

RoHS Compliant

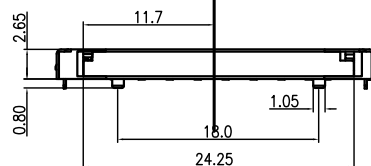
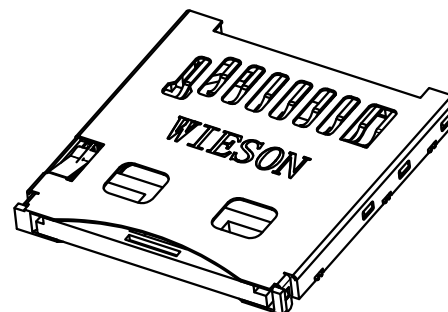
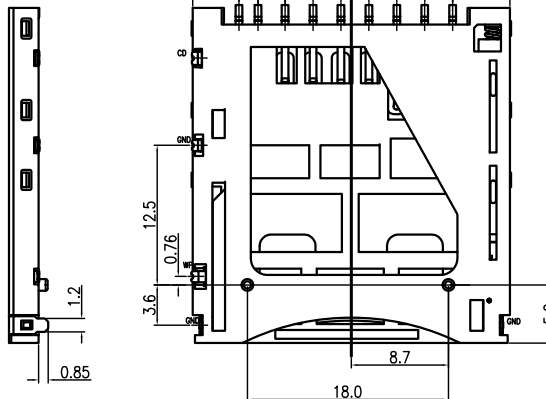
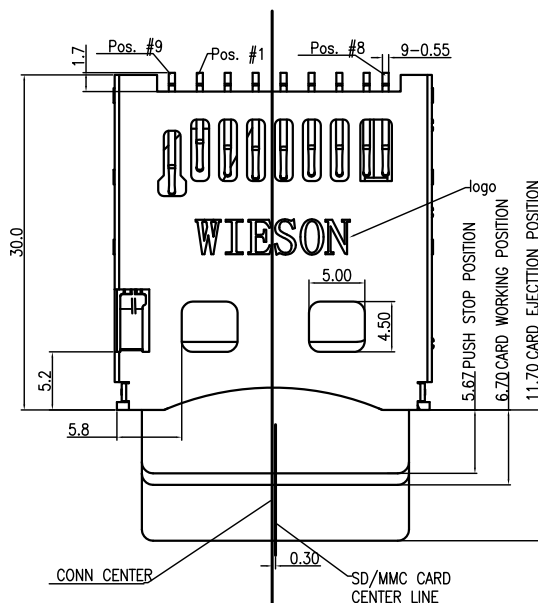
G6173 SERIES SD CARD

Customer Drawing

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	17.11.01	PROPOSAL		SKY

Specification

- Electrical Characteristics :
 - Contact Current Rating:0.5A.
 - Contact Resistance:100mOHMS MAX.(INITIAL)
40m OHMS MAX Change (After Life Test)
 - Dielectric Withstanding Voltage:500V AC RMS.
 - Insulation Resistance:1000M ohms MIN.
After Test 100m ohms MIN.
 - Operating Current:0.1A MAX.
- Mechanical Characteristics:
 - Card Mating Force:40N MAX.
 - Durability:10000 Cycles.
- Environment Characteristics:
 - Operating Temperature:-25°C to 60°C .
 - Storage Temperature:-40°C ~85°C .
- Card Operation Guide:
 - Compatible Card: SD&SDIO&MMC Card.
 - Card Insert Direction:
The Card Side With Electric PAD Should be
Mated With Top Shield.
- Recommended Peak Temperature OF Customer IR
Process is 260±5°C.
- All SMT Contacts And PADS Co-planarity:0.10mm MAX
- Don't Permit to be Taken SMT Re-flow Process When
Push-Push Feature is in Lock Status.



