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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
A1		REVISED PER ECN-25-354741	18NOV2025	MK	SSM

NOTES:

1. MATERIAL:  
 1, HOUSING : THERMOPLASTIC UL-94-V-0 BLACK  
 2, CAP : THERMOPLASTIC UL-94-V-0 NATURAL  
 3, CONTACT & PEG - COPPER ALLOY  
 PLATING - PEG : 2.5μm MIN Sn OVER 1.25μm MIN Ni  
 PLATING - CONTACT : 0.075μm GOLD OVER Ni

2. ELECTRICAL : CONTACT RESISTANCE - 100 mΩ MAX (INITIAL)  
 120 mΩ MAX (FINAL)  
 CONTACT RATING - 0.5Amp  
 INSULATION RESISTANCE - 500 MΩ  
 DIELECTRIC VOLTAGE - 250V AC

3. ENVIRONMENTAL : OPERATION TEMPERATURE - -40 +125°C  
 SOLDERING PROCESS CAPABILITY - 260°C

4. MECHANICAL LIFE : 50 CYCLES  
 INSERTION FORCE - 2.45N/PIN MAX  
 WITHDRAWAL FORCE - 0.05N/PIN MIN

With cap

Recommended P.C.B layout(Top side)  
(PCB board tolerance±0.05 )

PART NUMBER	No.of Pins	A	B	C	D	E	F	G
2487881-3	30	11.2	13.0	14.4	16.3	16.16	11.2	10.8
2487881-4	40	15.2	17.0	18.4	20.3	20.16	15.2	14.8
2487881-5	50	19.2	21.0	22.4	24.3	24.16	19.2	18.8
2487881-6	60	23.2	25.0	26.4	28.3	28.16	23.2	22.8
2487881-7	70	27.2	29.0	30.4	32.3	32.16	27.2	26.8
2487881-8	80	31.2	33.0	34.4	36.3	36.16	31.2	30.8
1-2487881-0	100	39.2	41.0	42.4	44.3	44.16	39.2	38.8
1-2487881-2	120	47.2	49.0	50.4	52.3	52.16	47.2	46.8

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	SUJANLAL	26JUN2024		TE Connectivity				
DIMENSIONS: mm		CHK	SUJANLAL	26JUN2024		NAME				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	SATHISH	26JUN2024		0.8MM BOARD TO BOARD CONN. PLUG SMT TYPE H=7.80MM				
0 PLC ± 0.50 1 PLC ± 0.30 2 PLC ± 0.20 3 PLC ± - 4 PLC ± - ANGLES ± 1°		PRODUCT SPEC	APPLICATION SPEC			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
MATERIAL		FINISH	WEIGHT	0	A2	00779	C=2487881	-	-	
CUSTOMER DRAWING					SCALE	1:1	SHEET	1 of 2	REV	A1

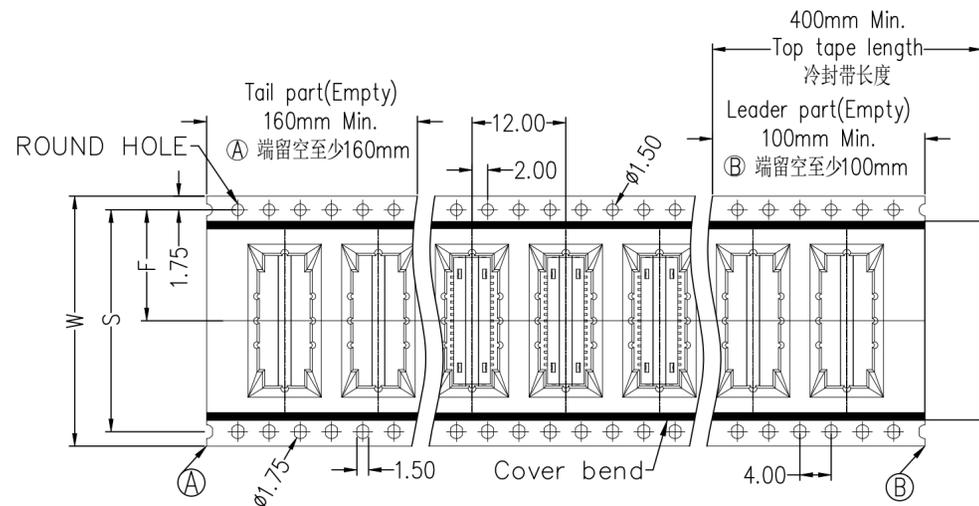
1471-9 (1/15)

