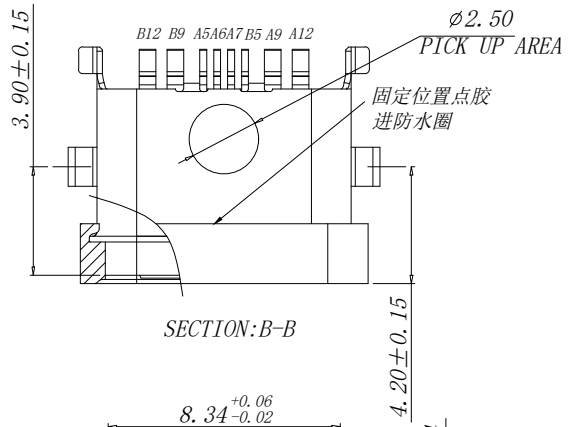
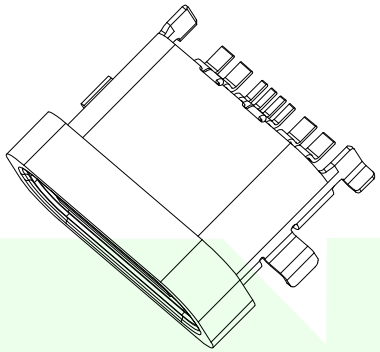
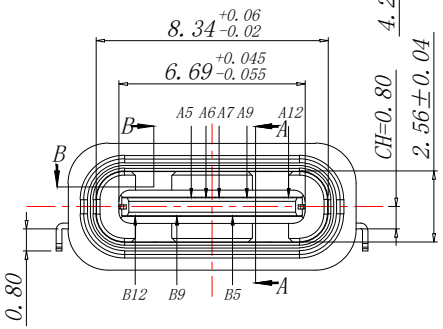
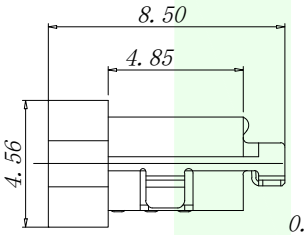
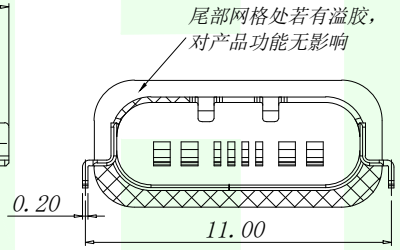
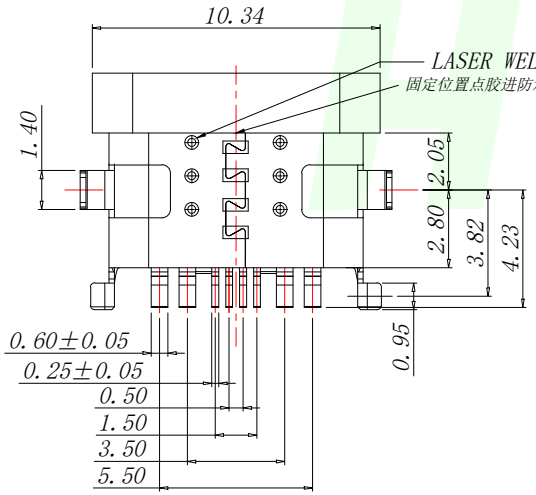


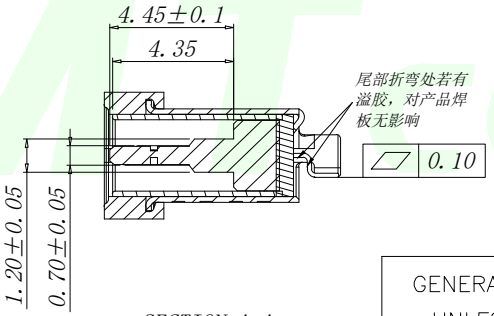












SECTION:A-A

NOTE:

