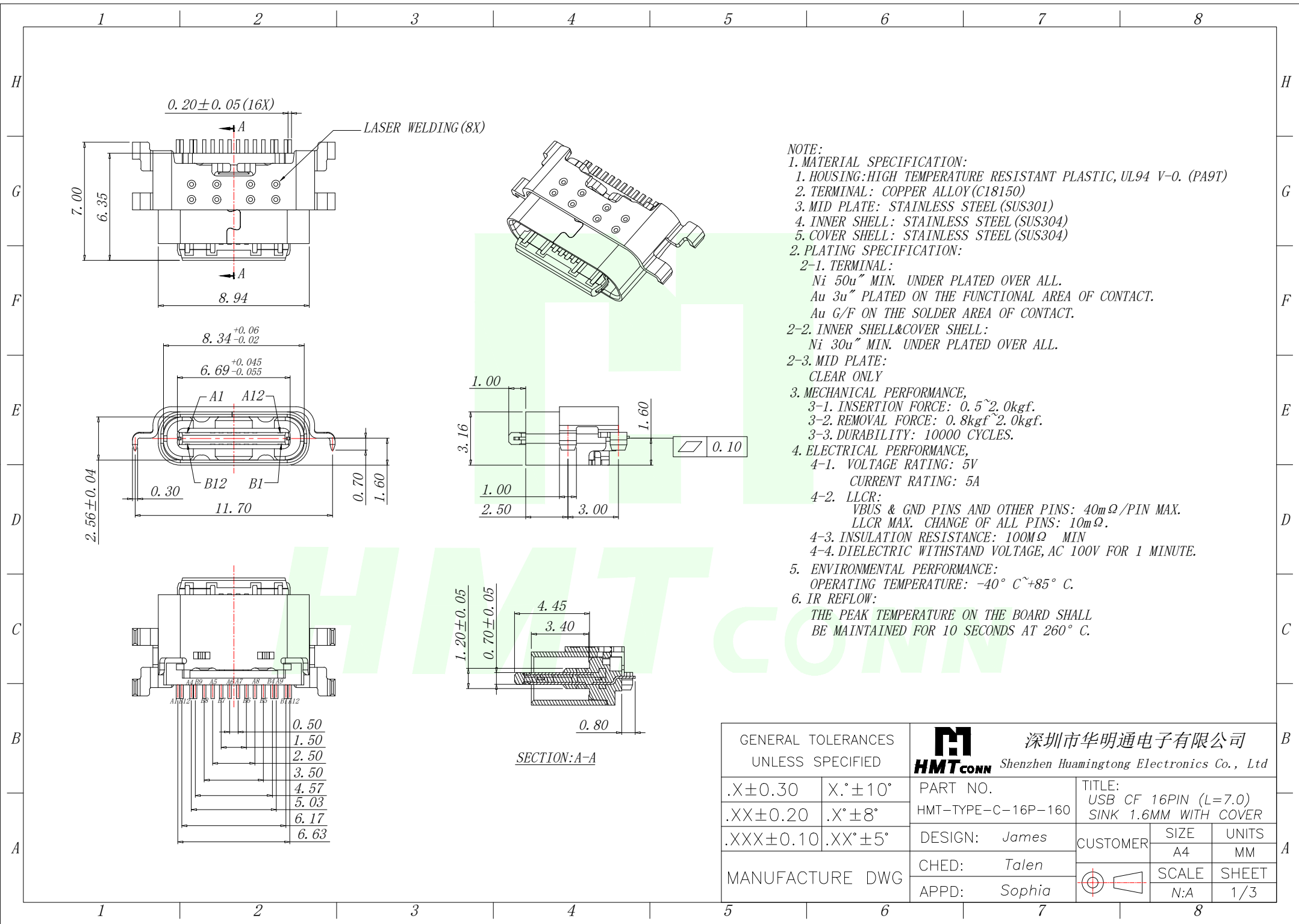




NOTE:

1. MATERIAL SPECIFICATION:

- HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0. (PA9T)
- TERMINAL: COPPER ALLOY (C18150)
- MID PLATE: STAINLESS STEEL (SUS301)
- INNER SHELL: STAINLESS STEEL (SUS304)
- COVER SHELL: STAINLESS STEEL (SUS304)

2. PLATING SPECIFICATION:

2-1. TERMINAL:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
- Au 3u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.
- Au G/F ON THE SOLDER AREA OF CONTACT.

