

1 2 3 4 5 6 7 8

H

G

F

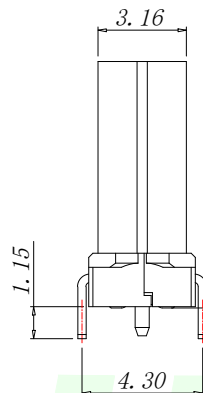
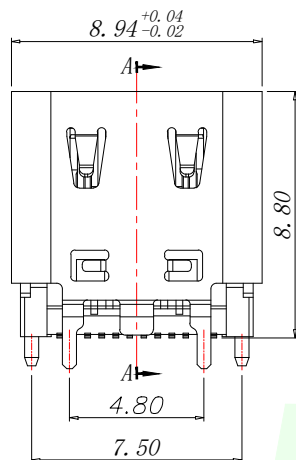
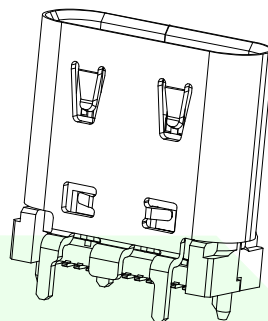
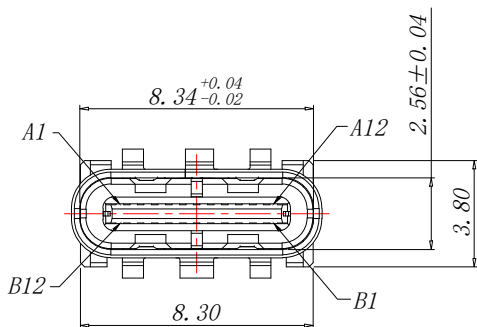
E

D

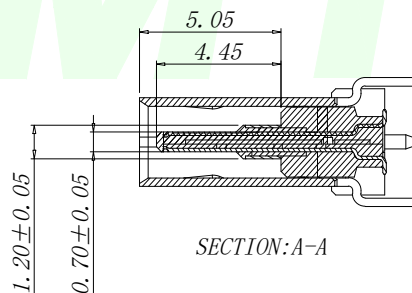
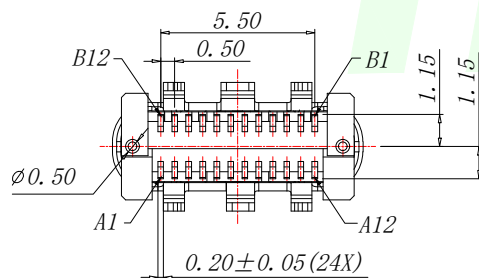
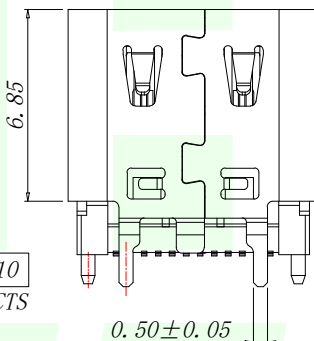
C

B

A



0.10
ALL CONTACTS



SECTION:A-A

NOTE:

1. MATERIAL SPECIFICATION:

1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0 (PA9T)
2. TERMINAL: COPPER ALLOY (C18150)
3. MID PLATE: STAINLESS STEEL (SUS301)
4. FRONT SHELL: STAINLESS STEEL (SUS304)
5. EMI PLATE: STAINLESS STEEL (SUS304)

2. PLATING SPECIFICATION:

- 2-1. TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS Au 3u")
SN PLATING THE SOLDER AREA.

2-2. FRONT SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3. MID PLATE&EMI PLATE:

CLEAR ONLY

3. MECHANICAL PERFORMANCE,

- 3-1. INSERTION FORCE: 0.5~2.0kgf.
- 3-2. REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3. DURABILITY: 10000 CYCLES.

4. ELECTRICAL PERFORMANCE,

- 4-1. VOLTAGE RATING: 5V.
CURRENT RATING: 5A.

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ /PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3. INSULATION RESISTANCE: 100MΩ MIN

4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -40° C~+85° C.

6. IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260° C.

GENERAL TOLERANCES
UNLESS SPECIFIED

.X±0.30	X°±10°
.XX±0.20	.X°±8°
.XXX±0.10	.XX°±5°

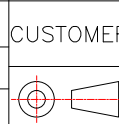
MANUFACTURE DWG



深圳市华明通电子有限公司

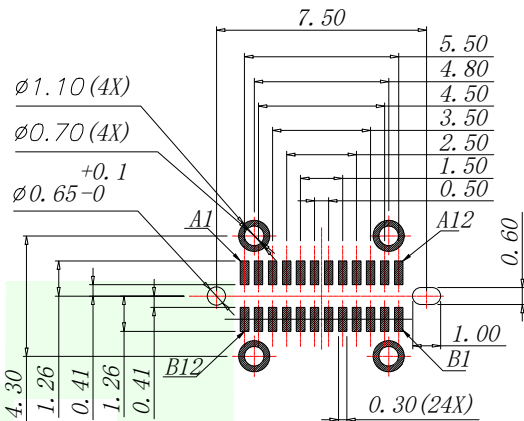
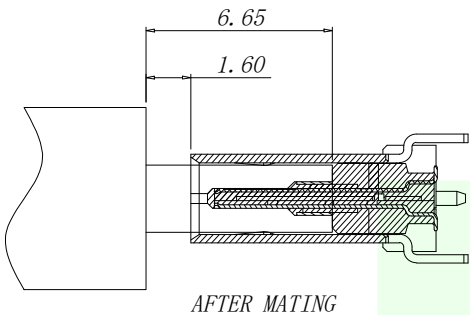
Shenzhen Huamingtong Electronics Co., Ltd

PART NO.	TITLE:	
HMT-TYPE-C-24P-288	USB CF VERTICAL (L=8.8)	
DESIGN: James	CUSTOMER	SIZE
CHED: Talen		A4
APPD: Sophia		SCALE
		N:A

