2051 | | Micro SD Memory Card Connector | |
| Drawing Date | | Push-Push, SMT, Card Entry Normal, 1.95mm Profile | |
| 2nd November 2011 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | MEM2051 | Length | Metric (mm) |
| Revision | D | Angle | |
| Date | 14/11/17 | X.X ±0.35 | X° ±1° |
| | | X.XX ±0.25 | X.X° ±0.5° |
| | | X.XXX ±0.150 | X.XX° ±0.25° |



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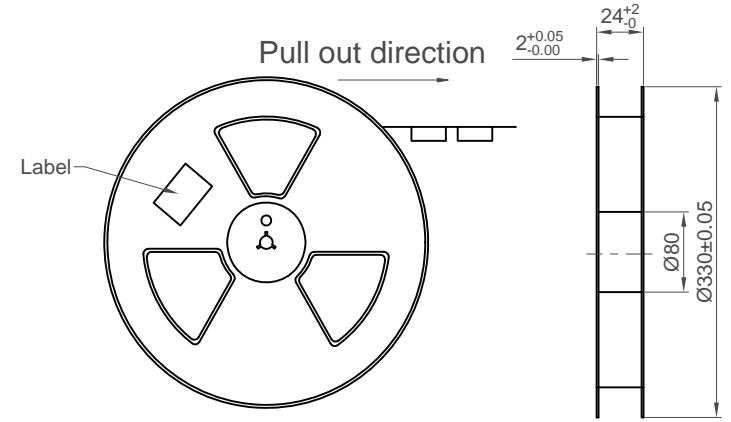
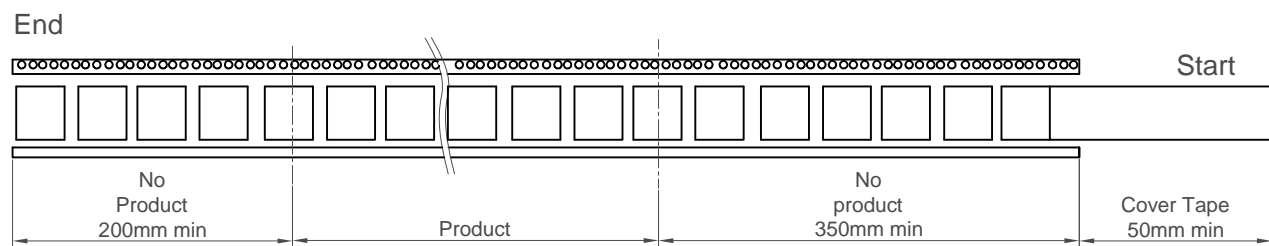
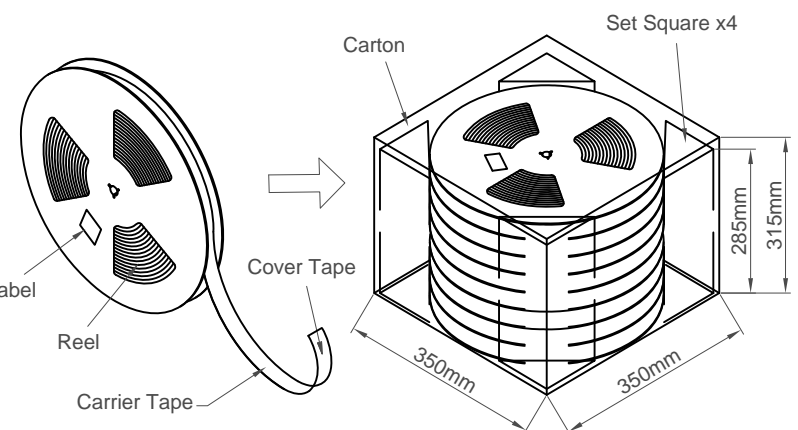


| | | |
|--------------|--------------|---------------|
| Not to Scale | Drawn By ASE | Sheet No. 1/2 |
|--------------|--------------|---------------|



Section A-A

Section B-B



Gross Weight - Reel: 0.86 KG
Quantity: 1000 pcs/Reel

Notes:

1. Primary Packing: 1,000 pcs/reel
2. Secondary Packing: 10 reel/carton (10k pieces/carton)
3. Gross Weight: 9.43Kg/carton

| | | | | | |
|-------------------|---------------|---|-------------|--|--|
| Part Number | | Product Description | | | 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 |
| MEM2051 | | Micro SD Memory Card Connector | | | |
| Drawing Date | | Push-Push, SMT, Card Entry Normal, 1.95mm Profile | | | |
| 2nd November 2011 | | | | | |
| By | CC | Tolerances (Except as Noted) | Units: | | |
| Detail | MEM2051 D PCN | Length | Metric (mm) | | |
| Revision | D | Angle | | | |
| Date | 14/11/17 | | | | |
| Not to Scale | Drawn By ASE | Sheet No. 2/2 | | | |