2-2. INNER SHELL & COVER SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3. MID 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

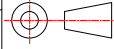
4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.

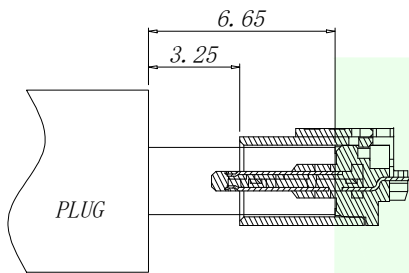
5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -40° C ~ +85° C.

6. IR REFLOW:

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

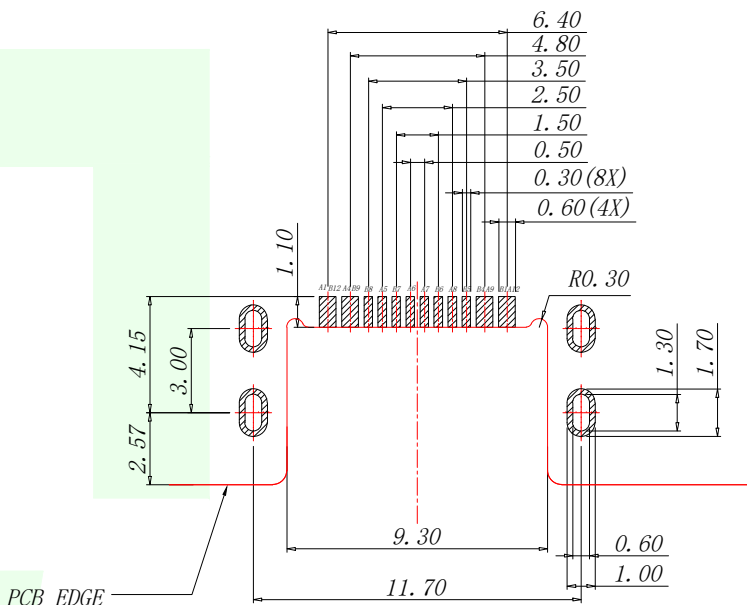
GENERAL TOLERANCES UNLESS SPECIFIED		 深圳市华明通电子有限公司 Shenzhen Huamingtong Electronics Co., Ltd		
.X ± 0.30	X.° ± 10°	PART NO.	TITLE: USB CF 16PIN (L=7.0) SINK 1.6MM WITH COVER	
.XX ± 0.20	X.° ± 8°	HMT-TYPE-C-16P-160	CUSTOMER	SIZE
.XXX ± 0.10	XX° ± 5°	DESIGN: James		UNITS
MANUFACTURE DWG		CHED: Talen		SCALE
		APPD: Sophia		SHEET
			N:A	1/3



