Part II

Carrier Tape Outline Drawing

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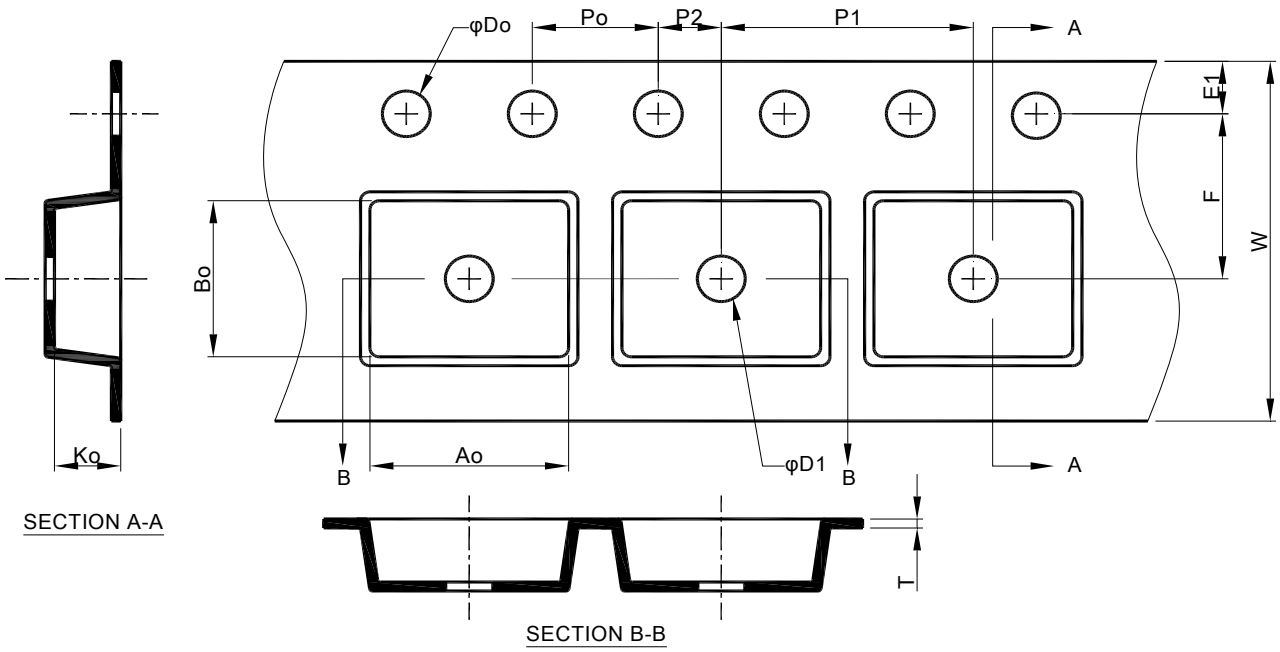
Part I Carrier Tape Outline Drawing

(unit: mm)

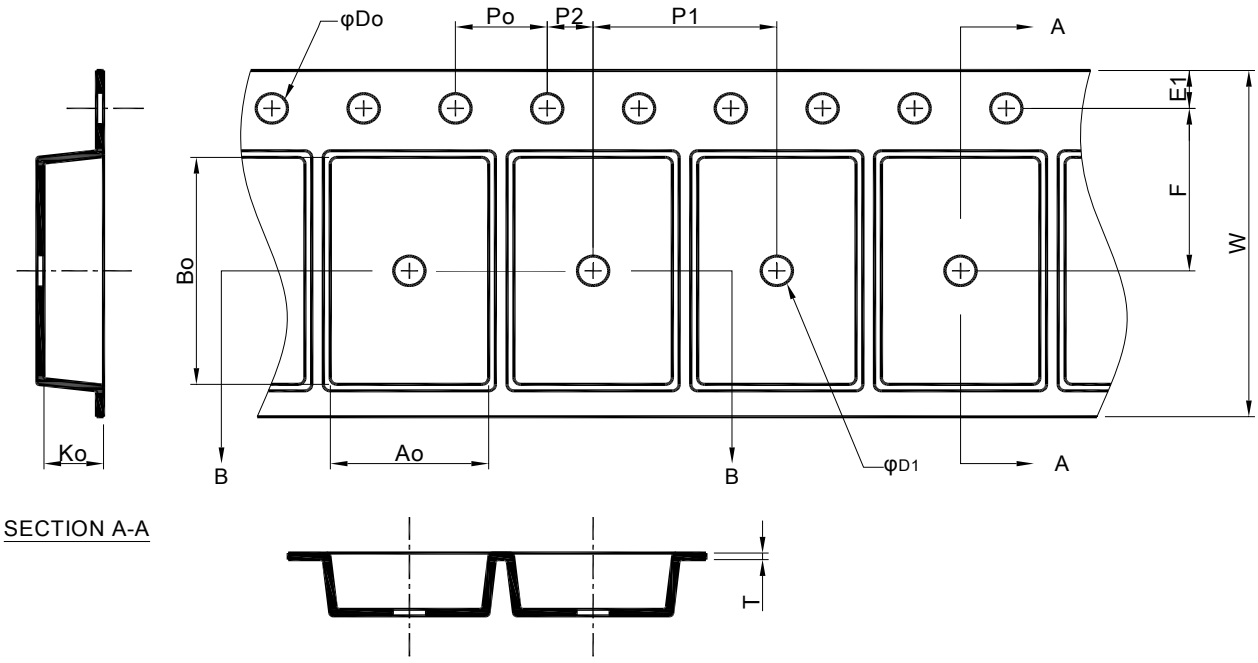
- SOP-8 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	6.30±0.20	5.20±0.20	2.10±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