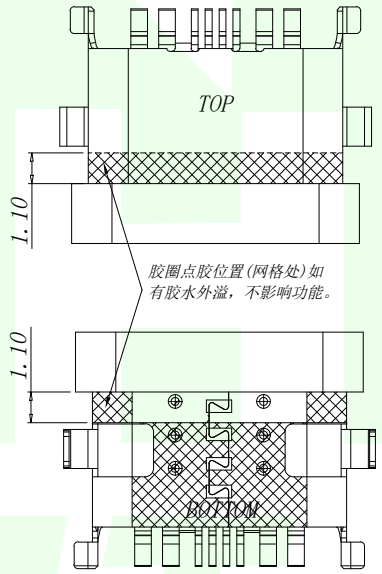
1. MATERIAL SPECIFICATION:
   1. HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
   2. TERMINAL: COPPER ALLOY
   3. MID PLATE: STAINLESS STEEL
   4. INNER SHELL: STAINLESS STEEL
   5. OUT SHELL: STAINLESS STEEL
   6. GLUE:EPOXY
   7. O-RING:GLUE
2. PLATING SPECIFICATION:
   2-1. TERMINAL:
   PLATING NICKEL 50u" MIN. OVER ALL.
   Au G/F PLATED ON CONTACT AREA.
   SN PLATED ON SOLDERING AREA.
   2-2. OUT SHELL:
   PLATING NICKEL 50u" MIN. OVER ALL.
   2-3. INNER SHELL &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:5 V DC/AC (RMS. max)
   CURRENT RATING:3 AMPS. FOR TOTAL VBUS/GND PINS;
   1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
   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.
7. WATERPROOF:IPX5

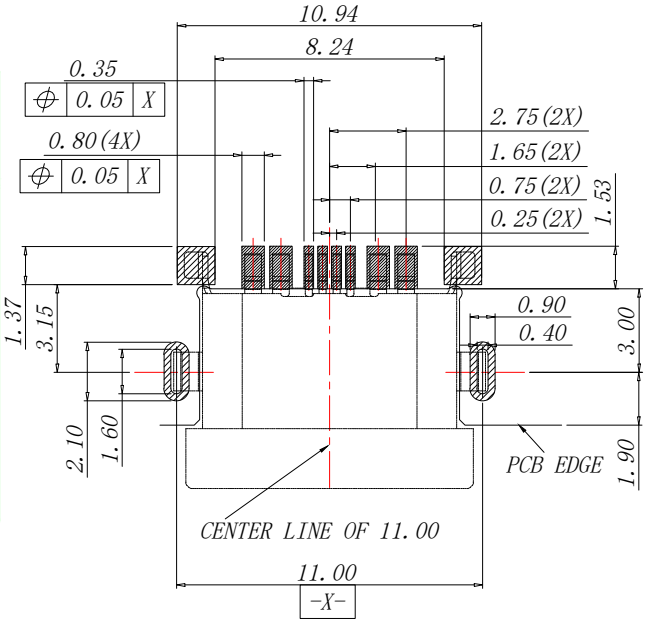
GENERAL TOLERANCES UNLESS SPECIFIED		深圳市华明通电子有限公司 Shenzhen Huamingtong Electronics Co., Ltd		
.X±0.30	X.°±10	PART NO. HMT-TYPE-C-16P-X5G	TITLE: USB TYPE C 8pos CH=0.80 R/A WATERPROOF	
.XX±0.20	.X°±8°			
.XXX±0.10	.XX°±5°	DESIGN: James	CUSTOMER	SIZE / UNITS: A4 / MM
MANUFACTURE DWG		CHED: Talen		SCALE / SHEET: N:A / 1/3
		APPD: Sophia		

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	
A2	
A3	
A4	
A5	CC1
A6	D+
A7	D-
A8	
A9	VBUS
A10	
A11	
A12	GND

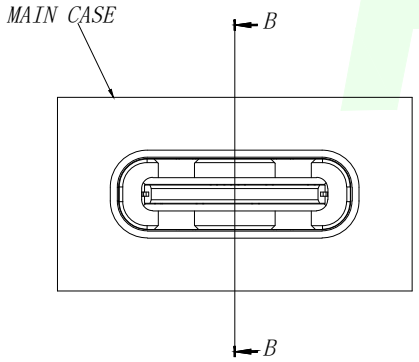
PIN NUMBER	SIGNAL NAME
B12	GND
B11	
B10	
B9	VBUS
B8	
B7	
B6	
B5	CC2
B4	
B3	
B2	
B1	

