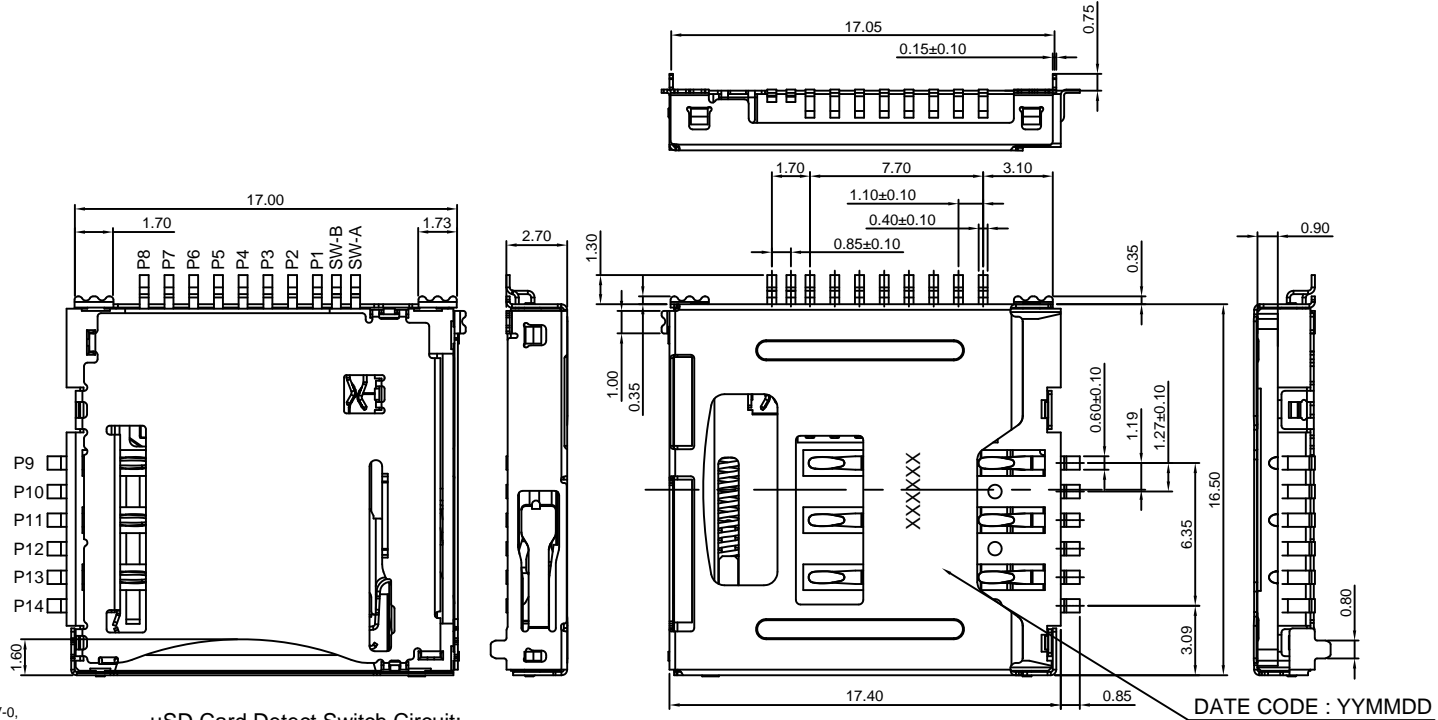


Global Connector Technology Ltd. - MES3051: 2in1 Combo Connector, MicroSD Memory Card, Push-Push, Reverse Entry/SIM Card, Push-Pull, SMT, 2.70mm Profile, With Locating Post

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SPECIFICATION 规格:

MATERIAL 物料规格:
PLASTIC HOUSING 塑胶外壳: THERMOPLASTIC UL94V-0, BLACK 高温塑胶, 黑色

CONTACT TERMINAL 接触端子: COPPER ALLOY
METALLIC SHELL 金属外壳: STAINLESS STEEL 不锈钢
PLATING 电镀规格:

CONTACT TERMINAL PLATING 接触端子部分电镀:
SIM:

UNDER-PLATING: 80u"-120u" NICKEL ALL OVER.
CONTACT AREA 接触部分: 1u" GOLD MIN.
SOLDERING AREA 焊接部分: 120u" TIN MIN.