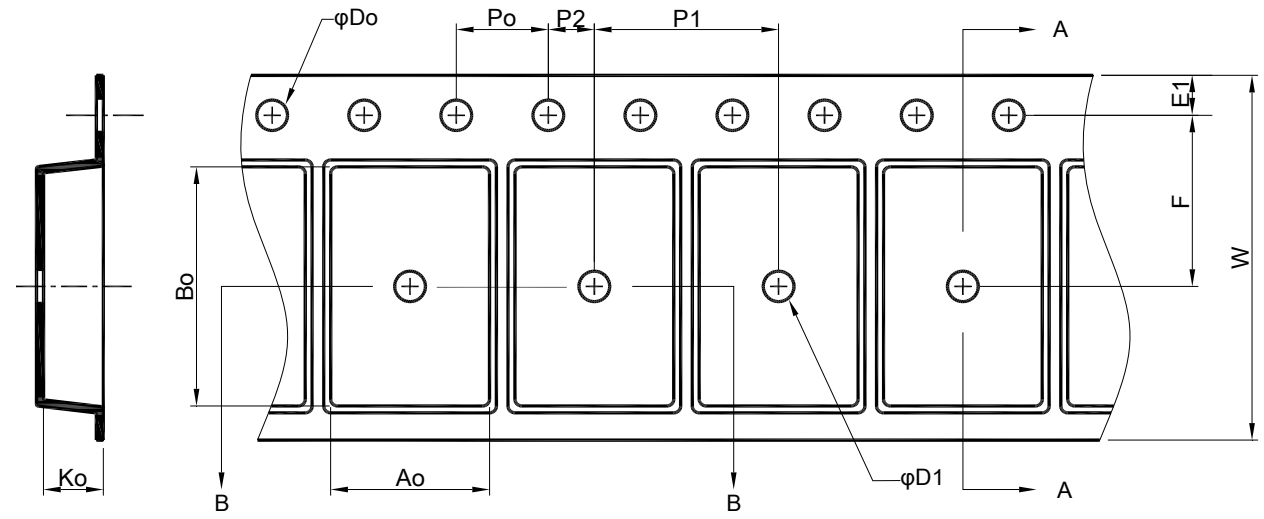
● SOP-14 CARRIER TAPE OUTLINE DRAWING



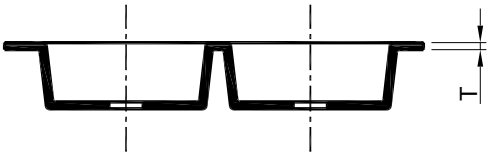
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	6.5 ±0.2	9.2 ±0.35	2.1 ±0.2	0.30 ±0.05	1.5 $^{+0.1}_{-0.0}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.0 ±0.1	8.0 ±0.1	2.0 ±0.1	1.75 ±0.1	7.5 ±0.1	16.0 ±0.3

