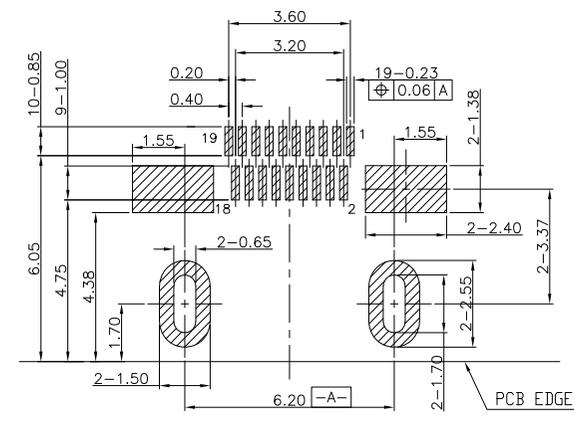
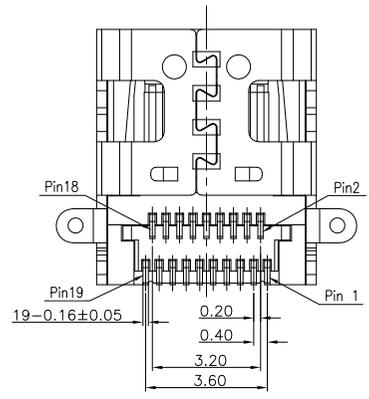
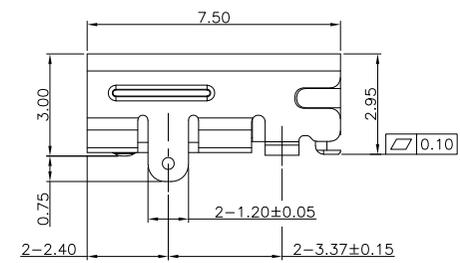
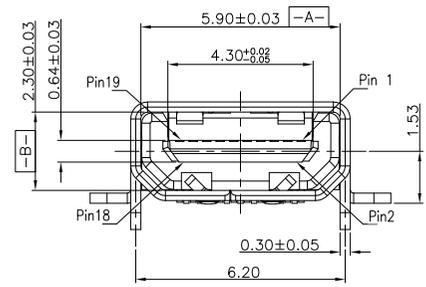
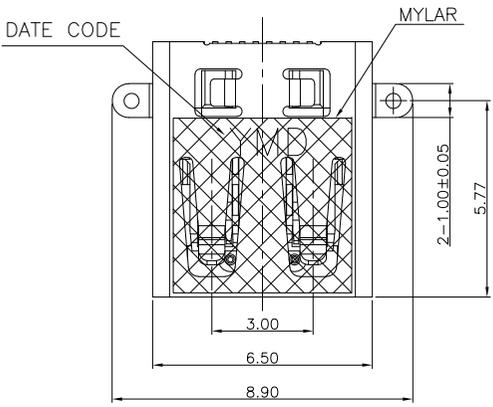


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2023/09/28	Hanson

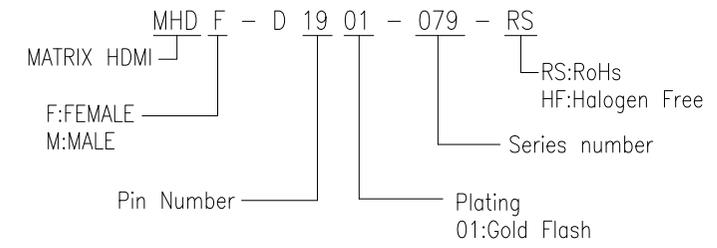
NOTES:

- MATERIAL:**
 - SHELL: C5191-H T=0.3mm
 - HOUSING: LCP E130i+30%G.F., BLACK UL94V-0
 - TERMINAL: C5191R-H T=0.12
 - MYLAR: AMBER T=0.08
- ELECTRICAL CHARACTERISTICS:**
 - CURRENT RATING: 0.3A
 - VOLTAGE RATING: 40V
 - CONTACT RESISTANCE: 10mΩ MAX.(Eclduing Conductor Resistance)
 - DIELECTRIC WITHSTANDING VOLTAGE: Unmated:250V AV RMS
Mated: 150V AC
 - INSULATION RESISTANCE: Unmated: 100mΩ Min. At 500v DC
Mated: 10mΩ Min. At 150v DC
- MECHANICAL CHARACTERISTICS:**
 - INSERTION FORCE : 4.5 Kgf MAX
 - WITHDRAWAL FORCE : 0.5~2.5 Kgf(INITIAL) , 0.3~2.5 Kgf(After 5000 cycles)
- DURABILITY:** 5,000 CYCLES.
- RoHS Compliant**
- PLATING:** 6.1 TERMINAL: GOLD FLASH PLATED ON CONTACT AREA AND MATTE TIN 50u" MIN ON SOLDER AREA, 50u" MIN NICKEL UNDERPLATE OVER ALL.
6.2 SHELL: 50u"MIN NICKEL PLATED



RECOMMENDED PCB LAYOUT (TOP VIEW)
(TOLERANCE: ±0.05mm)

MATRIX PART NO:



PIN	Signal Assignment
1	Hot Plug Detect
2	Utility
3	TMDS Data2+
4	TMDS Data2 Shield
5	TMDS Data2-
6	TMDS Data1+
7	TMDS Data1 Shield
8	TMDS Data1-
9	TMDS Data0+
10	TMDS Data0 Shield
11	TMDS Data0-
12	TMDS Clock+
13	TMDS Clock Shield
14	TMDS Clock-
15	CEC
16	DDC/CEC Ground
17	SCL
18	SDA
19	+5V Power

Matrix Electronics Co.,Ltd

TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.15 ANGLE: ±5°	DESIGN BY : Hanson Huang	DATE : 2023/09/28	PART NAME: HDMI TYPE D FEMALE SMT TYPE
	CHECKED BY: Vicky Hsieh	DATE : 2023/09/28	PART NO. MHDF-D1901-079-RS
	APPROVED BY1: Richard Hsieh	DATE : 2023/09/28	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/09/28	DRAW NO.
SCALE:1:1	SIZE:A4		SHEET NO. 1 of 1