

Specifications

Material

Housing: LCP, UL94V-0, Black
 Terminal: Phosphor Bronze, T=0.12mm
 Shell: Stainless Steel, T=0.10mm

Plating

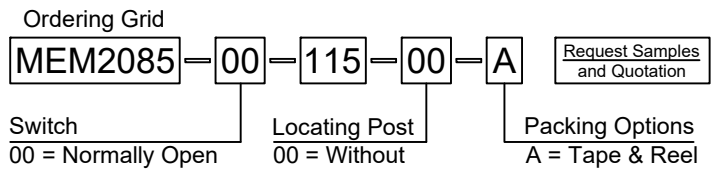
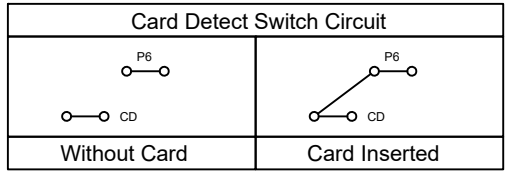
Contact Terminal:
 Under-plating: 80µ" min. Nickel all over
 Contact Area: Gold Flash
 Soldering Area: Gold Flash
Metallic Shell :
 Under-plating : 30µ" Nickel all over
 Soldering Area : Gold Flash

Electrical

Voltage Rating: 5V
 Current Rating: 0.5A
 Contact Resistance: 100mΩ max.
 Insulating Resistance: 1000MΩ min. at 500V DC
 Dielectric Withstand Voltage: 500V AC

Mechanical & Environmental

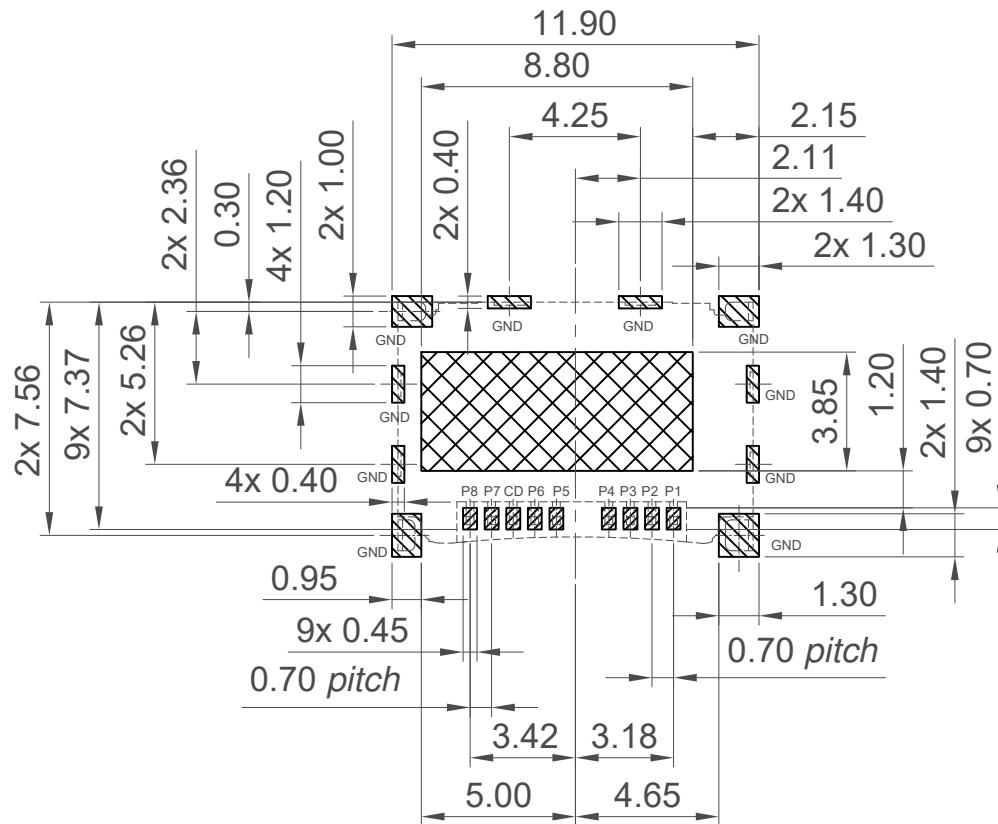
Durability: 5000 Cycles
 Operating Temperature: -25°C to +85°C



