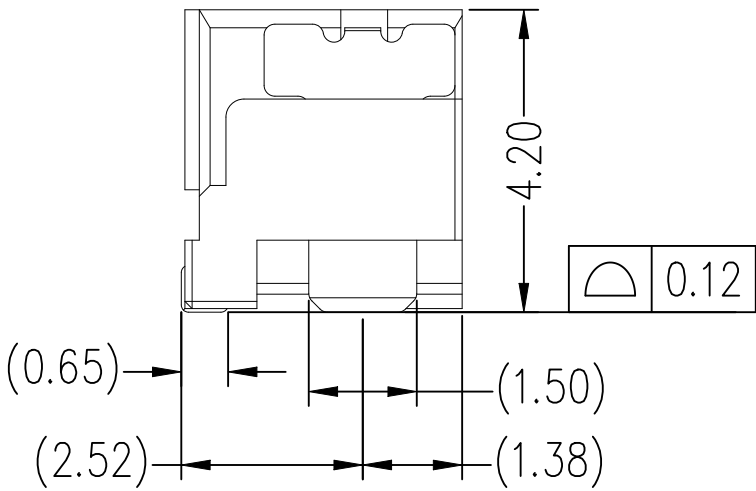
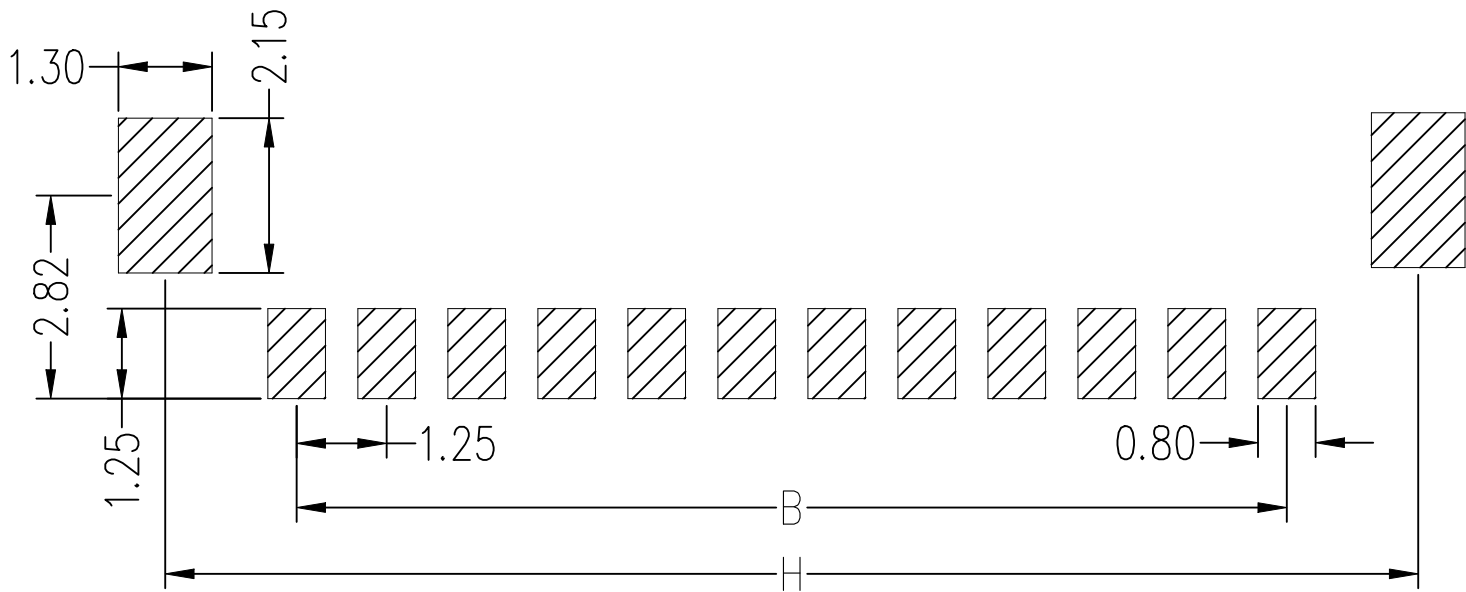
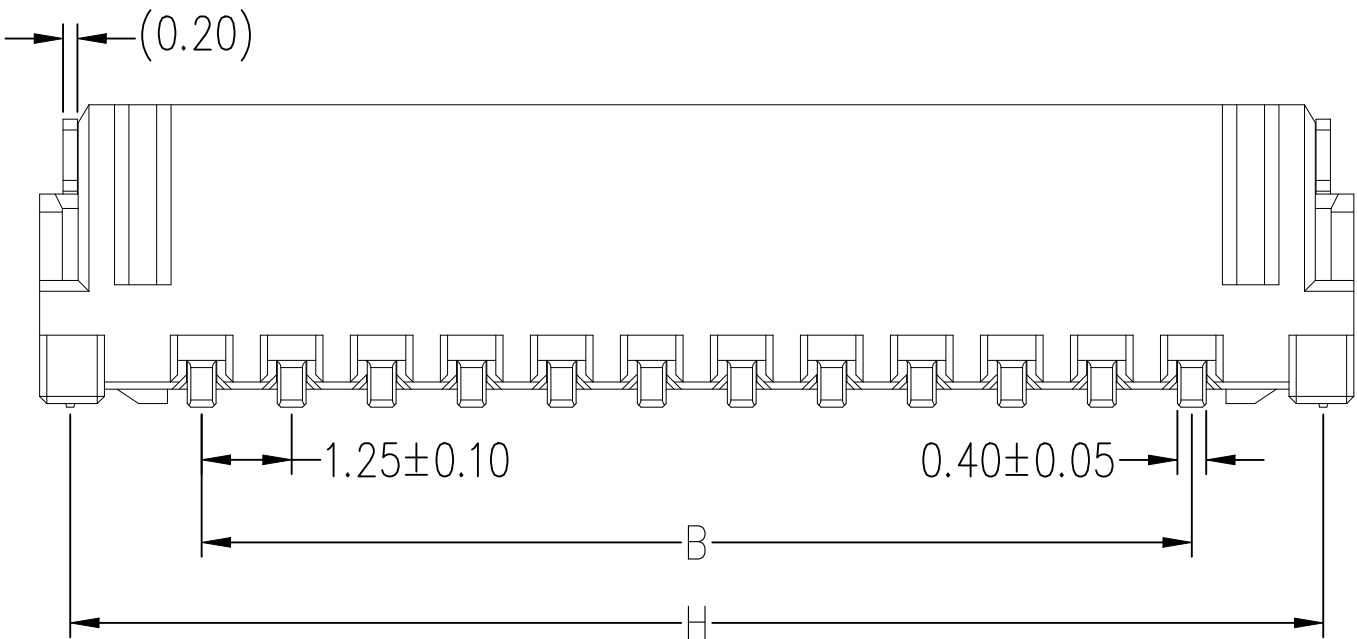
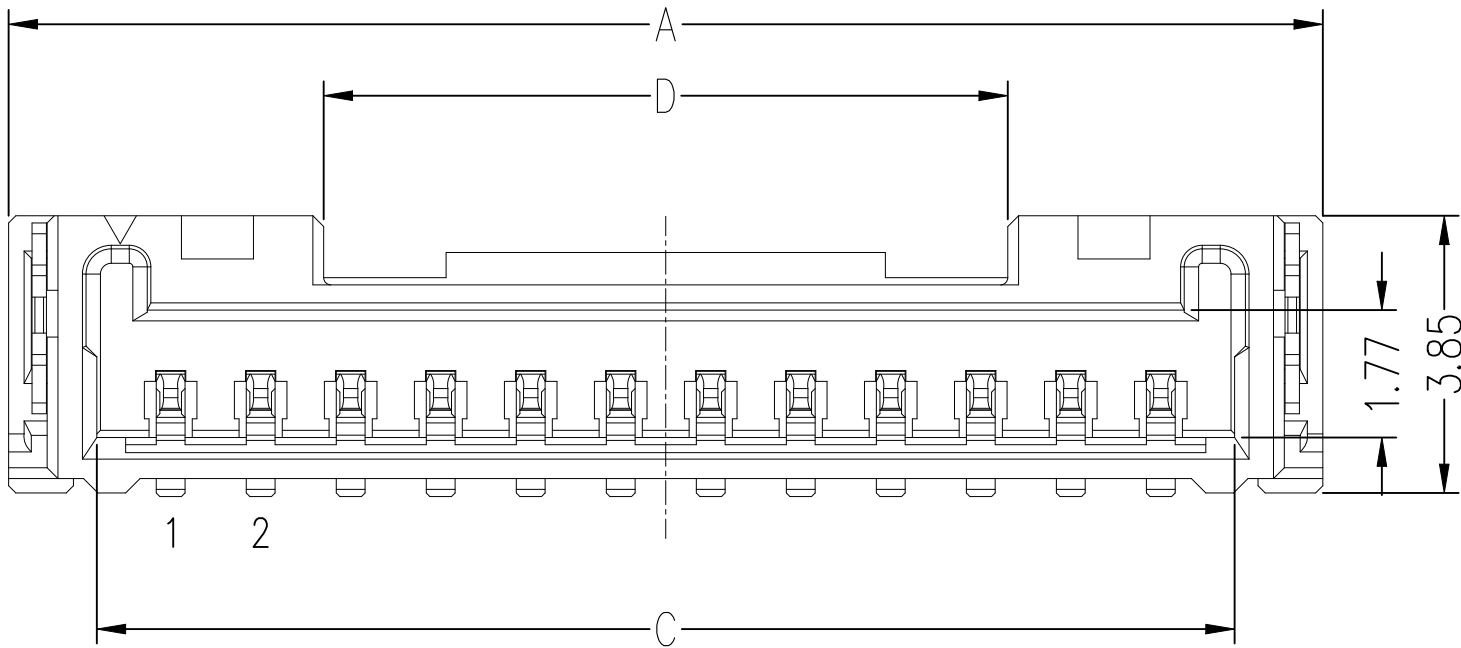