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

- SOP-16 CARRIER TAPE OUTLINE DRAWING



SECTION A-A

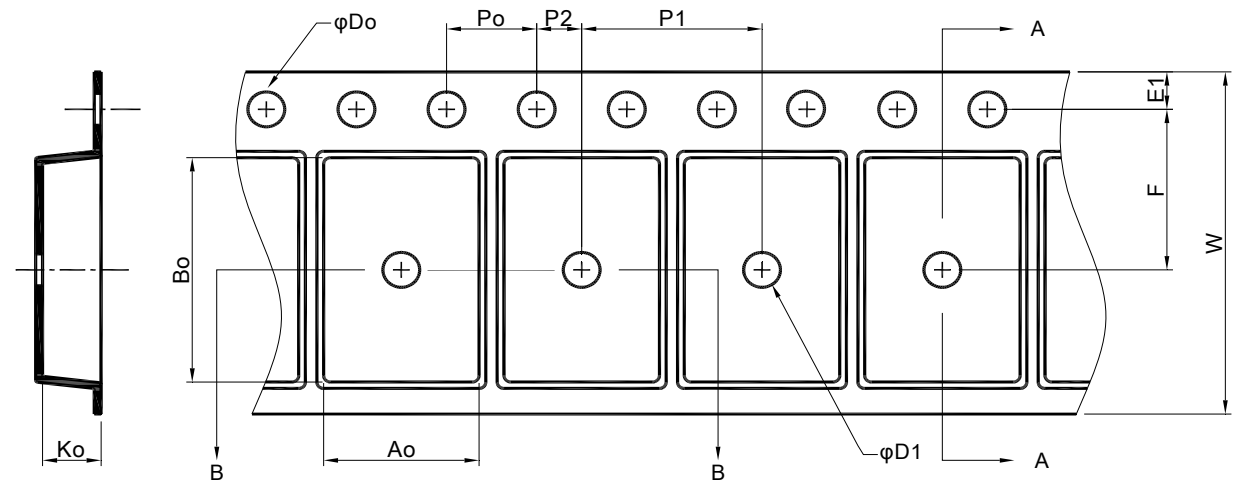


SECTION B-B

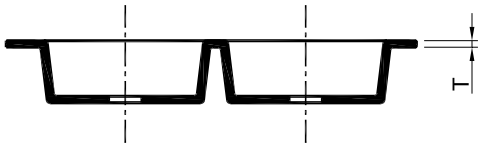
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	6.5 ±0.2	10.3 ±0.2	2.1 ±0.2	0.30 ±0.05	1.5 $^{+0.1}_{-0.0}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.0 ±0.1	8.0 ±0.1	2.0 ±0.1	1.75 ±0.1	7.5 ±0.1	16.0 ±0.3