Part Number		Product Description	
MEM2085		Micro SD Memory Card Connector	
Drawing Date		Push-Pull, SMT, 1.15mm Profile	
20th December 2022			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	X.X ±0.35	
Date	20/12/22	X.XX ±0.20	
		X.XXX ±0.10	
<p>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</p>			
		www.gct.co	
Not to Scale	Drawn By CC	Sheet No. 1/3	

H
G
F
E
D
C
B
A

1 2 3 4 5 6 7 8







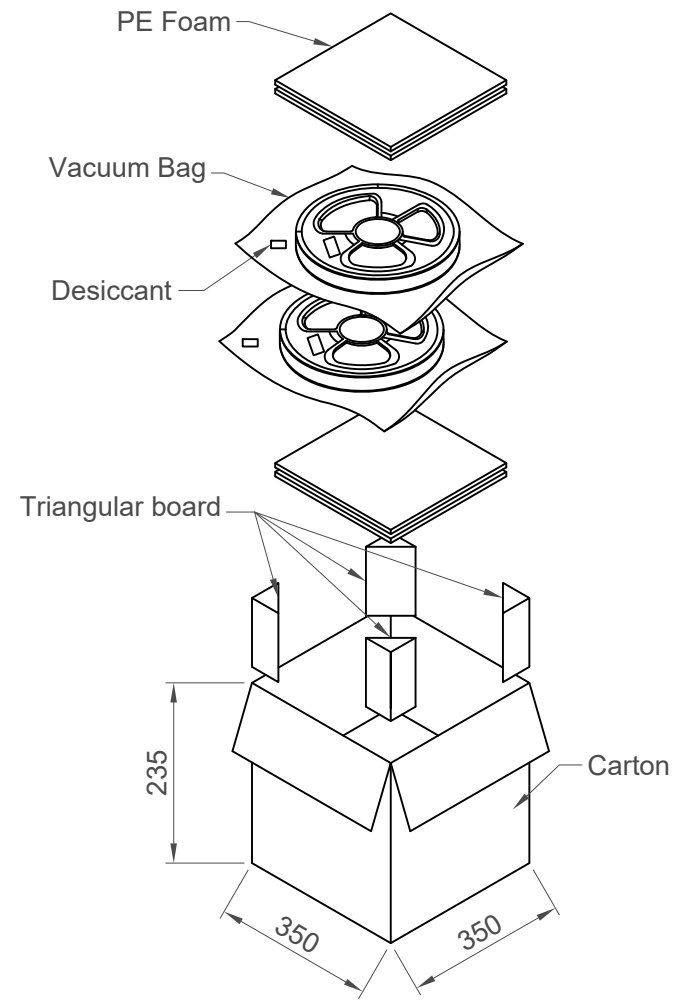
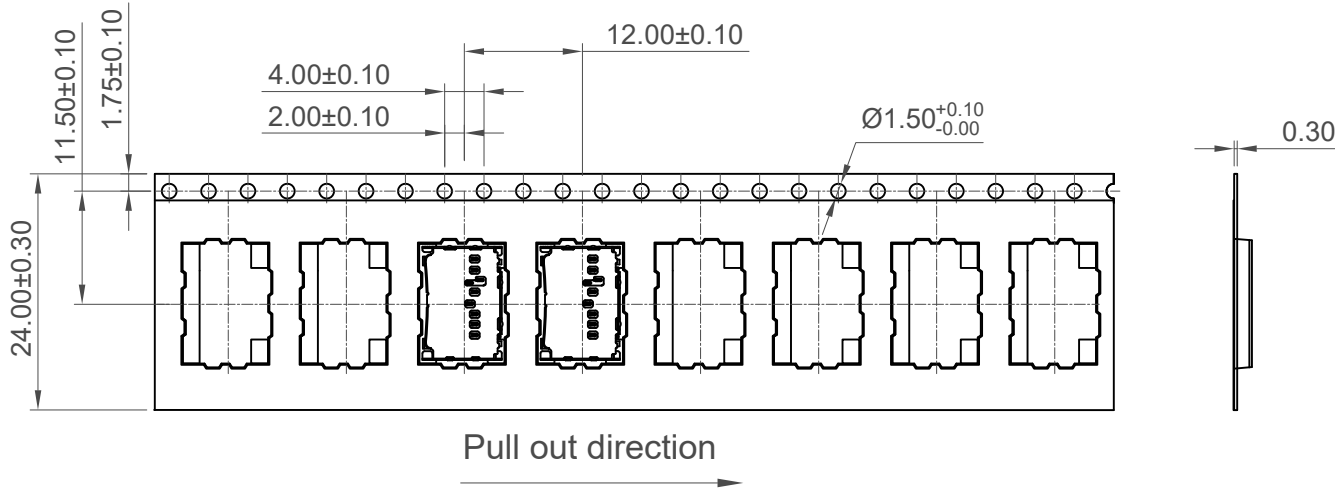
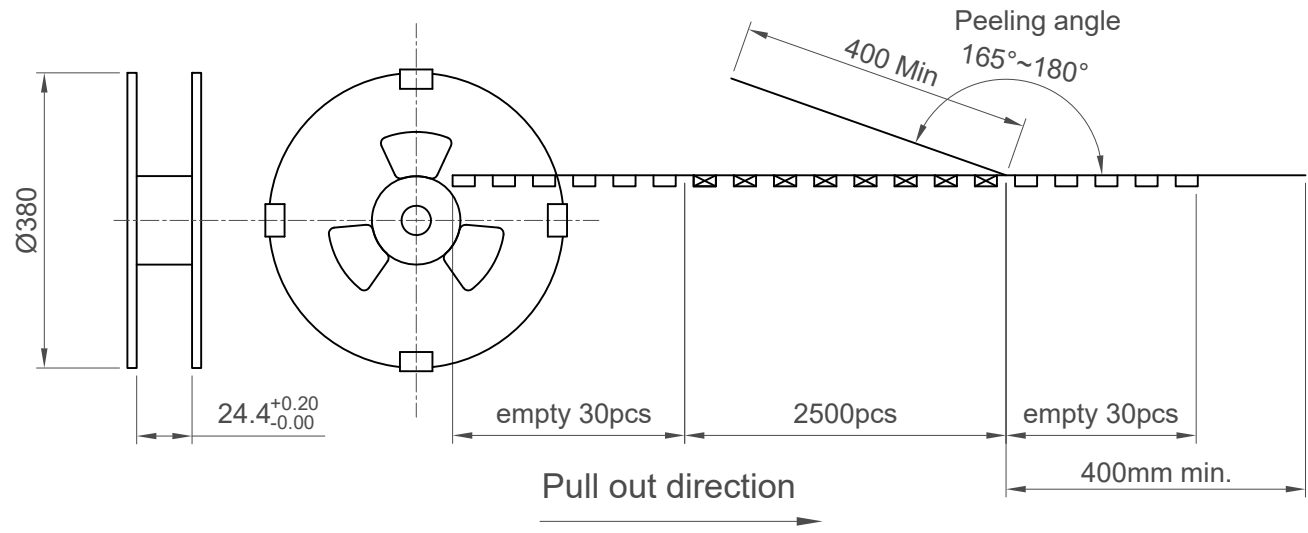
Pin Assignment		
Pin	Name	Description
P1	DAT2	Data Bit 2
P2	CD/DAT3	Card Detect/Data Bit 3
P3	CMD	Command Line
P4	V _{DD}	Supply Voltage
P5	CLK	Clock
P6	V _{SS}	Ground
CD	CD	Card Detect
P7	DAT0	Data Bit 0
P8	DAT1	Data Bit 1

Recommended PCB Layout

As viewed from component side General Tolerance: ± 0.05

 Solder Area
  Keep Out Area
  Component Outline

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MEM2085		Micro SD Memory Card Connector				
Drawing Date		Push-Pull, SMT, 1.15mm Profile				
20th December 2022						
By	CC	Tolerances (Except as Noted)		Units:		
Detail	Drawing Release	Length	Angle	Metric (mm)		
Revision	A	X.X ± 0.35				
Date	20/12/22	X.XX ± 0.20	$\pm 2^\circ$			
		X.XXX ± 0.10				
Not to Scale	Drawn By	CC	Sheet No.	2/3		



Pcs/Reel	Reels/Carton	Pcs/Carton
2500	6	15000

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MEM2085		Micro SD Memory Card Connector				
Drawing Date		Push-Pull, SMT, 1.15mm Profile				
20th December 2022						
By	CC	Tolerances (Except as Noted)	Units:			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
Detail	Drawing Release	Length	Metric (mm)			
Revision	A	Angle				
Date	20/12/22					
				Not to Scale		Drawn By
						CC
						Sheet No.
						3/3