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	Initial Release	10MAR2025	MS	JM

Drawing for SMT Type



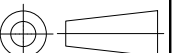
- NOTES:
- 1,Current Rating: See Table
 - 2,Contact Resistance: 20mΩ Max
 - 3,Withstand Voltage: 500V AC
 - 4,Insulation Resistance: 100MΩ Min
 - 5,Operation Temperature: -40°C to +125°C
 - 6,Housing:
High Temperature Plastics, UL94 V-0, Black
 - 7,Cap:
High Temperature Plastics, UL94 V-0, Black
 - 8>Contact: Copper Alloy
Matte Tin or 0.02μm[0.8u"] Gold over Nickel
 - 9,Nail: Copper Alloy
Matte Tin over Nickel
- Recommended Process:
IR Soldering,Peak Temperature: 260±5°C,5s

Rated Current at 23°C:

Size Wire \ Pins	2P	8P	16P
AWG#26	3.6A	2.4A	2.2A
AWG#28	3.1A	2.1A	1.8A
AWG#30	2.8A	1.8A	1.5A

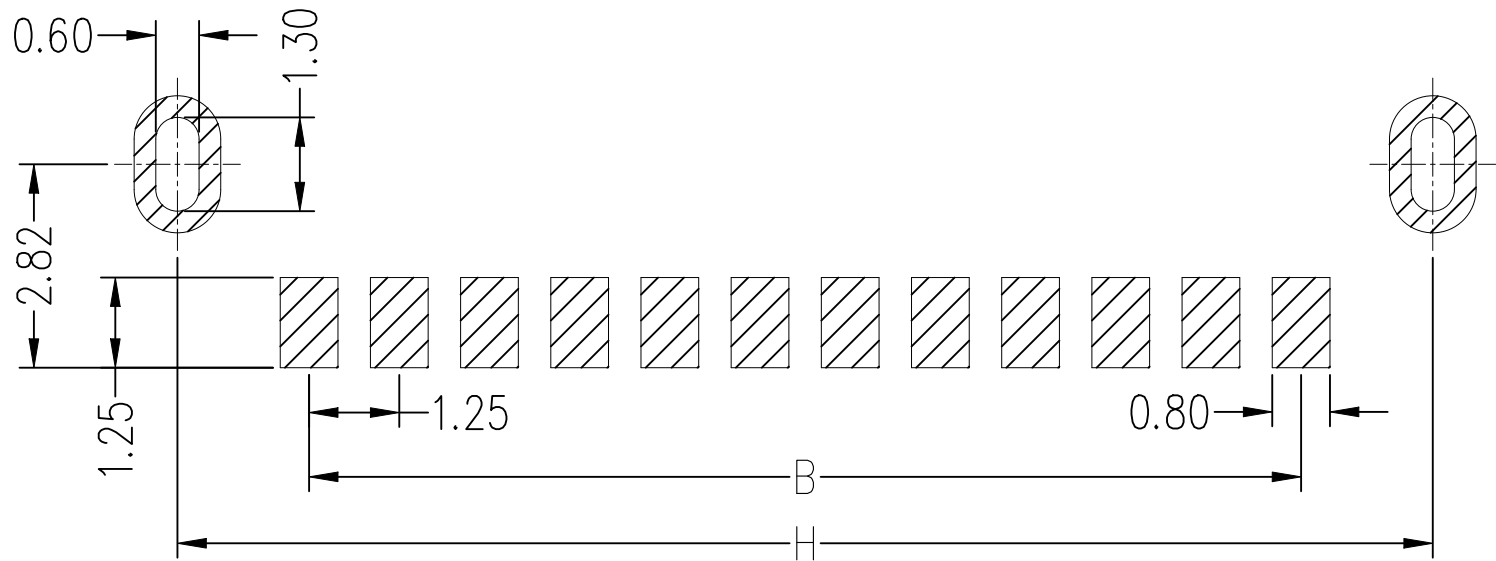
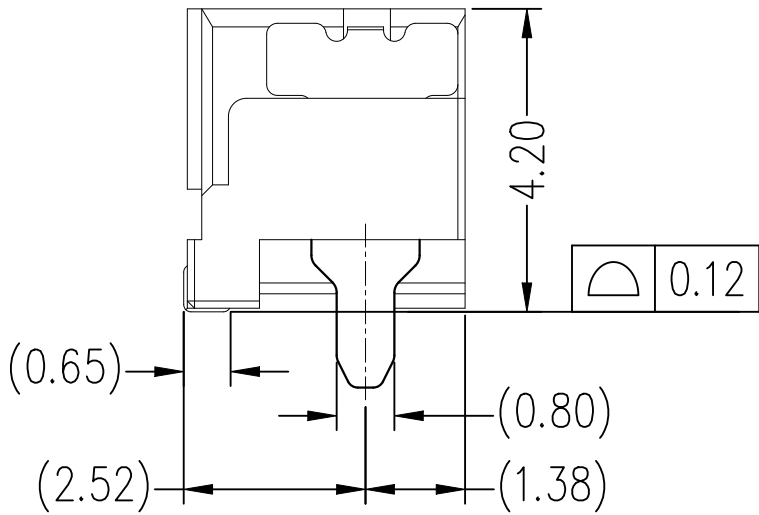
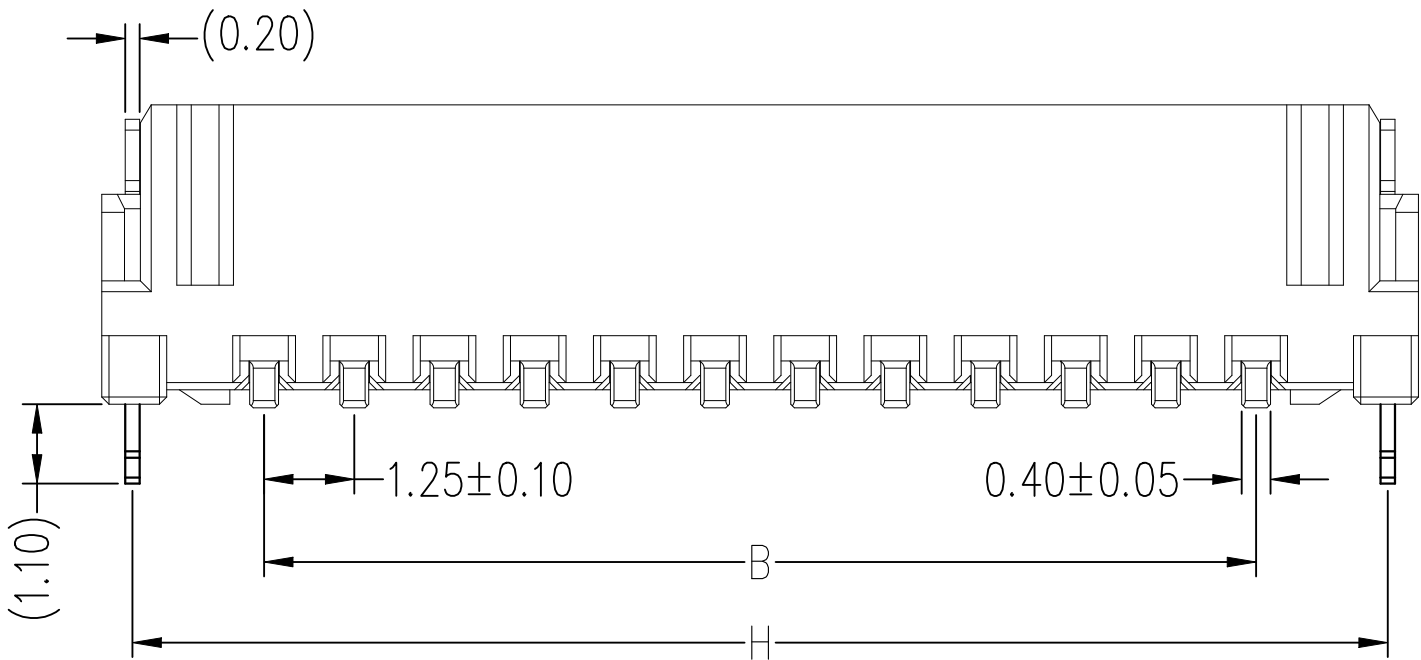
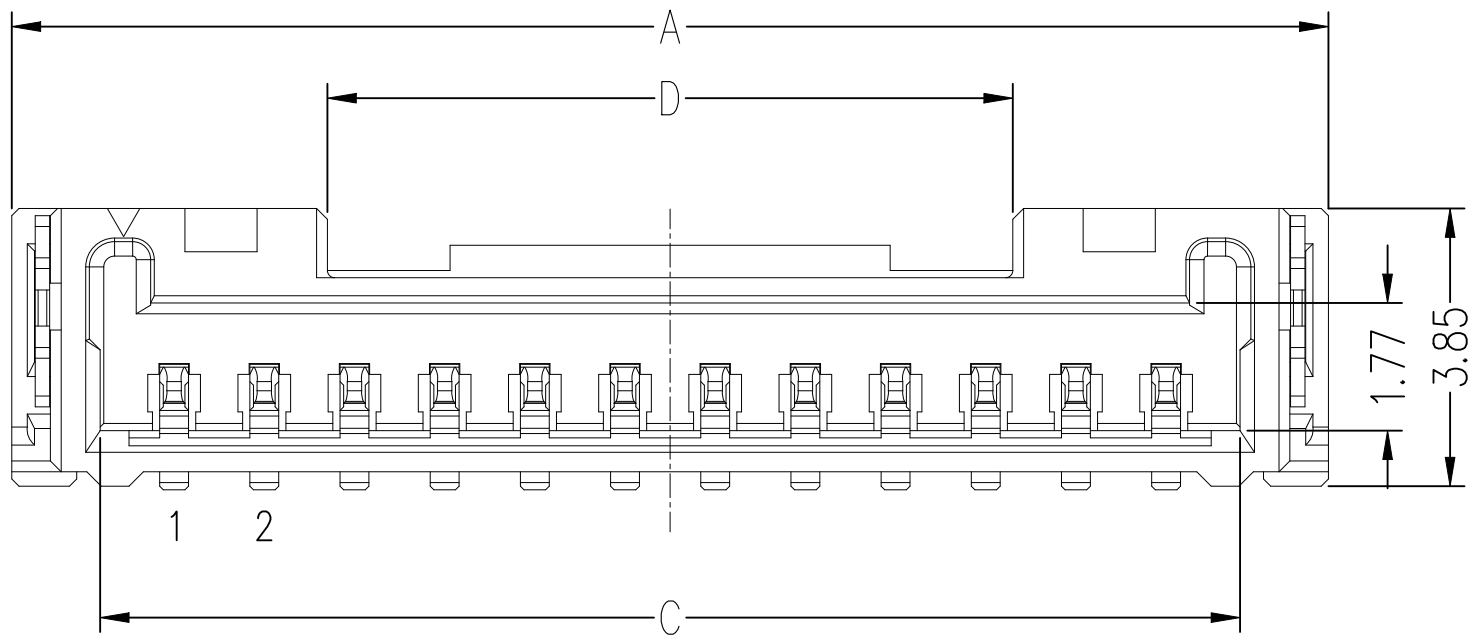
PRODUCT FAMILY TABLE – SURFACE MOUNT											
PINS	A	B	C	D	E	F	G	H	J	TCPN (TIN)	TCPN (GOLD)
1x2	5.75	1.25	3.50	2.20	0.85			4.90	0.55	2496750-2	4-2496750-2
1x3	7.00	2.50	4.75	3.15	1.15			6.15	0.60	2496750-3	4-2496750-3
1x4	8.25	3.75	6.00	4.40	1.40			7.40		2496750-4	4-2496750-4
1x5	9.50	5.00	7.25	5.65	2.65			8.65		2496750-5	4-2496750-5
1x6	10.75	6.25	8.50	6.90	3.90			9.90		2496750-6	4-2496750-6
1x7	12.00	7.50	9.55	7.00		11.15	2496750-7	4-2496750-7			
1x8	13.25	8.75	10.80			12.40	2496750-8	4-2496750-8			
1x9	14.50	10.00	12.05	9.50		6.10	13.65			2496750-9	4-2496750-9
1x10	15.75	11.25	13.30		14.90		1-2496750-0		5-2496750-0		
1x11	17.00	12.50	14.55		16.15		1-2496750-1		5-2496750-1		
1x12	18.25	13.75	15.80		17.40		1-2496750-2		5-2496750-2		
1x13	19.50	15.00	17.05	11.00	7.60	14.60	12.30	18.65	1-2496750-3	5-2496750-3	
1x14	20.75	16.25	18.30					19.90	1-2496750-4	5-2496750-4	
1x15	22.00	17.50	19.55					21.15	1-2496750-4	5-2496750-4	
1x16	23.25	18.75	20.80					22.40	1-2496750-6	5-2496750-6	