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

- SOP-16W CARRIER TAPE OUTLINE DRAWING



SECTION A-A

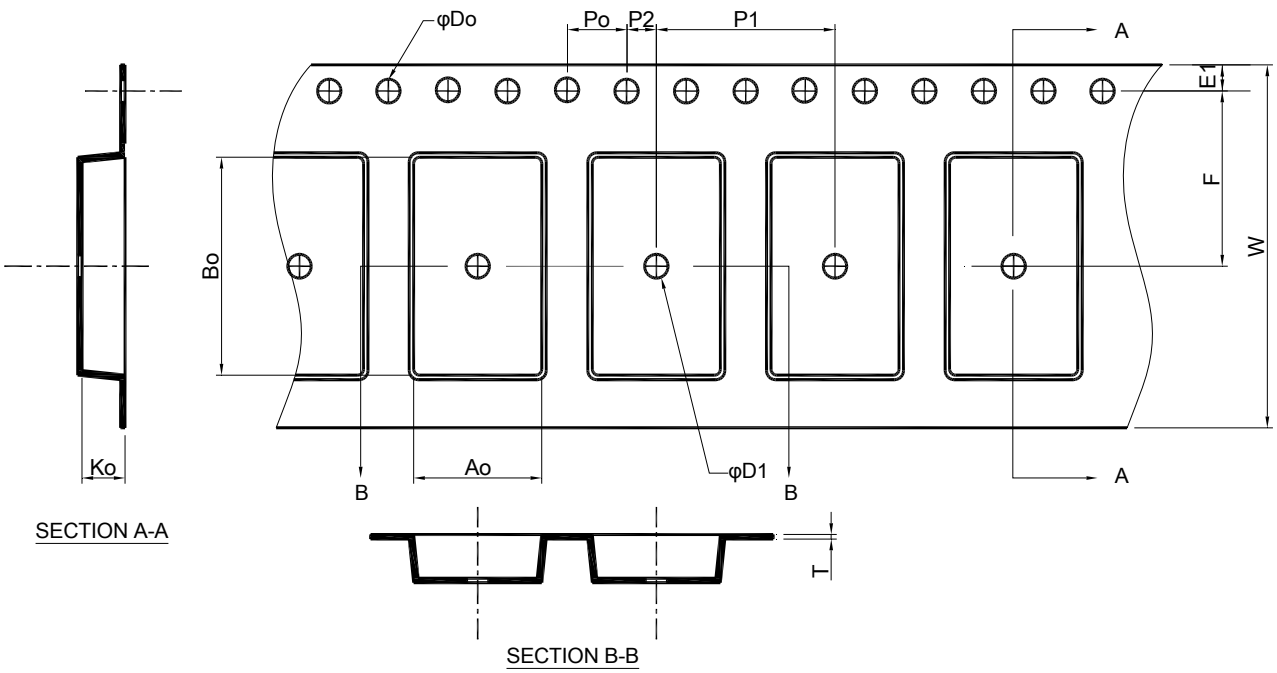


SECTION B-B

SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	10.9 ±0.2	10.7 ±0.2	3.2 ±0.2	0.30 ±0.05	1.5 $^{+0.1}_{-0.0}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.0 ±0.1	12.0 ±0.1	2.0 ±0.1	1.75 ±0.1	7.5 ±0.1	16.0 ±0.3

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

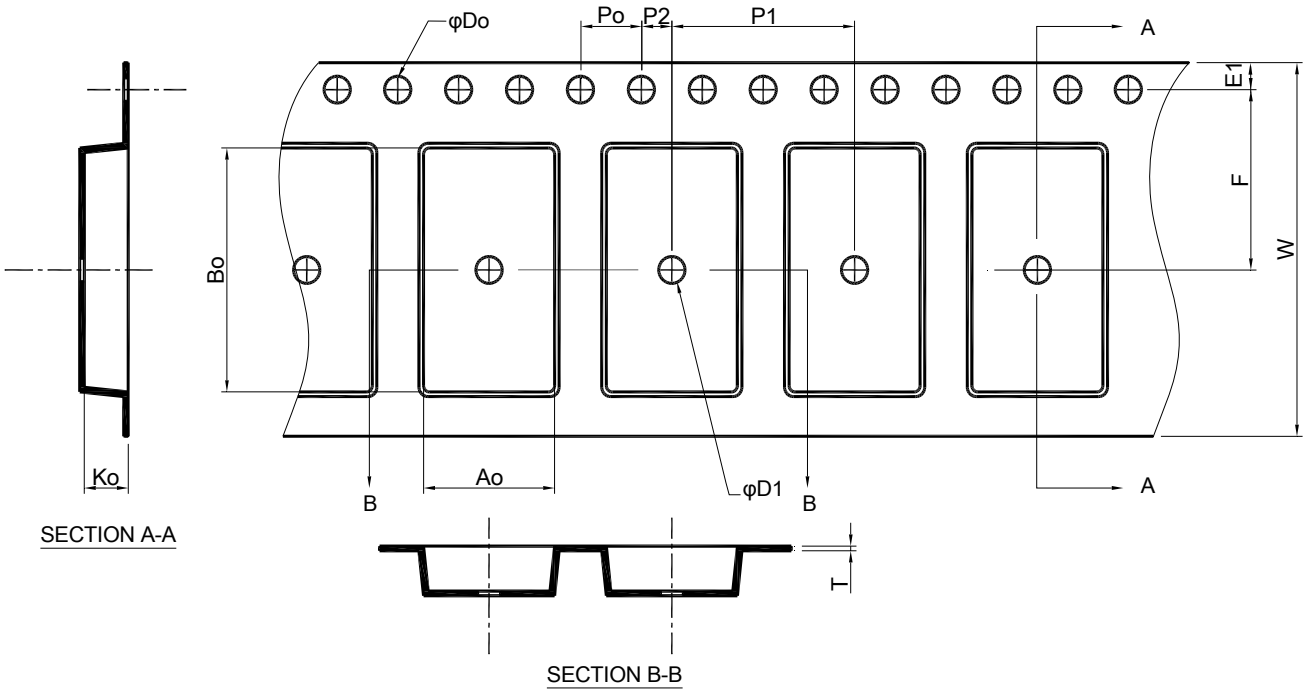
- SOP-20 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	10.90±0.20	13.30±0.20	3.10±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	12.00±0.10	2.00±0.10	1.75±0.10	11.50±0.10	24.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