MICRO SD:
UNDER-PLATING: 80u"-120u" NICKEL ALL OVER
CONTACT AREA 接触部分: 1u" MIN. GOLD
SOLDERING AREA 焊接部分: 120u" MIN. TIN

METALLIC SHELL PLATING 金属外壳电镀:
UNDER-PLATING 底层电镀: 80u"-120u" NICKEL ALL OVER
SOLDERING AREA 焊接部分: 1u"-3u" GOLD

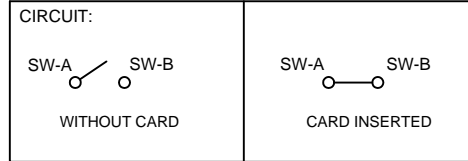
CARD DETECTIVE PIN PLATING:
UNDER-PLATING: 80u"-120u" NICKEL ALL OVER
CONTACT AREA 接触部分: 1u"-3u" GOLD
SOLDERING AREA 焊接部分: 120u" TIN MIN.

SOLDER TAIL CO-PLANARITY 焊接末端同平面度: 0.1MM MAX.
ELECTRICAL 电气规格:

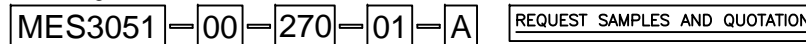
VOLTAGE RATING 电压额定值: 5 V DC/PIN
CURRENT RATING 电流额定值: 0.5 A DC
OPERATING TEMPERATURE 工作温度: -25°C TO +85°C
CONTACT RESISTANCE 接触电阻值: 40mΩ MAX.
INSULATION RESISTANCE 绝缘电阻值: 1000MΩ MIN. (APPLY 施加500VDC)
DIELECTRIC WITHSTANDING VOLTAGE 耐电压: LEAKAGE CURRENT 漏电流 < 0.5mA (APPLY 500VAC FOR 1 MIN; 施加 500VAC共一分钟)

MECHANICAL 机械性能规格:
DURABILITY 耐久性: 10000 CYCLES 次插拔 10000
CONTACT NORMAL FORCE 垂直接触力: 30gf/PIN MIN.

µSD Card Detect Switch Circuit:

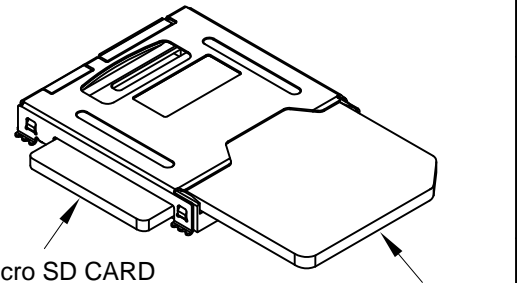


Ordering Grid



Switch
00 = Normally Open

Packing Options
A = Tape & Reel
(Quantity per Reel: 600 pcs)
01 = With Locating Post