RECOMMENDED P.C.B LAYOUT
(COMPONENT SIDE)(TOLERANCE: ±0.05)

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN Madhan S 10JAN2025		 TE Connectivity		
			CHK JAGRUTI M 06FEB2025	APVD JAGRUTI M 06FEB2025			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.25 3 PLC ± - 4 PLC ± - ANGLES ± - MATERIAL - FINISH -			NAME - 1.25MM WTB HDR SMT & THBL -		
							
CUSTOMER DRAWING			SIZE A2	CAGE CODE 00779	DRAWING NO C=2496750	RESTRICTED TO -	
			SCALE 1:1		SHEET 1 of 6	REV A	

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

Drawing for THBL Type



RECOMMENDED P.C.B LAYOUT
(COMPONENT SIDE)(TOLERANCE: ±0.05)

- NOTES:
- 1,Current Rating: See Table
 - 2,Contact Resistance: 20mΩ Max
 - 3,Withstand Voltage: 500V AC
 - 4,Insulation Resistance: 100MΩ Min
 - 5,Operation Temperature: -40°C to +125°C
 - 6,Housing:
High Temperature Plastics, UL94 V-0, Black
 - 7,Cap:
High Temperature Plastics, UL94 V-0, Black
 - 8,Contact: Copper Alloy
Matte Tin or 0.02μm[0.8u"] Gold over Nickel
 - 9,Nail: Copper Alloy
Matte Tin over Nickel
- Recommended Process:
IR Soldering,Peak Temperature: 260±5°C,5s

Rated Current at 23°C:

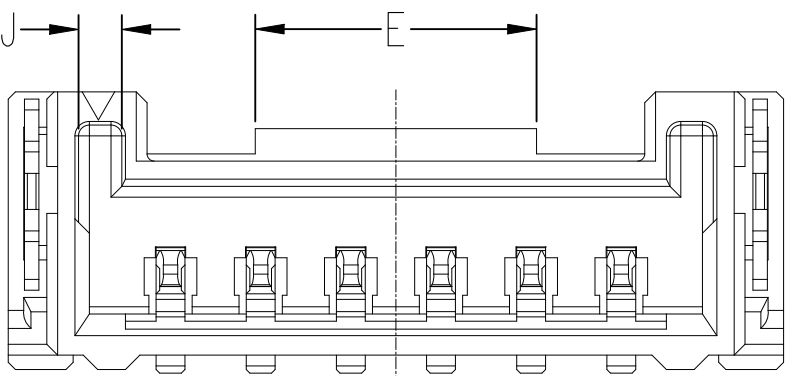
Pins Size Wire	2P	8P	16P
AWG#26	3.6A	2.4A	2.2A
AWG#28	3.1A	2.1A	1.8A
AWG#30	2.8A	1.8A	1.5A

PRODUCT FAMILY TABLE –THRU HOLE BOARD LOCK												
PINS	A	B	C	D	E	F	G	H	J	TCPN (TIN)	TCPN (GOLD)	
1x2	5.75	1.25	3.50	2.20	0.85	/	/	4.90	0.55	2-2496750-2	6-2496750-2	
1x3	7.00	2.50	4.75	3.15	1.15			6.15	0.60	2-2496750-3	6-2496750-3	
1x4	8.25	3.75	6.00	4.40	1.40			7.40		2-2496750-4	6-2496750-4	
1x5	9.50	5.00	7.25	5.65	2.65			8.65		2-2496750-5	6-2496750-5	
1x6	10.75	6.25	8.50	6.90	9.90			2-2496750-6		6-2496750-6		
1x7	12.00	7.50	9.55	7.00	3.90			11.15	0.85	2-2496750-7	6-2496750-7	
1x8	13.25	8.75	10.80					12.40		2-2496750-8	6-2496750-8	
1x9	14.50	10.00	12.05					13.65		2-2496750-9	6-2496750-9	
1x10	15.75	11.25	13.30	9.50	6.10			14.90		3-2496750-0	7-2496750-0	
1x11	17.00	12.50	14.55					16.15	3-2496750-1	7-2496750-1		
1x12	18.25	13.75	15.80					17.40	3-2496750-2	7-2496750-2		
1x13	19.50	15.00	17.05					18.65	3-2496750-3	7-2496750-3		
1x14	20.75	16.25	18.30	11.00	7.60			14.60	12.30	19.90	3-2496750-4	7-2496750-4
1x15	22.00	17.50	19.55							21.15	3-2496750-5	7-2496750-5
1x16	23.25	18.75	20.80							22.40	3-2496750-6	7-2496750-6