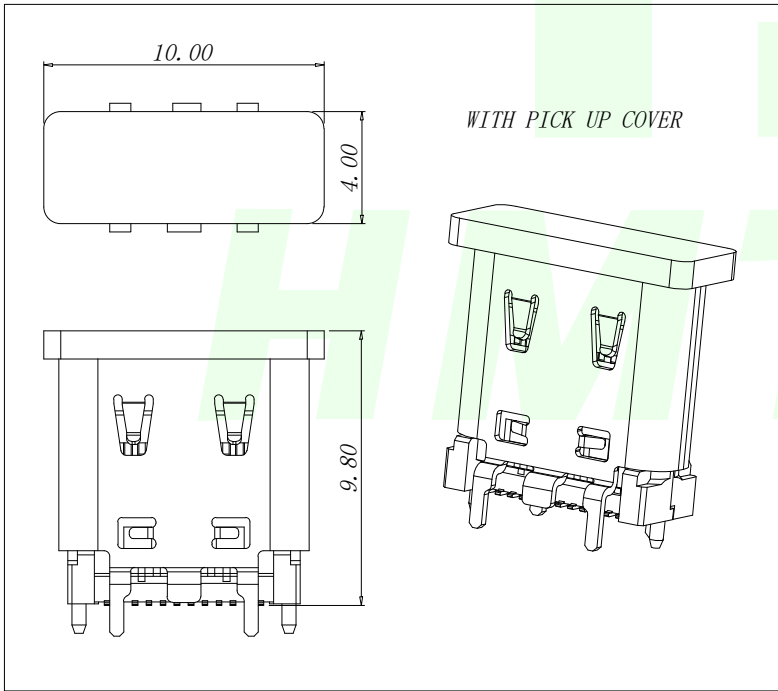


UNITS	SHEET
MM	
1/3	

1 2 3 4 5 6 7 8

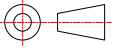


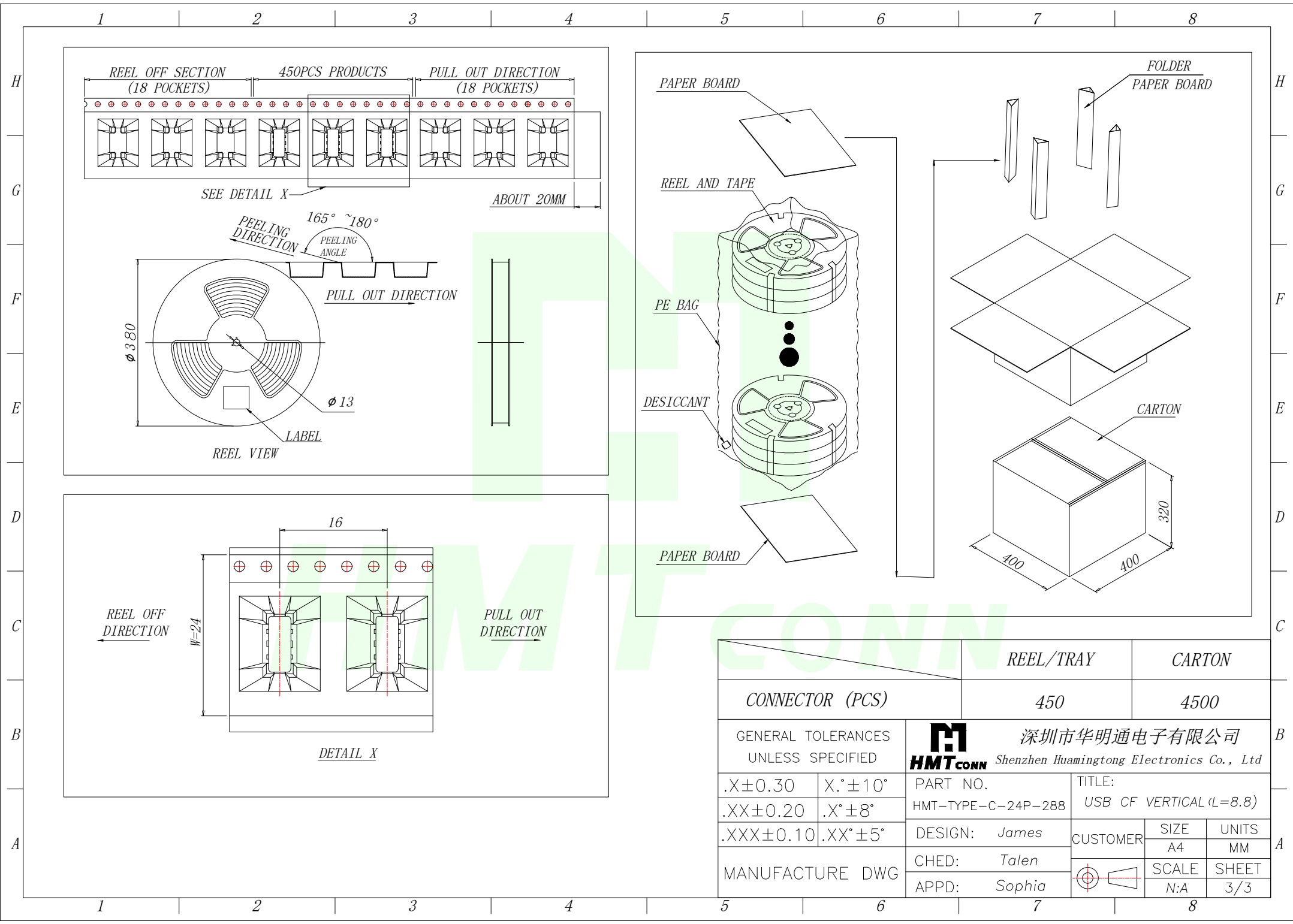
RECOMMENDED PCB LAYOUT (TOP VIEW)
THICKNESS 1.0±0.10MM; DEFAULT TOLERANCE: ±0.05

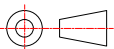


USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TXp1	B11	RXp1
A3	TXn1	B10	RXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RXn2	B3	TXn2
A11	RXp2	B2	TXp2
A12	GND	B1	GND

GENERAL TOLERANCES UNLESS SPECIFIED		 深圳市华明通电子有限公司 HMTconn Shenzhen Huamingtong Electronics Co., Ltd		
.X±0.30	X°±10°	PART NO.	TITLE:	
.XX±0.20	.X°±8°	HMT-TYPE-C-24P-288	USB CF VERTICAL (L=8.8)	
.XXX±0.10	.XX°±5°	DESIGN: James	CUSTOMER	SIZE
MANUFACTURE DWG		CHED: Talen		UNITS
		APPD: Sophia		SCALE
				SHEET
				N:A 2/3



		REEL/TRAY		CARTON	
CONNECTOR (PCS)		450		4500	
GENERAL TOLERANCES UNLESS SPECIFIED		HMTconn 深圳市华明通电子有限公司 Shenzhen Huamingtong Electronics Co., Ltd			
.X±0.30	X.°±10°	PART NO.	TITLE:		
.XX±0.20	.X.°±8°	HMT-TYPE-C-24P-288	USB CF VERTICAL (L=8.8)		
.XXX±0.10	.XX.°±5°	DESIGN: James	CUSTOMER	SIZE	UNITS
MANUFACTURE DWG		CHED: Talen		A4	MM
		APPD: Sophia		SCALE	SHEET
				N:A	3/3