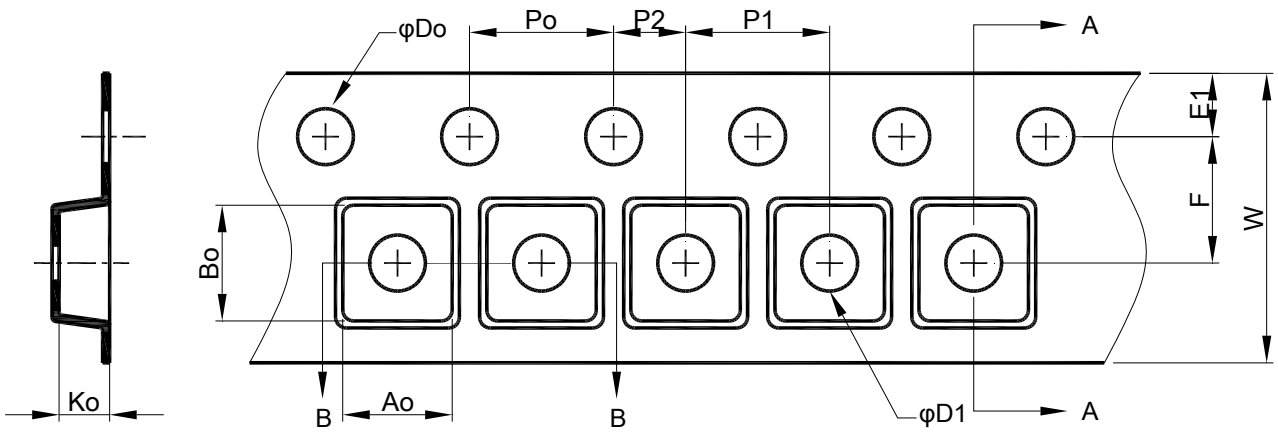
- SOP-24 CARRIER TAPE OUTLINE DRAWIN



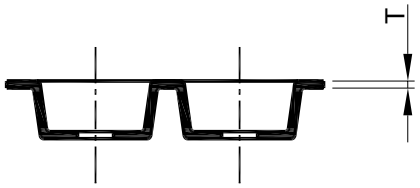
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	10.90±0.20	15.90±0.20	3.10±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	12.00±0.10	2.00±0.10	1.75±0.10	11.50±0.10	24.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