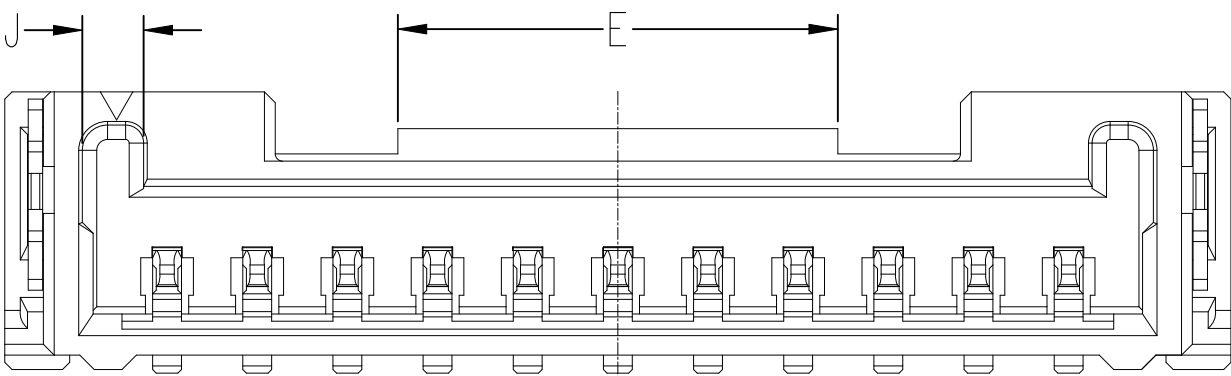
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN Madhan S 10JAN2024		 TE Connectivity					
			CHK JAGRUTI M 10JAN2024							
DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD JAGRUTI M 06FEB2025		NAME				
		0 PLC ± -		PRODUCT SPEC		1.25MM WTB HDR SMT & THBL				
		1 PLC ± -		108-161761						
		2 PLC ± 0.25		APPLICATION SPEC						
		3 PLC ± 0.15		—						
		4 PLC ± -		—						
ANGLES ± ±		FINISH		WEIGHT 0		SIZE A2		CAGE CODE 00779	DRAWING NO C-2496750	RESTRICTED TO —
MATERIAL —		—		CUSTOMER DRAWING		SCALE 1:1		SHEET 2 of 6	REV A	