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DETAIL	DRAWING RELEASE
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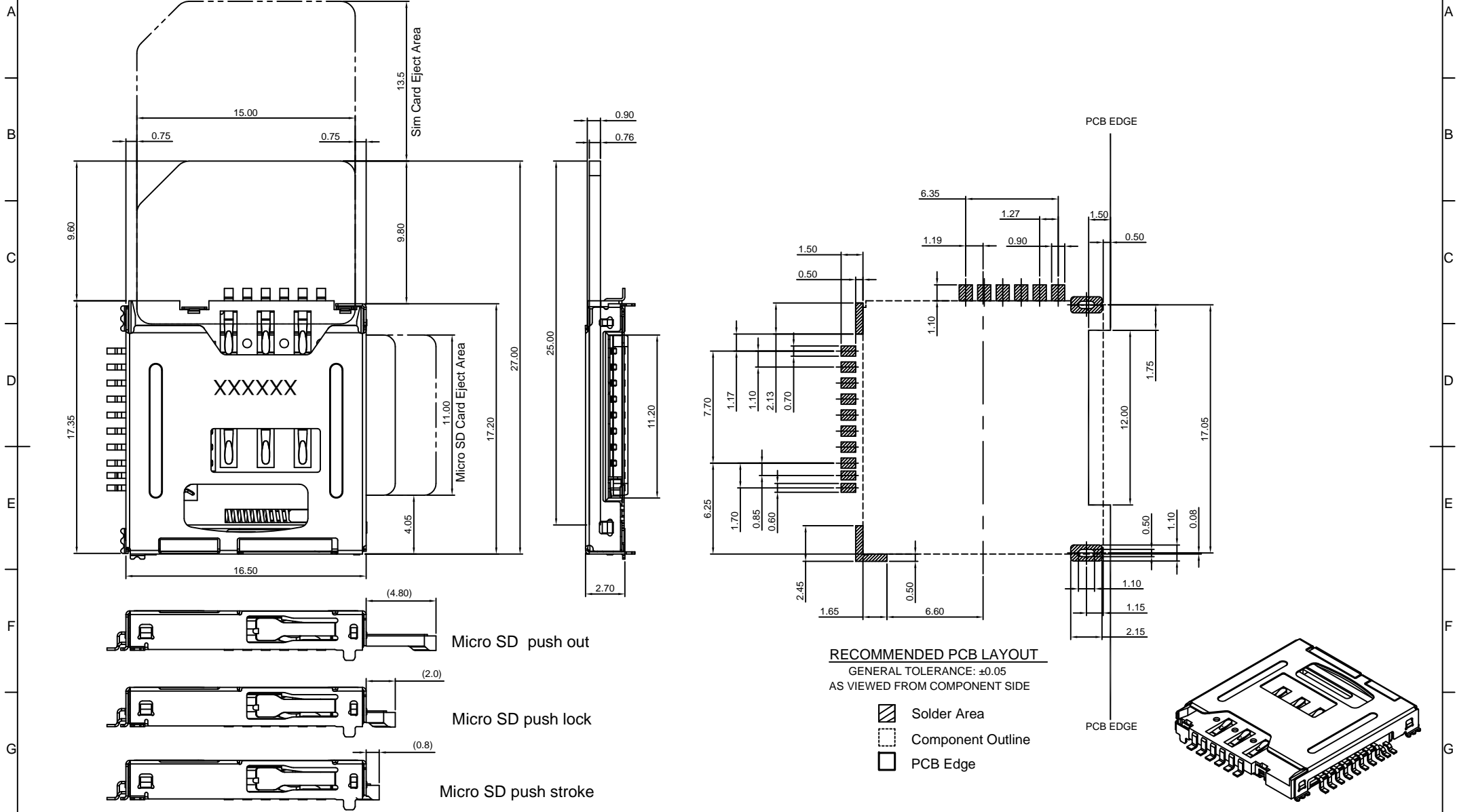
Tolerances (Except as noted)	Part Number:-	Date:-
Dimensions in mm	MES3051	30 NOV 10
X.X ± 0.20	X.° ± 1°	Description:- 2 IN 1 COMBO CONNECTOR, MICRO SD MEMORY CARD, PUSH-PUSH, REVERSE ENTRY/SIM CARD, PUSH-PULL, SMT, 2.70MM PROFILE, WITH LOCATING POST
X.XX ± 0.15	X.X° ± 0.5°	
X.XXX ± 0.05	X.XX° ± 0.25°	
Third Angle Projection	THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	

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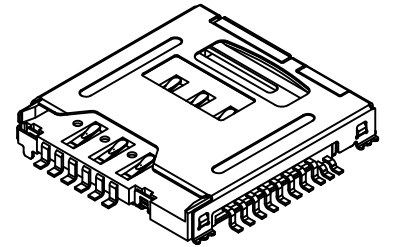
Scale	Revision	Material	Drawn by	Sheet No.
NTS	A	See Note	ASE	E & OE
				1/5

Global Connector Technology Ltd. - MES3051: 2in1 Combo Connector, MicroSD Memory Card, Push-Push, Reverse Entry/SIM Card, Push-Pull, SMT, 2.70mm Profile, With Locating Post



RECOMMENDED PCB LAYOUT
 GENERAL TOLERANCE: ±0.05
 AS VIEWED FROM COMPONENT SIDE

- Solder Area
- Component Outline
- PCB Edge



By	ASE
DETAIL	DRAWING RELEASE
REV DATE	A 30/11/10



Tolerances (Except as noted)	Part Number:-	Date:-
Dimensions in mm	MES3051	30 NOV 10
X.X ± 0.20 X.° ± 1°	Description:-	
X.XX ± 0.15 X.X° ± 0.5°	2 IN 1 COMBO CONNECTOR, MICRO SD MEMORY CARD, PUSH-PUSH, REVERSE ENTRY/SIM CARD, PUSH-PULL, SMT, 2.70MM PROFILE, WITH LOCATING POST	
X.XXX ± 0.05 X.XX° ± 0.25°	© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	
Third Angle Projection	Scale NTS	Revision A

