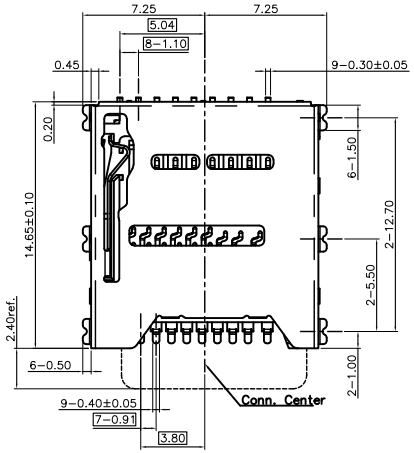
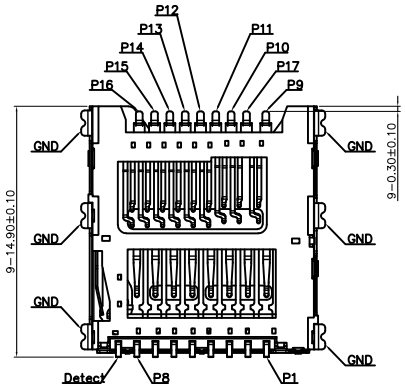
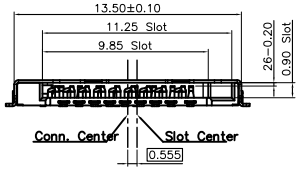
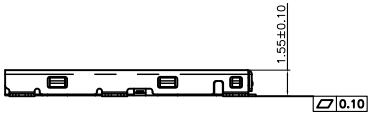
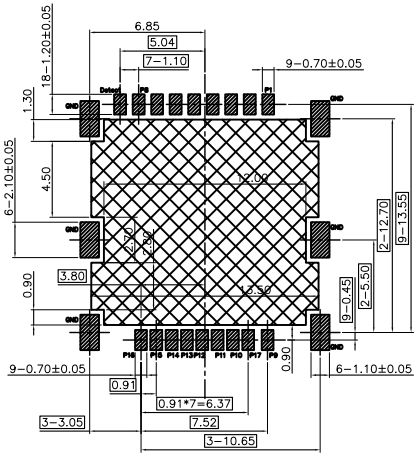










Recommended PCB Layout
Top View (Tolerance±0.05)

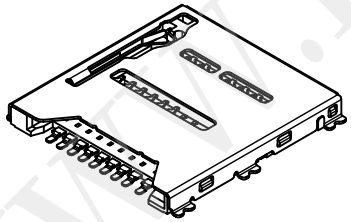
Pad Area

No Pattern and Via Hole Area

	Card Detect Switch
Card Uninsertion	Open
Card Insertion	Close

Open: GND — Detect

Close: GND — Detect



Pin No.	Pin Assignment (microSD Card)	Pin Assignment (UHS-II microSD Card)	Pin Assignment (microSD Express Card)
P1	Micro SD DAT2	Micro SD DAT2	Micro SD DAT2
P2	Micro SD CD/DAT3	Micro SD CD/DAT3	Micro SD CD/DAT3
P3	Micro SD CMD	Micro SD CMD	Micro SD CMD
P4	Micro SD VDD1	Micro SD VDD1	Micro SD VDD1
P5	Micro SD CLK	Micro SD CLK	Micro SD CLK
P6	Micro SD VSS	Micro SD VSS	Micro SD VSS
P7	Micro SD DAT0/RCLK+	Micro SD DAT0/RCLK+	Micro SD DAT0/RCLK+
P8	Micro SD DAT1/RCLK−	Micro SD DAT1/RCLK−	Micro SD DAT1/RCLK−
P9		Micro SD VDD2	Micro SD VDD2
P10		Micro SD VSS	Micro SD VSS
P11		Micro SD D0+	PCIe Tx +
P12		Micro SD D0−	PCIe Tx −
P13		Micro SD VSS	Micro SD VSS
P14		Micro SD D1−	PCIe Rx −
P15		Micro SD D1+	PCIe Rx +
P16		Micro SD VSS	VSS
P17		Micro SD SWIO	VDD3
Detect	Card Insert Detect		
GND	Shielding Ground		

Note:
1. Material:
   1-1. Plastic: LCP, Black, UL94V-0
   1-2. Contact: Copper Alloy
   1-3. Shell: Stainless Steel
2. Plating:
   2-1. Contact:
   Contact Area: Au 1u" min. Plating Over Ni 50u" min.
   Soldertail: Gold Flash Over Ni 50u" min.
   2-2. Shell:
   Solderability Ni 50μ" min. Over All
3. Contact And Tail Coplanarity To Be 0.10mm max.

深圳市华宇创精密电子有限公司

TOLERANCE: X.X ±0.30, X.XX ±0.25, X.XXX ±0.15, X.° ±2°, X.X° ±0.5°	DRAWED BY: 陈一鸣	DATE: 2014-02-23	PART NAME: TF 7.1 NO PUSH 1.55H
	CHECKED BY: 马跃	DATE: 2014-02-23	PART NO. HYC199-TF18-155
UNIT: mm [inch]			MOLD NO.
	APPROVED BY: 邱敏	DATE: 2014-02-23	DRAW NO: HYC-2611021529
SCALE:1:1 SIZE: A4			SHEET NO. 1 OF 1

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