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

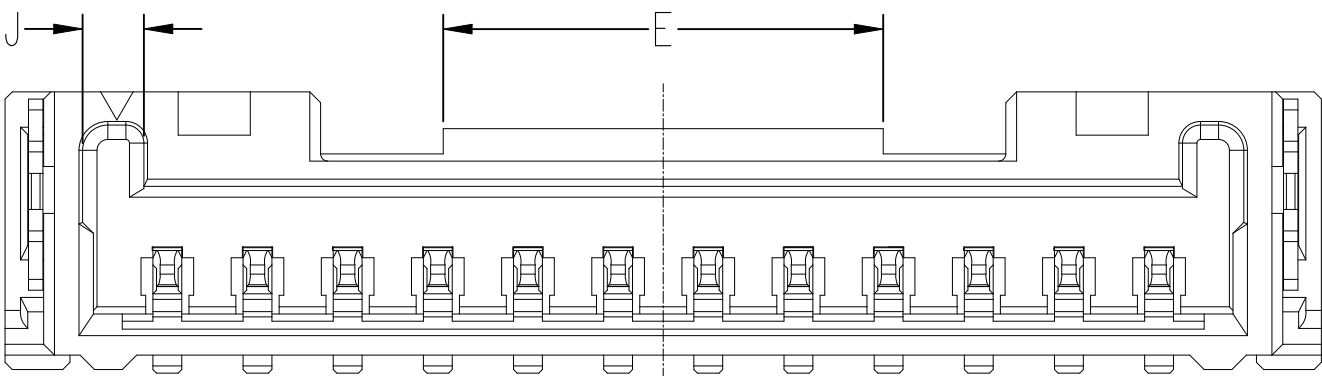
Drawing for SMT Type



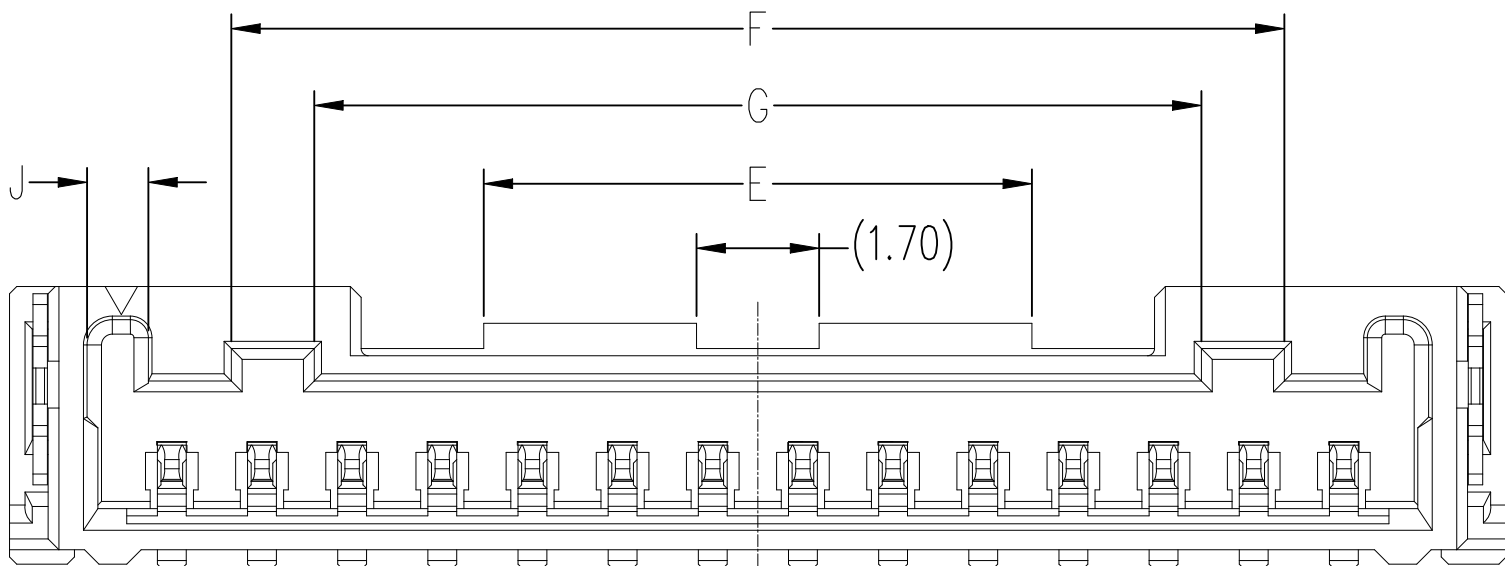
1x(2-6) PIN



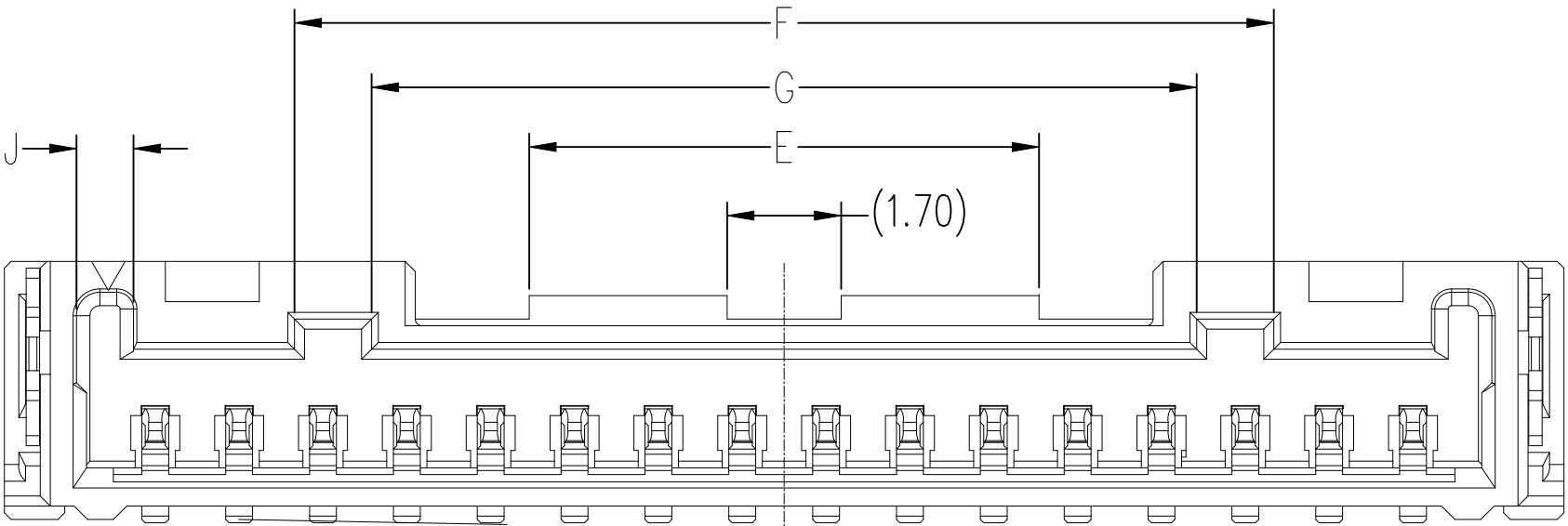
1x(7-11) PIN



1x(12-13) PIN

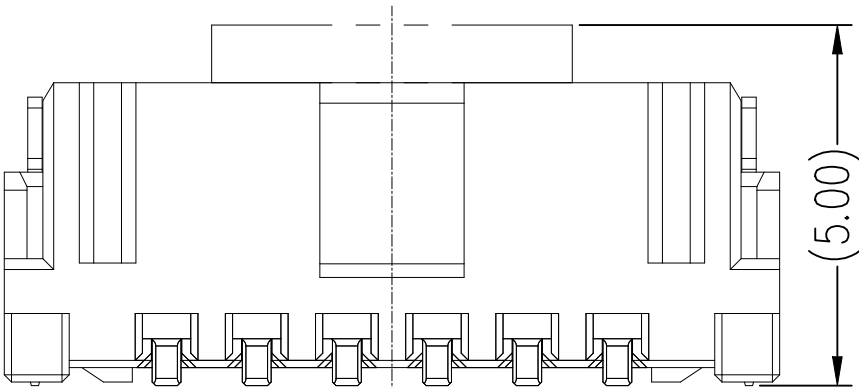
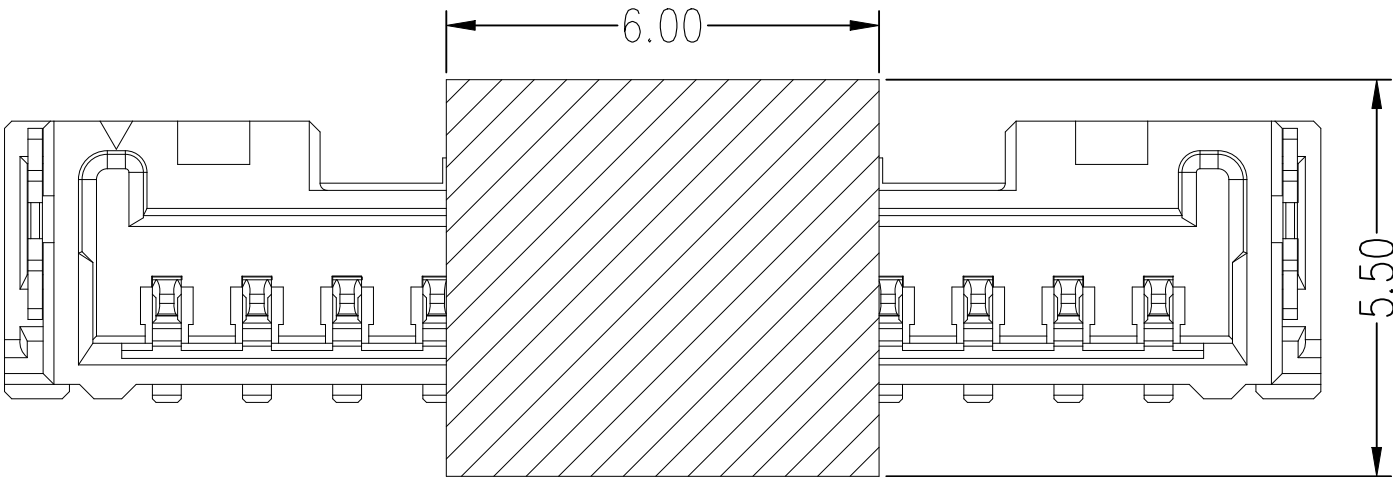
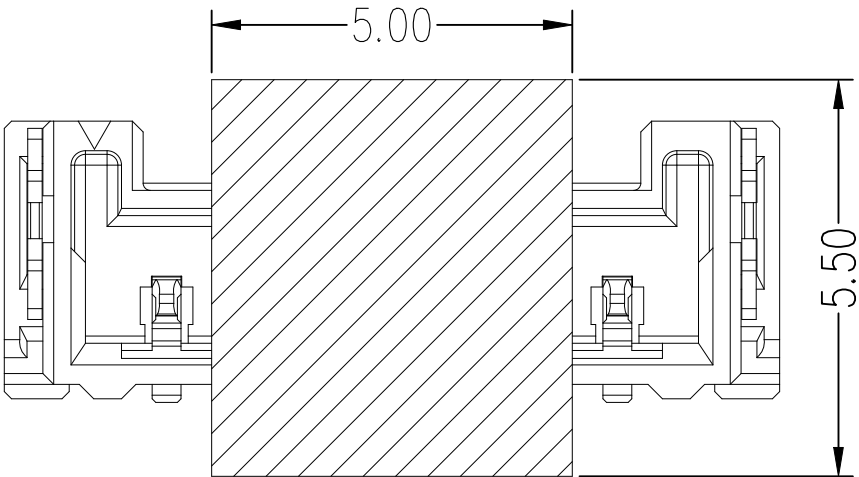


1x14 PIN

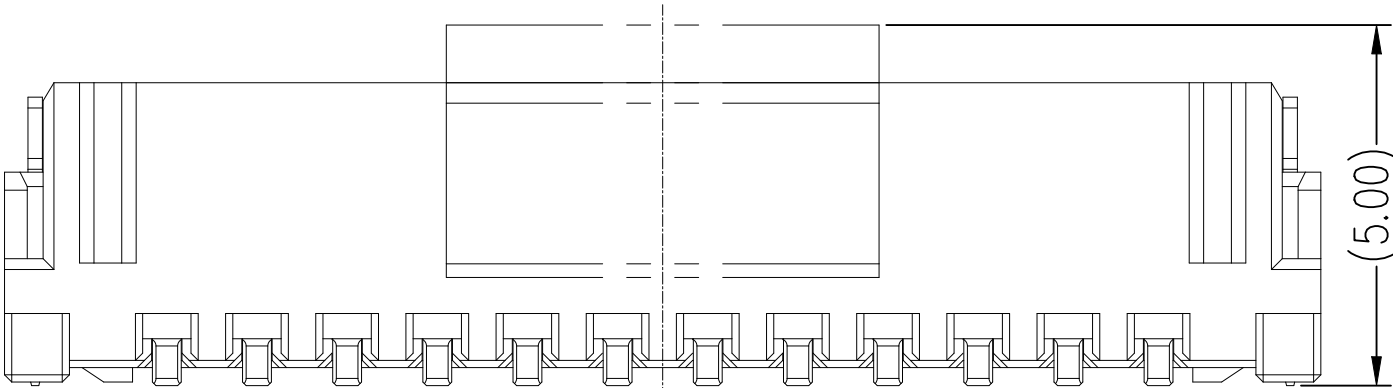


1x(15-16) PIN

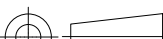
CAP DETAILS



1x(2-6) PIN

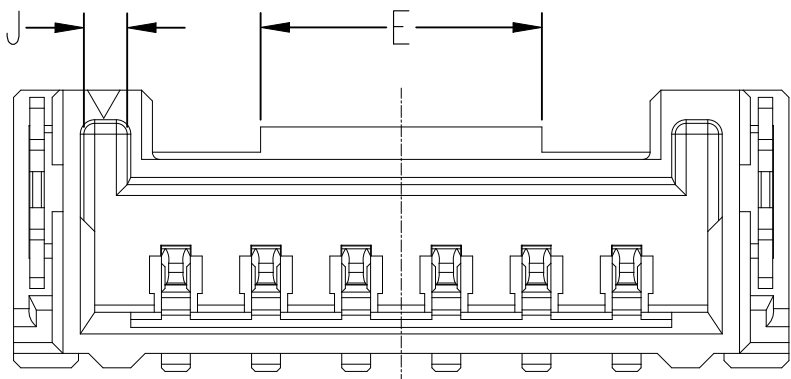


1x(7-16) PIN

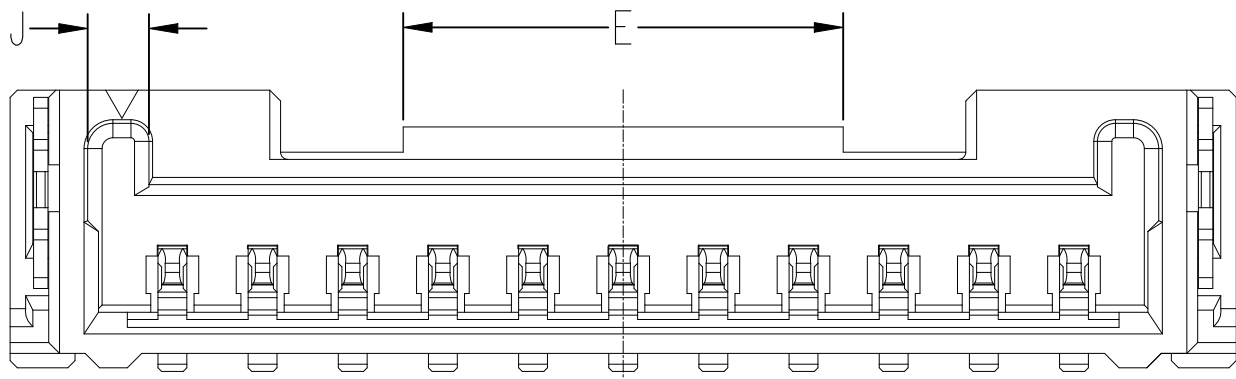
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Madhan S 10JAN2024		 TE Connectivity							
		CHK JAGRUTI M 10JAN2024									
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME							
		APVD JAGRUTI M 06FEB2025		1.25MM WTB HDR SMT & THBL							
		PRODUCT SPEC 108-161761									
		APPLICATION SPEC									
		—									
		WEIGHT 0									
MATERIAL —		FINISH —		SIZE A2		CAGE CODE 00779		DRAWING NO C=2496750		RESTRICTED TO —	
CUSTOMER DRAWING				SCALE 1:1		SHEET 3 of 6		REV A			