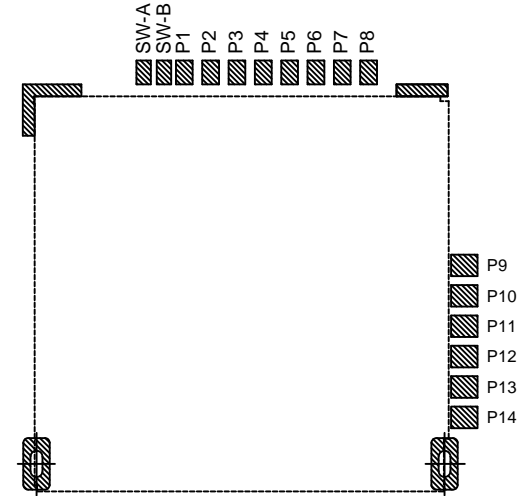
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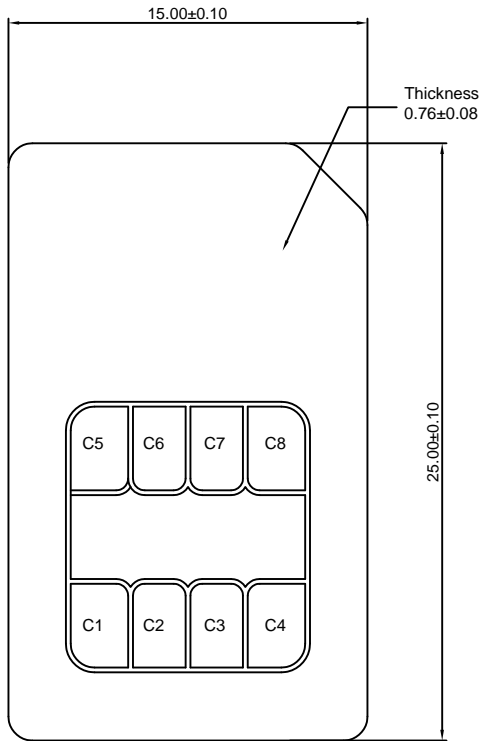
Material See Note	Drawn by ASE	Sheet No. E & OE
Scale NTS	Revision A	Sheet No. 2/5

SIM CARD PIN OUT		
Pin	Name	Description
C1	VCC	+5v or 3.3v DC
C2	RST	Card Reset (Optional)
C3	CLK	Card Clock
C4	RFU	Reserved for Future Use
C5	GND	Ground
C6	VPP	+21v DC [Programming]
C7	I/O	In/Out [Data]
C8	RFU	Reserved for Future Use

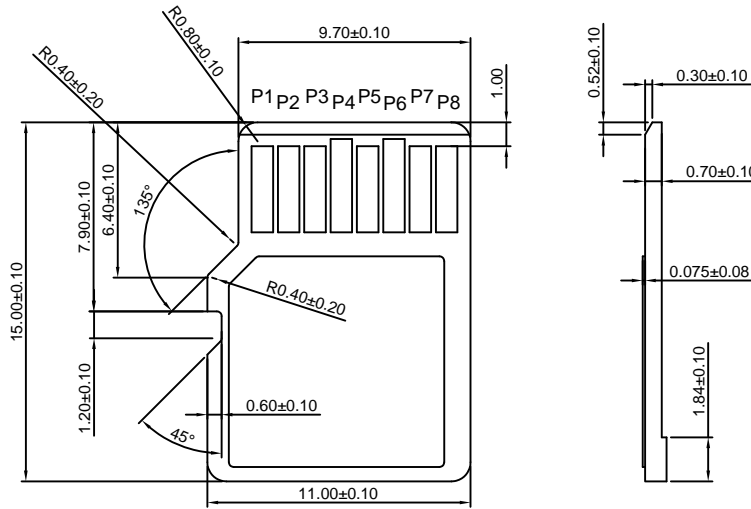
Micro SD CARD PIN OUT		
Pin	Name	Description
P1	DAT2	Data Bit 2
P2	CD/DAT3	Card Detect/Data Bit 3
P3	CMD	Command Line
P4	V _{DD}	Supply Voltage 2.7v/3.6v
P5	CLK	Clock
P6	V _{SS}	Ground
P7	DAT0	Data Bit 0
P8	DAT1	Data Bit 1