GENERAL TOLERANCE X.X = ±0.20 X.XX = ±0.15 X.X° = ±3° 	WIESON TECHNOLOGIES CO., LTD		PART NO.: G6173-780001XX-00	
	DRAWN BY	MZH	DRAWING NO.	G6173-780001XX-00
	CHECKED BY	SKY	DRAWING SIZE	1 : 1 A4
	APPROVED BY	JIM	UNIT	mm
	SORTING NO.	(WSC)	PAGE	1 OF 2

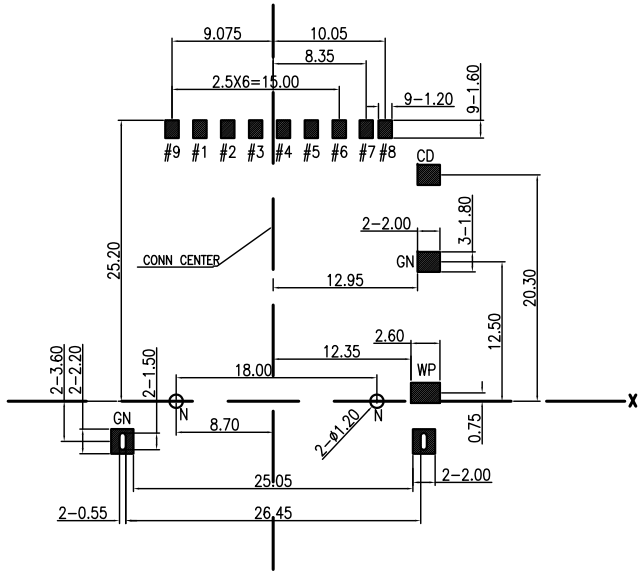
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NOTE

- 1) MATERIAL :
- HOUSING : HIGH TEMPERATURE THERMOPLASTIC (UL94-0),COLOR:BLACK
SLIDEWAY: HIGH TEMPERATURE THERMOPLASTIC (UL94-0),COLOR:BLACK
SHELL:STAINLESS STEEL
MAIN TERMINAL : COPPER ALLOY
CD PIN TERMINAL : COPPER ALLOY
GN TERMINAL : COPPER ALLOY
WP TERMINAL : COPPER ALLOY
SPRING:STAINLESS STEEL
LATCH NEEDLE:STAINLESS STEEL
- 2) PLATING :
- SHELL:WELDABLE Ni PLATED OVERALL,Au PLATED ON SOLDER TAIL AREA
MAIN TERMINAL : SELECTIVE Au PLATED ON CONTACT AREA
(SEE ORDER INFORMATION),Sn PLATED ON SOLDER TAIL AREA,
BOTH OVER Ni UNDERPLATED OVERALL.
OTHER TERMINAL : SELECTIVE Au ON CONTACT AREA G/F.
Sn PLATED ON SOLDER TAIL AREA,
BOTH OVER Ni UNDERPLATED OVERALL.
- 3) PACKING: T&R
- 4) ORDER INFORMATION :
Z-G6173-780001 XX-00
①

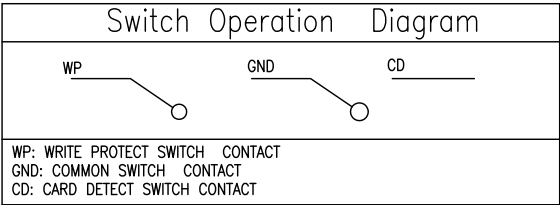


RECOMMEENDER PCB LAYOUT
TOLERANCE UNLESS OTHERWISE IS ± 0.05

PAD AREA
 KEEP AREA
 KEEP OUT AREA

- ① — { 01: 15u"Au
02: 1u"Au
03: 5u"Au
04: 30u"Au

ELECTRIC FUNCTION	WRITE PROAECT SWITCH				CARD DETECT SWITCH	
	WRITE UNABLE		WRITE ENABLE			
CARD NAME	MMC	SD	MMC	SD	MMC	SD
WITHOUT CARD		OPEN		OPEN	OPEN	OPEN
CARD INSERTED		OPEN		CLOSE	CLOSE	CLOSE
SWITCH DIAGRAM	WP-----GND				GND-----CD	



Connector terminal NO.	Pin NO.
Pin 1	CD/DAT3
Pin 2	CMD
Pin 3	VSS
Pin 4	VDD
Pin 5	CLK
Pin 6	VSS
Pin 7	DAT0
Pin 8	DATE1
Pin 9	DATE2

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