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

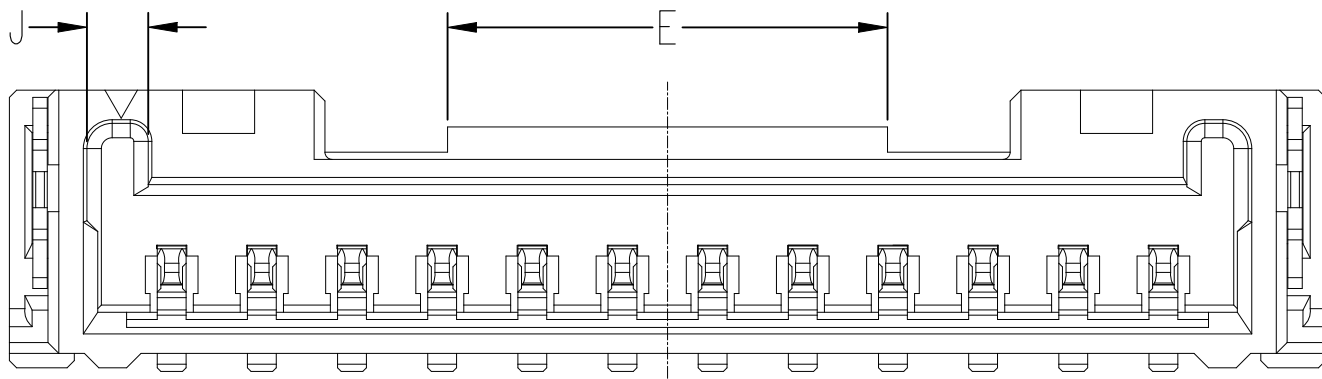
Drawing for THBL Type



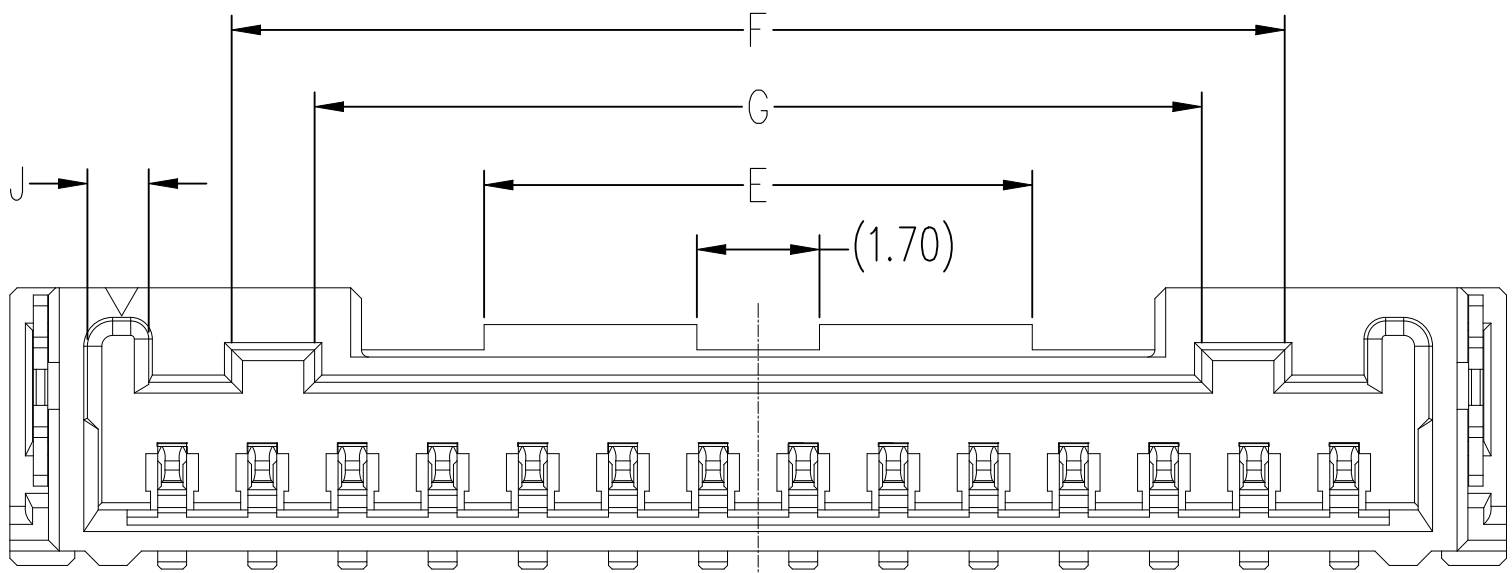
1x(2-6) PIN



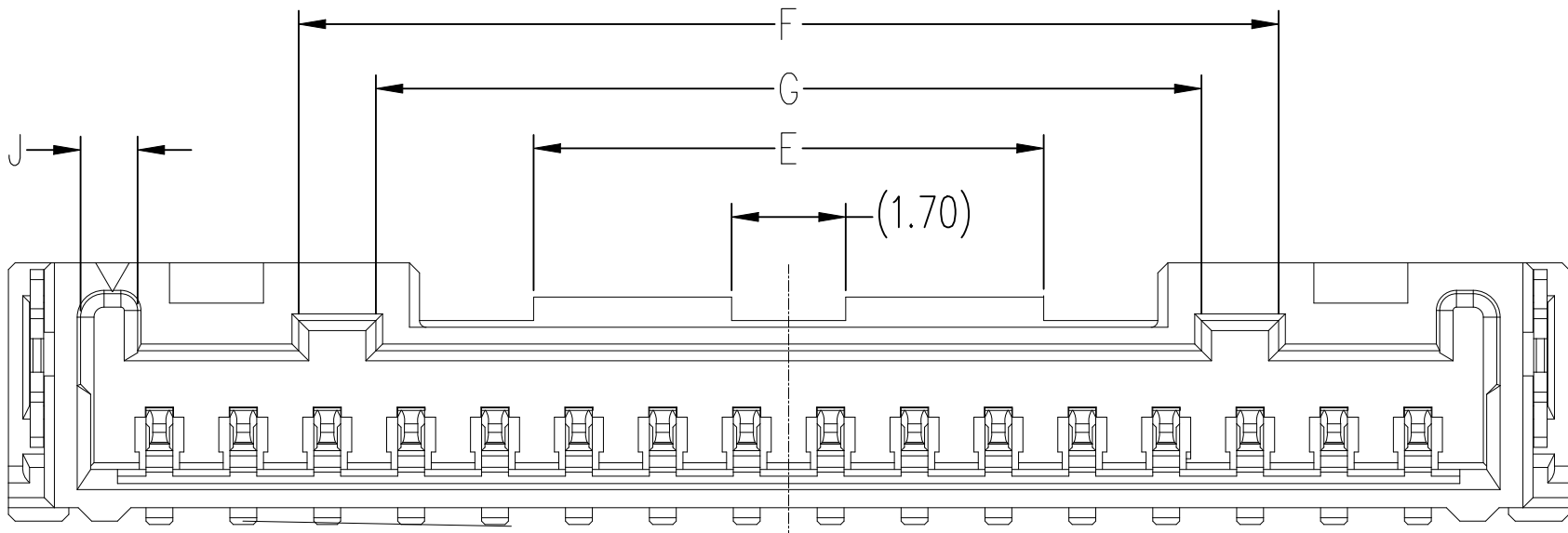
1x(7-11) PIN



1x(12-13) PIN

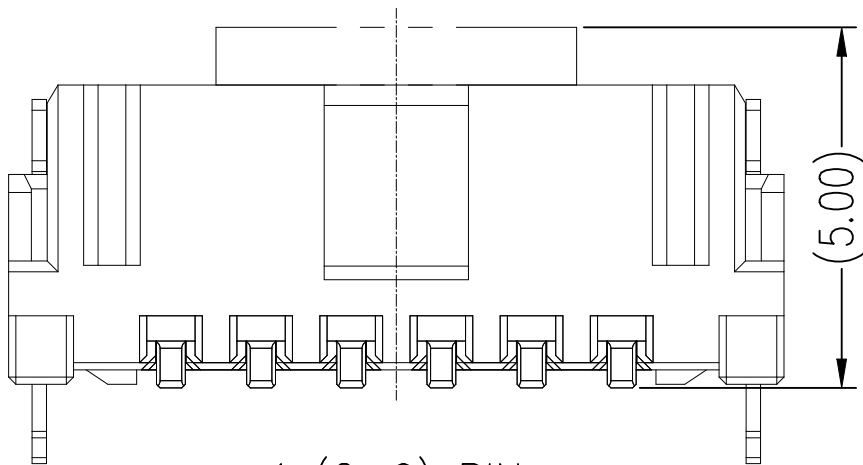
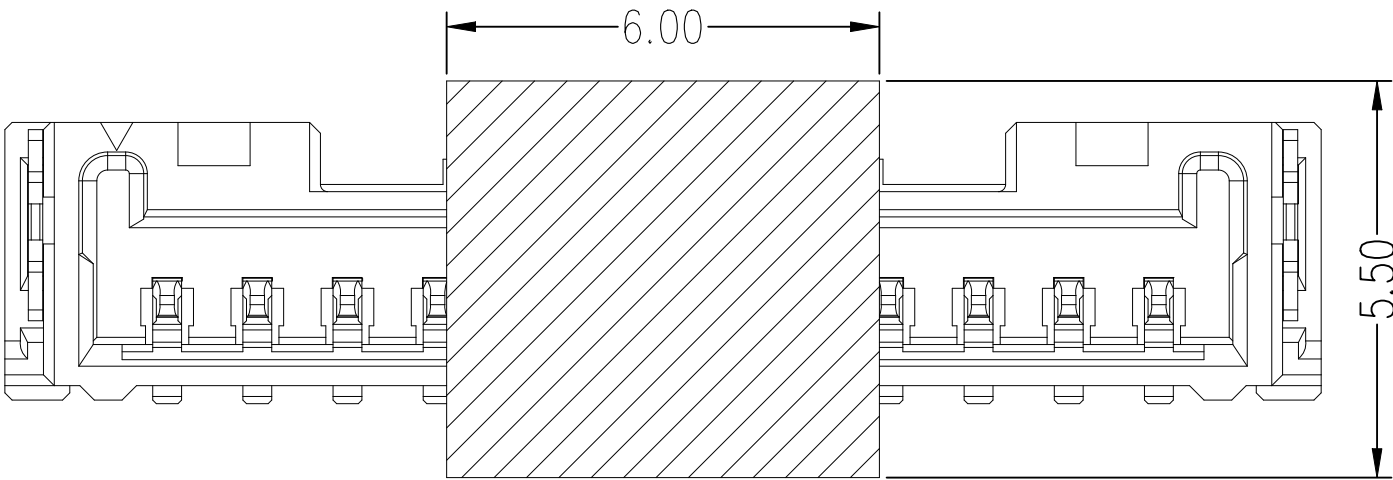
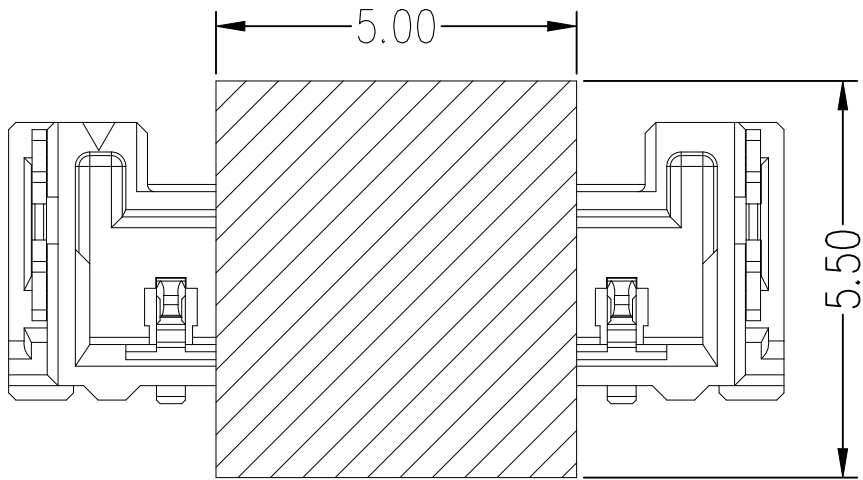


1x14 PIN

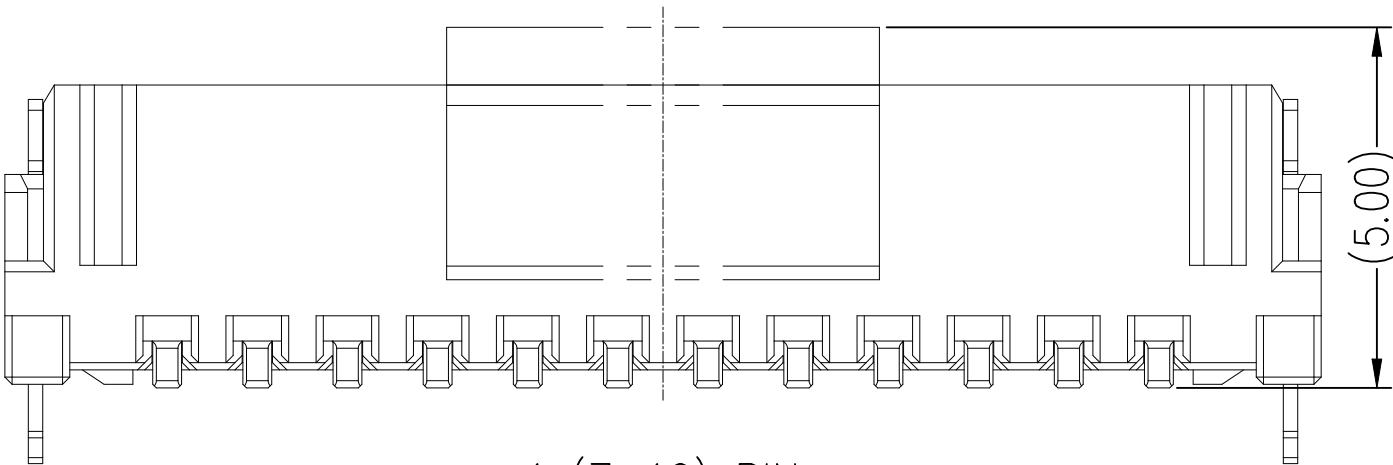


1x(15-16) PIN