CIRCUIT POSITIONS



SIM CARD



MICRO SD CARD

COMBO CONNECTOR PIN ASSIGNMENT		
PIN	NAME	DESCRIPTION
SW-A	Card Detect Switch SW-1	SW-1 (Passive Switch)
SW-B	Card Detect Switch SW-2	SW-2 (Active Switch)
P1	Micro SD P1 (DAT2)	Data Bit 2
P2	Micro SD P2 (CD/DAT3)	Card Detect/Data Bit 3
P3	Micro SD P3 (CMD)	Command Line
P4	Micro SD P4 (VDD)	Supply Voltage 2.7v/3.6v
P5	Micro SD P5 (CLK)	Clock
P6	Micro SD P6 (VSS)	Ground
P7	Micro SD P7 (DAT0)	Data Bit 0
P8	Micro SD P8 (DAT1)	Data Bit 1
P9	Sim Card C7 (I/O)	In/Out [Data]
P10	Sim Card C3 (CLK)	Card Clock
P11	Sim Card C6 (VPP)	+21v DC
P12	Sim Card C2 (RST)	Card Reset
P13	Sim Card C5 (GND)	Ground
P14	Sim Card C1 (VCC)	+5v or 3.3v DC

By	ASE
DETAIL	DRAWING RELEASE
REV	A
DATE	30/11/10



Tolerances (Except as noted)	Part Number:-	Date:-
Dimensions in mm	MES3051	30 NOV 10
X.X ± 0.20 X.° ± 1°	Description:-	
X.XX ± 0.15 X.X° ± 0.5°	2 IN 1 COMBO CONNECTOR, MICRO SD MEMORY CARD, PUSH-PUSH, REVERSE ENTRY/SIM CARD, PUSH-PULL, SMT, 2.70MM PROFILE, WITH LOCATING POST	
X.XXX ± 0.05 X.XX° ± 0.25°	© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	
Third Angle Projection	Scale NTS	Revision A