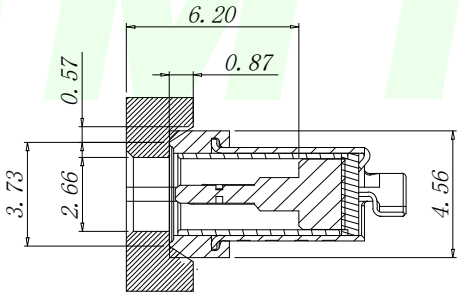




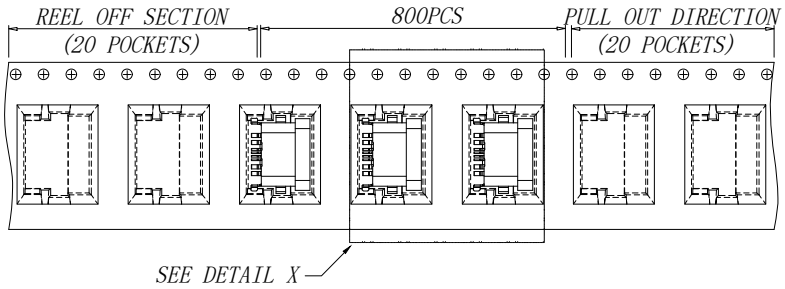
RECOMMENDED PCB LAYOUT
DEFAULT TOLERANCE:±0.05

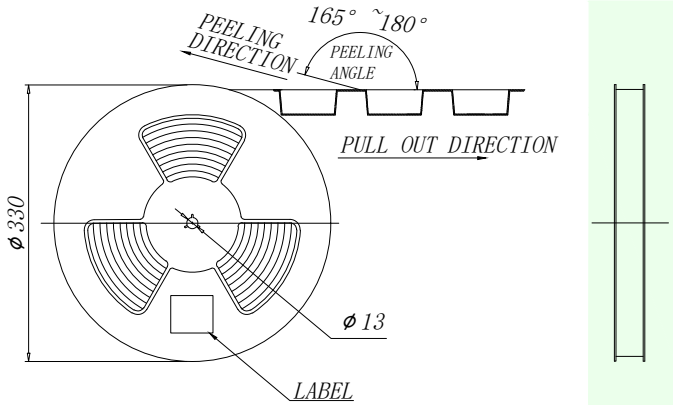
RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING

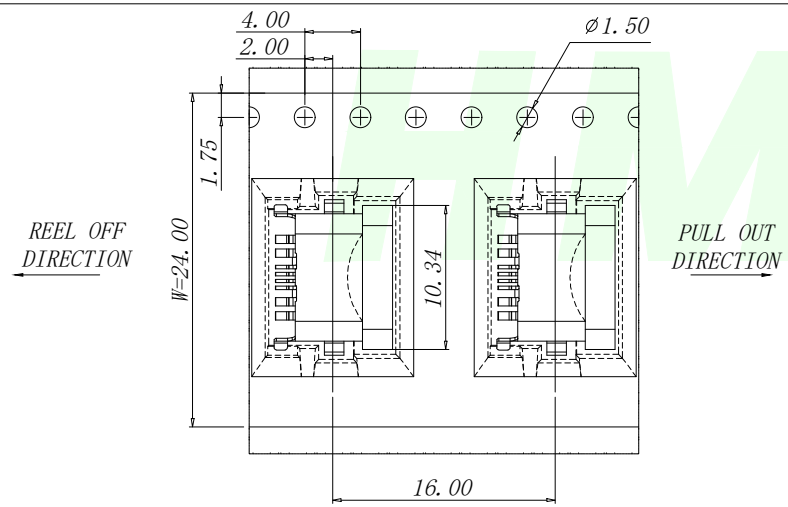


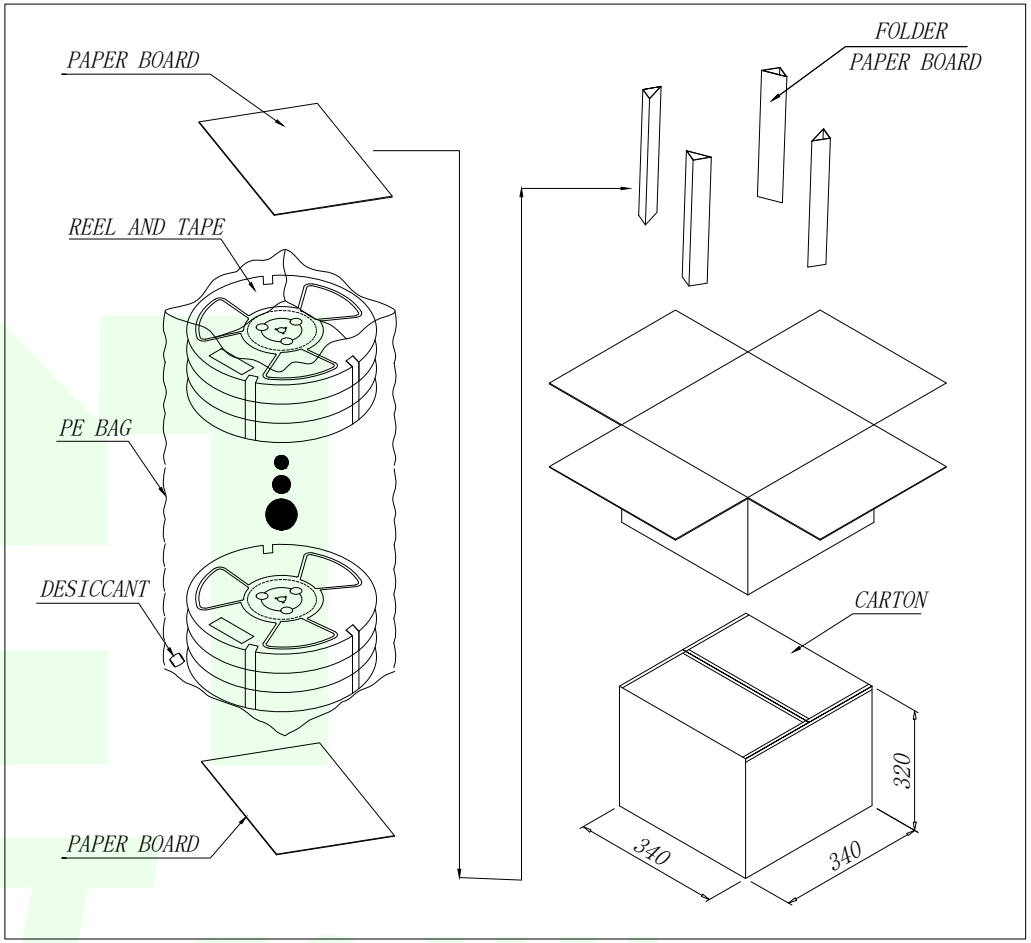


GENERAL TOLERANCES UNLESS SPECIFIED		深圳市华明通电子有限公司 Shenzhen Huamingtong Electronics Co., Ltd		
.X±0.30	X.°±10	PART NO. HMT-TYPE-C-16P-X5G	TITLE: USB TYPE C 8pos CH=0.80 R/A WATERPROOF	
.XX±0.20	.X°±8°			
.XXX±0.10	.XX°±5°	DESIGN: James	CUSTOMER	SIZE / UNITS: A4 / MM
MANUFACTURE DWG		CHED: Talen		SCALE / SHEET: N:A / 2/3
		APPD: Sophia		









	REEL	CARTON
CONNECTOR (PCS)	800	8000

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.	HMT-TYPE-C-16P-X5G
DESIGN:	James
CHED:	Talen
APPD:	Sophia

TITLE: USB TYPE C 8pos CH=0.80 R/A WATERPROOF

CUSTOMER	SIZE	UNITS
	A4	MM
	SCALE	SHEET
	N:A	3/3