CAP DETAILS



1x(2-6) PIN

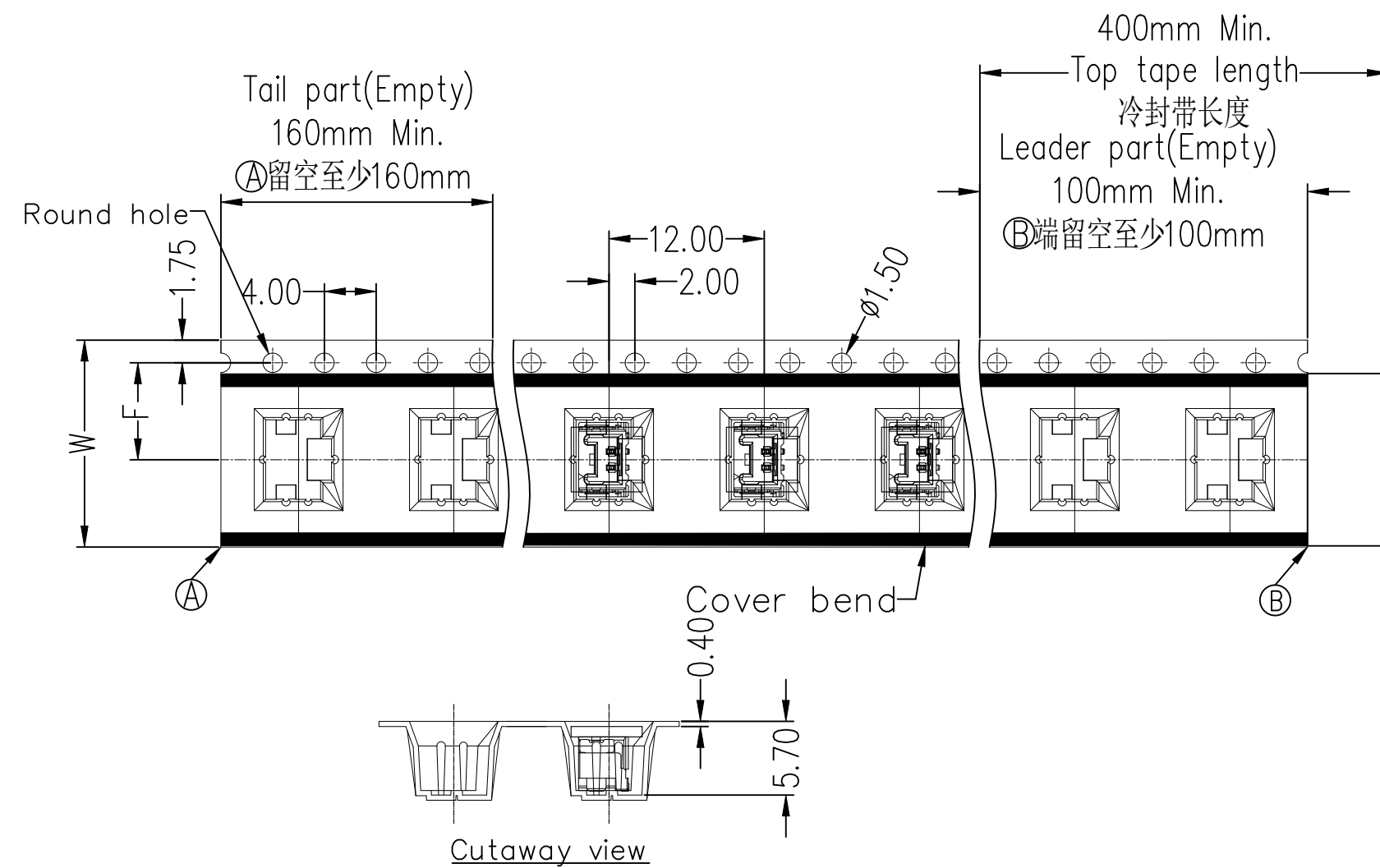


1x(7-16) PIN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Madhan S 10JAN2024	TE Connectivity			
		CHK JAGRUTI M 10JAN2024				
		APVD JAGRUTI M 06FEB2025	NAME			
		PRODUCT SPEC 108-161761	1.25MM WTB HDR SMT & THBL			
		APPLICATION SPEC				
		WEIGHT 0	SIZE A2	CAGE CODE 00779	DRAWING NO C-2496750	RESTRICTED TO
		CUSTOMER DRAWING	SCALE 1:1	SHEET 4 of 6	REV A	