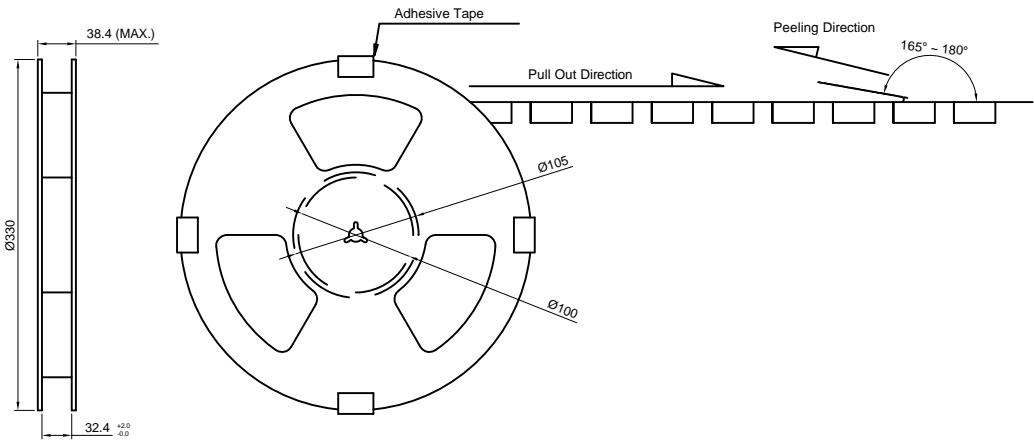
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Material See Note	Drawn by ASE	Sheet No. E & OE 3/5
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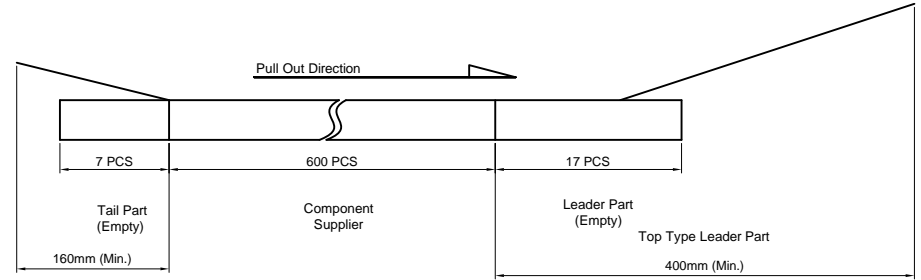
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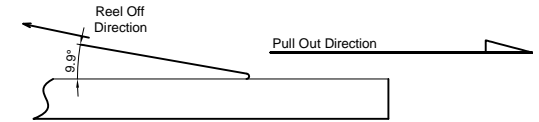
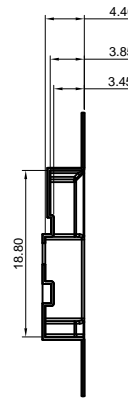
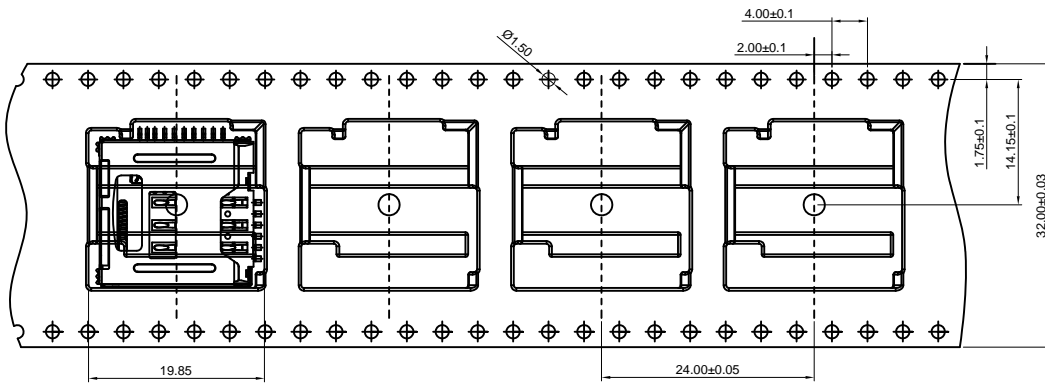
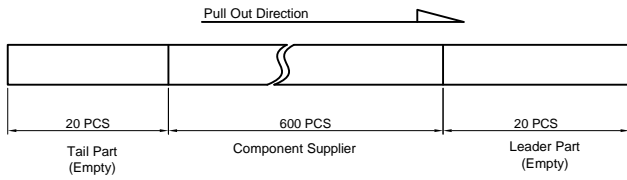


NOTE 注意:

1. 包装数量 Package quantity
600pcs 每卷 600 pieces per reel
5卷每箱 5 reels per carton
共3000pcs每箱 Total 3000 pieces per carton
2. 包装带内圈留空160mm min. 外圈留空400mm min.
160mm min empty tape from the beginning and 400mm min empty tape at the end of the tape.



3. Peel off strength 0.1-1.3N , peel off direction as below.



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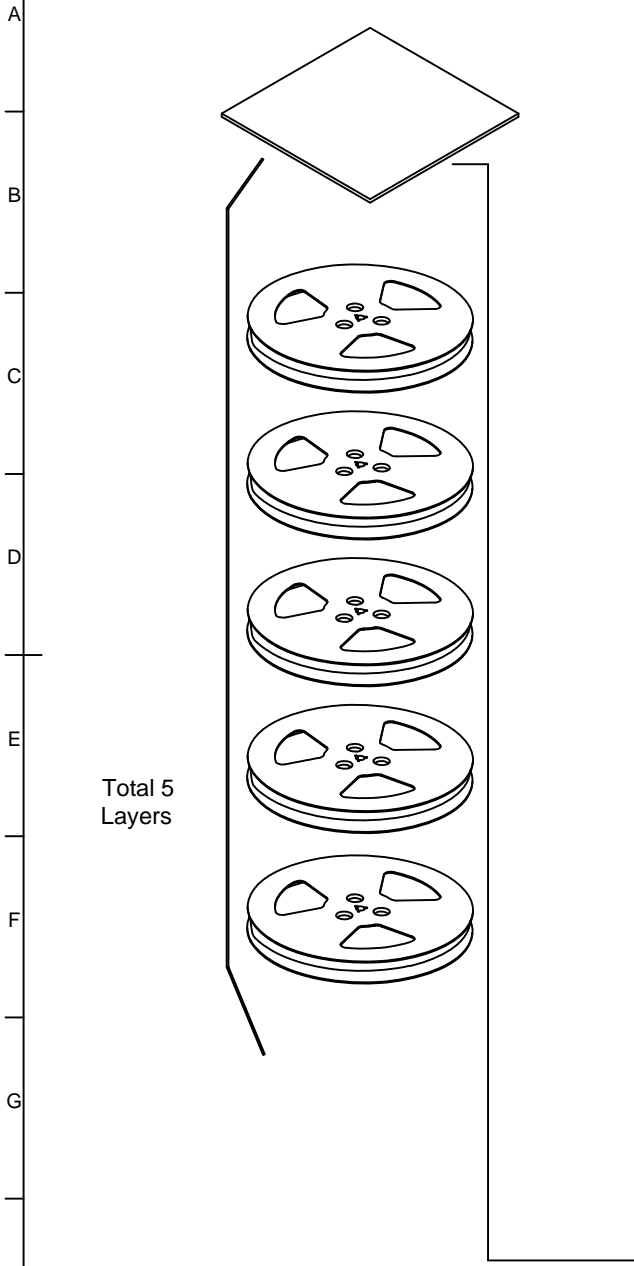