2487881

B

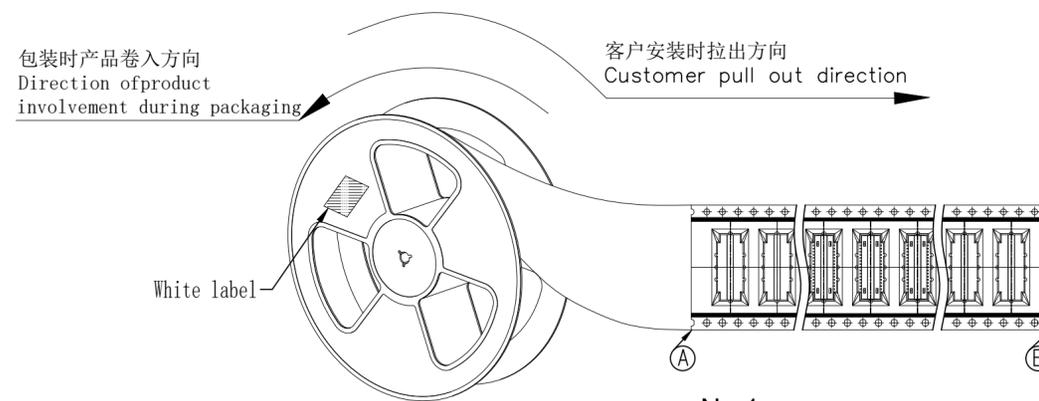
A

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



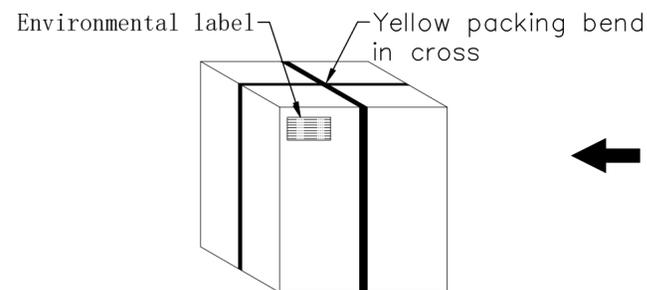
包装时产品卷入方向  
Direction of product  
involvement during packaging

客户安装时拉出方向  
Customer pull out direction



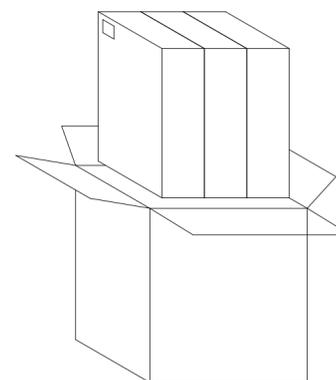
**No.1:**

Before package, pay attention to leave more than 160mm(min) empty, after put the products into the carrier groove, packing with the cover bend then, Note: the tension between tape and cover bend is 30g~120g



Outer Box: CTN-18K

**No.4:**  
Seal, pack, label.



Inner Box: CTN-18E

**No.3:**  
Put inner box into outer box, (3pcs inner box/outer box) pay attention to the unified label direction

**No.2:**

Pack the reel in the PE-32 waterproof bag packing, put 1pcs drying agent, seal it with vacuum machine and put it into the inner box, seal it with sealing glue, with labels.

PIN	TE P/N	W	S	F	PCS/Reel	PCS/Inner Box	PCS/Outer Box
30	2487881-3	32.0±0.30	28.40±0.15	14.20±0.15	550	1100	3300
40	2487881-4	44.0±0.30	40.40±0.15	20.20±0.15	550	1100	3300
50	2487881-5	44.0±0.30	40.40±0.15	20.20±0.15	550	1100	3300
60	2487881-6	56.0±0.30	52.40±0.15	26.20±0.15	550	550	1650
70	2487881-7	56.0±0.30	52.40±0.15	26.20±0.15	550	550	1650
80	2487881-8	56.0±0.30	52.40±0.15	26.20±0.15	550	550	1650
100	1-2487881-0	72.0±0.30	68.40±0.15	34.20±0.15	550	550	1650
120	1-2487881-2	72.0±0.30	68.40±0.15	34.20±0.15	550	550	1650

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DIMENSIONS: mm		CHK SUJANLAL 26JUN2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SATHISH 26JUN2024	NAME 0.8MM BOARD TO BOARD CONN. PLUG SMT TYPE H=7.80MM	
0 PLC ± 0.50		PRODUCT SPEC	SIZE A2	CAGE CODE 00779
1 PLC ± 0.30		APPLICATION SPEC	DRAWING NO C=2487881	RESTRICTED TO
2 PLC ± 0.20			SCALE 1:1	SHEET 2 of 2
3 PLC ± -			REV A1	
4 PLC ± -				
ANGLES ± 1°				
MATERIAL		WEIGHT 0		
FINISH		CUSTOMER DRAWING		