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

Packaging Drawing for SMT Type



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

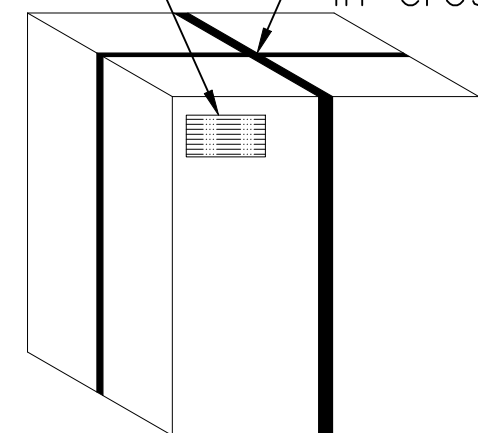
客户安装时拉出方向
Customer pull out direction

White label

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 (1000PCS/Reel)

Environmental label
Yellow packing bend
in cross



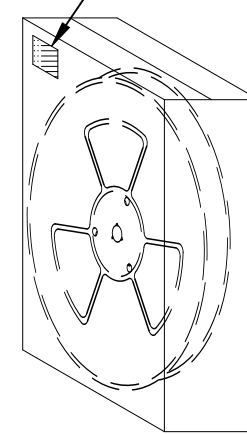
Outer box: CTN-18K

No.4:
Seal, pack, label.

No.3:

Put inner box into outer box, (3pcs inner box/outer box, 12000PCS/outer box) pay attention to the unified label direction.

White label



inner box: CTN-18E

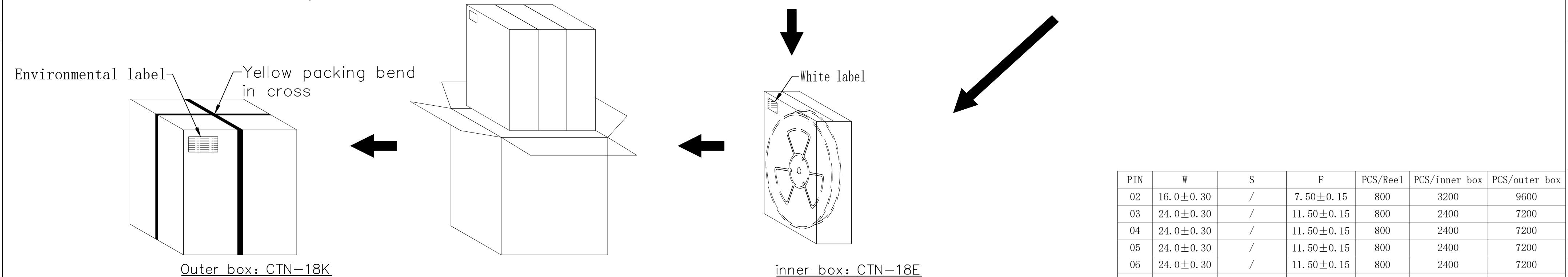
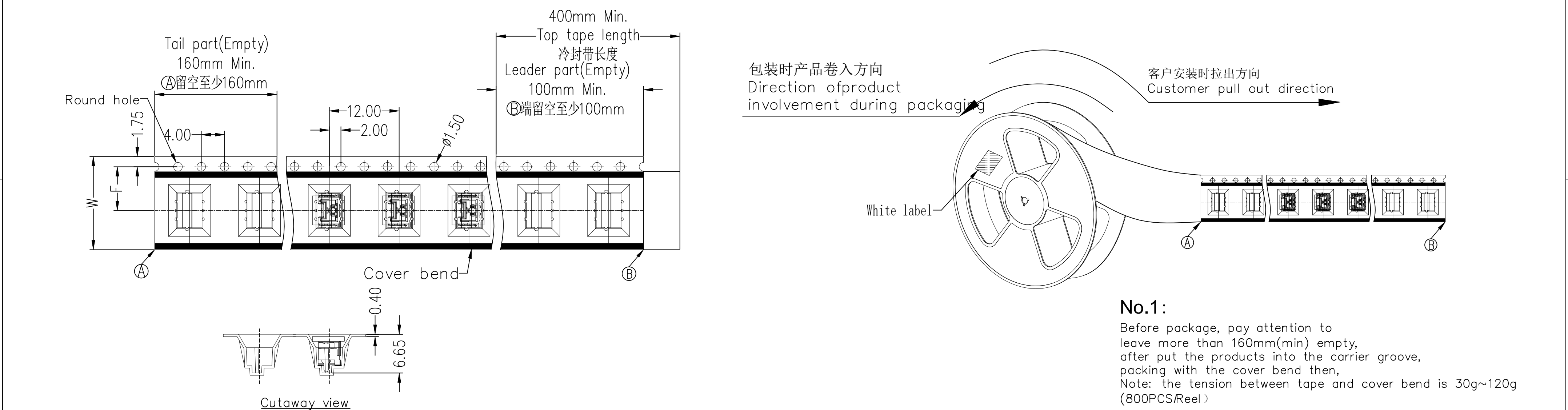
No.2:

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. (4Reel/inner box, 4000PCS/inner box)

Pin	W	S	F	PCS/Reel	PCS/inner box	PCS/outer box
2	16.0±0.30	\	7.50±0.15	1000	4000	12000
3	16.0±0.30	\	7.50±0.15	1000	4000	12000
4	24.0±0.30	\	11.50±0.15	1000	3000	9000
5	24.0±0.30	\	11.50±0.15	1000	3000	9000
6	24.0±0.30	\	11.50±0.15	1000	3000	9000
7	24.0±0.30	\	11.50±0.15	1000	3000	9000
8	24.0±0.30	\	11.50±0.15	1000	3000	9000
9	24.0±0.30	\	11.50±0.15	1000	3000	9000
10	32.0±0.30	28.40±0.15	14.20±0.15	1000	2000	6000
11	32.0±0.30	28.40±0.15	14.20±0.15	1000	2000	6000
12	32.0±0.30	28.40±0.15	14.20±0.15	1000	2000	6000
13	32.0±0.30	28.40±0.15	14.20±0.15	1000	2000	6000
14	44.0±0.30	40.40±0.15	20.20±0.15	1000	2000	6000
15	44.0±0.30	40.40±0.15	20.20±0.15	1000	2000	6000
16	44.0±0.30	40.40±0.15	20.20±0.15	1000	2000	6000

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN Madhan S 10JAN2024				TE Connectivity			
DIMENSIONS: mm				CHK JAGRUTI M 10JAN2024				NAME			
TOLERANCES, UNLESS OTHERWISE SPECIFIED:				APVD JAGRUTI M 06FEB2025				PRODUCT SPEC			
MATERIAL				FINISH				108-161761			
								APPLICATION SPEC			
								1.25MM WTB HDR SMT & THBL			
								SIZE CAGE CODE DRAWING NO RESTRICTED TO			
								A2 00779 C=2496750			
								SCALE 1:1 SHEET 5 of 6 REV A			
								CUSTOMER DRAWING			

Packaging Drawing for THBL Type



No.4:
Seal,pack,label.

No.3:
Put inner box into outer box,
(3pcs inner box/outer box, 9600PCS/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.
(4Reel/inner box, 3200pcs/inner box)

PIN	W	S	F	PCS/Reel	PCS/inner box	PCS/outer box
02	16.0±0.30	/	7.50±0.15	800	3200	9600
03	24.0±0.30	/	11.50±0.15	800	2400	7200
04	24.0±0.30	/	11.50±0.15	800	2400	7200
05	24.0±0.30	/	11.50±0.15	800	2400	7200
06	24.0±0.30	/	11.50±0.15	800	2400	7200
07	24.0±0.30	/	11.50±0.15	800	2400	7200
08	24.0±0.30	/	11.50±0.15	800	2400	7200
09	24.0±0.30	/	11.50±0.15	800	2400	7200
10	32.0±0.30	28.40±0.15	14.20±0.15	800	1600	4800
11	32.0±0.30	28.40±0.15	14.20±0.15	800	1600	4800
12	32.0±0.30	28.40±0.15	14.20±0.15	800	1600	4800
13	44.0±0.30	40.40±0.15	20.20±0.15	800	1600	4800
14	44.0±0.30	40.40±0.15	20.20±0.15	800	1600	4800
15	44.0±0.30	40.40±0.15	20.20±0.15	800	1600	4800
16	44.0±0.30	40.40±0.15	20.20±0.15	800	1600	4800

DWN Madhan S 10JAN2024

CHK JAGRUTI M 10JAN2024

APVD JAGRUTI M 06FEB2025

PRODUCT SPEC 108-161761

APPLICATION SPEC -

WEIGHT 0

CUSTOMER DRAWING

TE Connectivity

NAME -

1.25MM WTB HDR SMT & THBL

SIZE A2

CAGE CODE 00779

DRAWING NO C=2496750

RESTRICTED TO -

SCALE 1:1

SHEET 6 of 6

REV A

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