Tolerances (Except as noted)	Part Number:- MES3051	Date:- 30 NOV 10
Dimensions in mm	Description:-	
	2 IN 1 COMBO CONNECTOR, MICRO SD MEMORY CARD, PUSH-PUSH, REVERSE ENTRY/SIM CARD, PUSH-PULL, SMT, 2.70MM PROFILE, WITH LOCATING POST	
Third Angle Projection	© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	

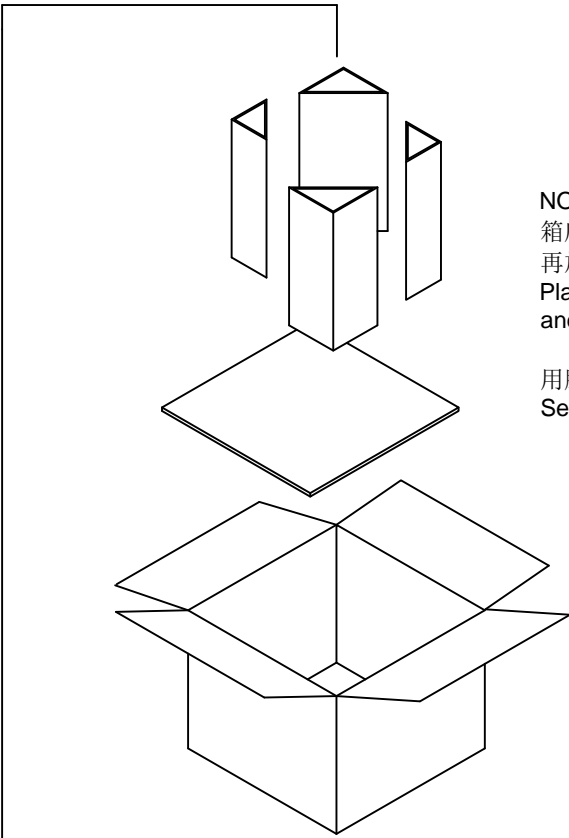
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Scale NTS	Revision A	Material See Note	Drawn by ASE	E & OE	Sheet No. 4/5
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Total 5 Layers



NOTE注意:

箱底放上隔板，箱内四角放上三角板。将5盘产品放入PE防水袋，再放干燥剂一包。用胶带封住防水袋，放入纸箱。盖上隔板。

Place a sheet of cardboard on the bottom of the carton, 5 reels wrapped in a PE bag and one piece of desiccant per carton, and then one cardboard sheet on top of the bag.

用胶带将纸箱封口，贴标签。

Seal the carton by tape and labeling.

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DETAIL	DRAWING RELEASE
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Tolerances (Except as noted)	Part Number:- MES3051	Date:- 30 NOV 10
Dimensions in mm	Description:- 2 IN 1 COMBO CONNECTOR, MICRO SD MEMORY CARD, PUSH-PUSH, REVERSE ENTRY/SIM CARD, PUSH-PULL, SMT, 2.70MM PROFILE, WITH LOCATING POST	
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