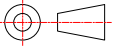
AFTER MATING

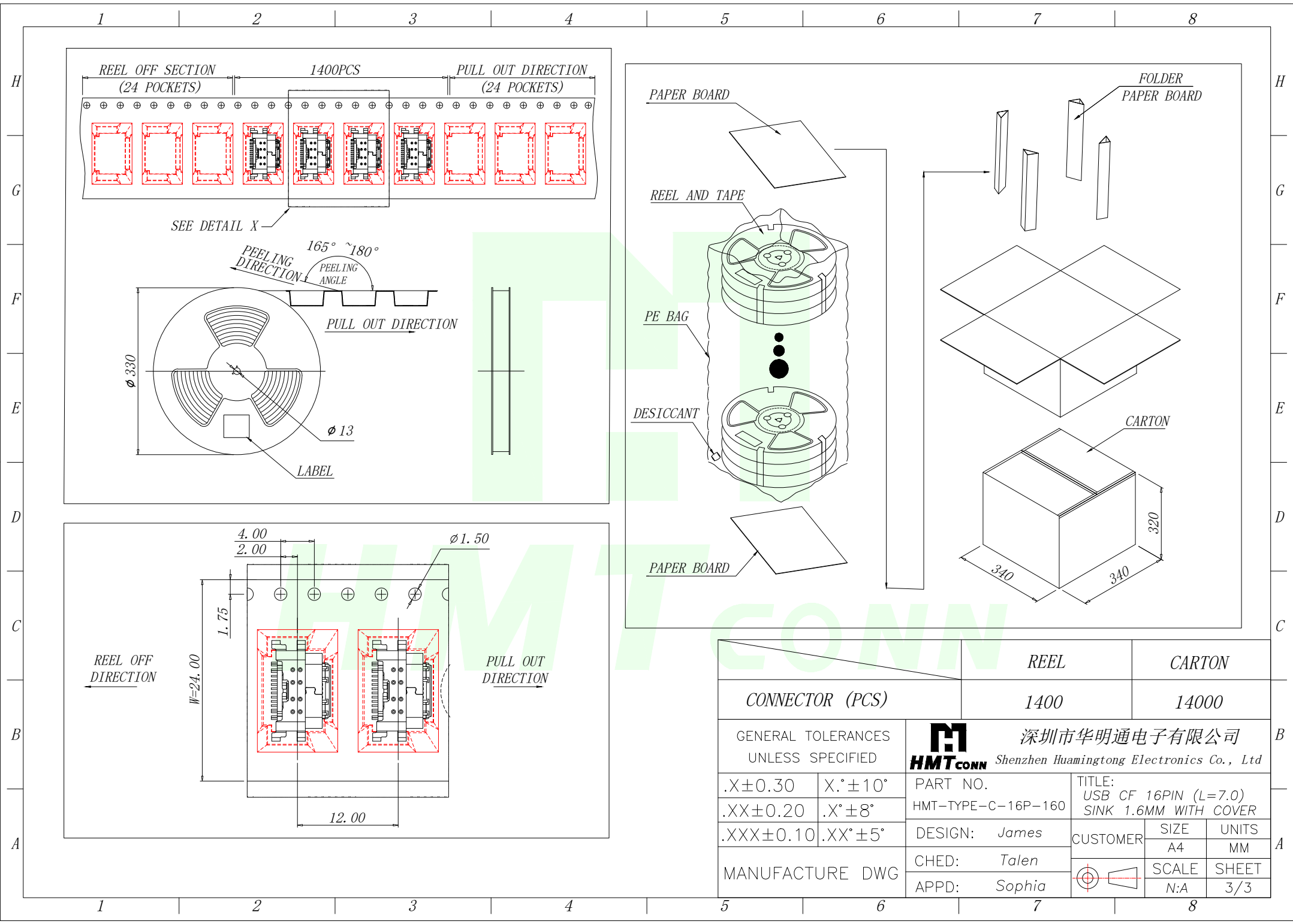
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT (TOP VIEW)
THICKNESS 0.60MM; DEFAULT TOLERANCE: ± 0.05

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. $^{\circ} \pm 10^{\circ}$	PART NO.	TITLE: USB CF 16PIN (L=7.0) SINK 1.6MM WITH COVER	
.XX ± 0.20	.X. $^{\circ} \pm 8^{\circ}$	HMT-TYPE-C-16P-160		
.XXX ± 0.10	.XX. $^{\circ} \pm 5^{\circ}$	DESIGN: James	CUSTOMER	SIZE
MANUFACTURE DWG		CHED: Talen		UNITS
		APPD: Sophia		SCALE
				SHEET
				N:A
				2/3



		REEL		CARTON	
CONNECTOR (PCS)		1400		14000	
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-16P-160	USB CF 16PIN (L=7.0)		
.XXX±0.10	.XX.°±5°	DESIGN: James	CUSTOMER	SIZE	UNITS
MANUFACTURE DWG		CHED: Talen		A4	MM
		APPD: Sophia		SCALE	SHEET
				N:A	3/3