- SOT-23/SOT-23-5/SOT-23-6 CARRIER TAPE OUTLINE DRAWING



SECTION A-A

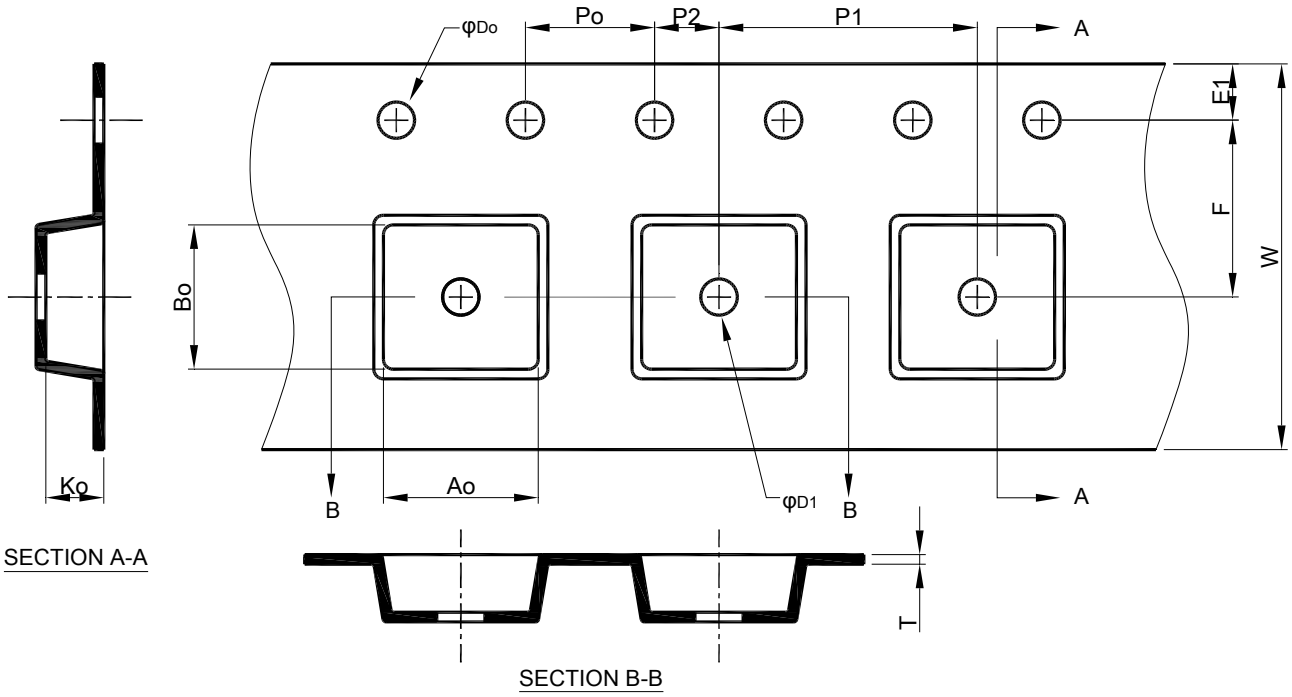


SECTION B-B

SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	3.15±0.20	3.20±0.20	1.40±0.20	0.20±0.03	1.50 $^{+0.10}_{-0.00}$	1.00 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	4.00±0.10	2.00±0.05	1.75±0.10	3.50±0.05	8.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

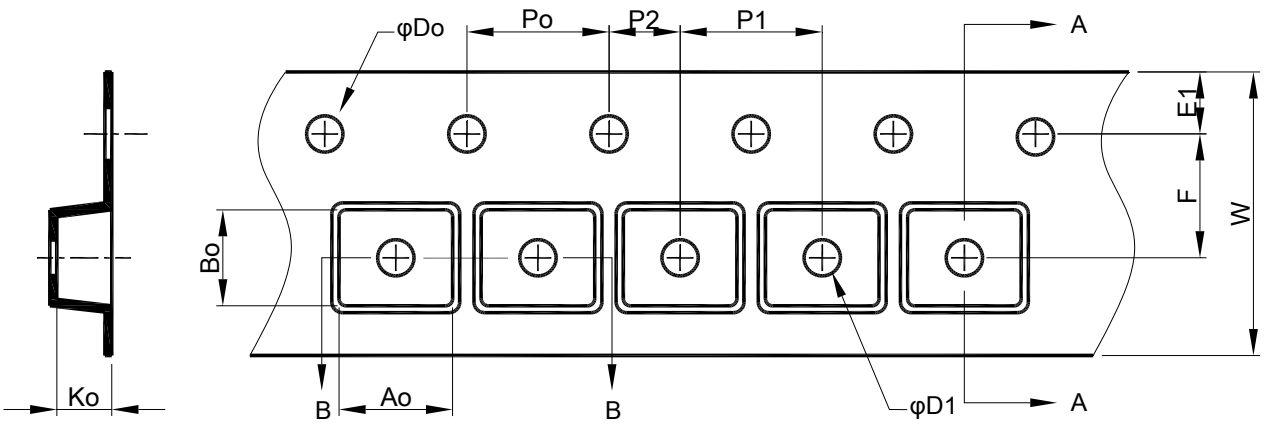
● SOT-89 CARRIER TAPE OUTLINE DRAWING



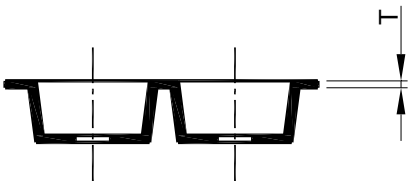
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	4.80±0.20	4.50±0.20	1.80±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

● SOT-143 CARRIER TAPE OUTLINE DRAWING



SECTION A-A

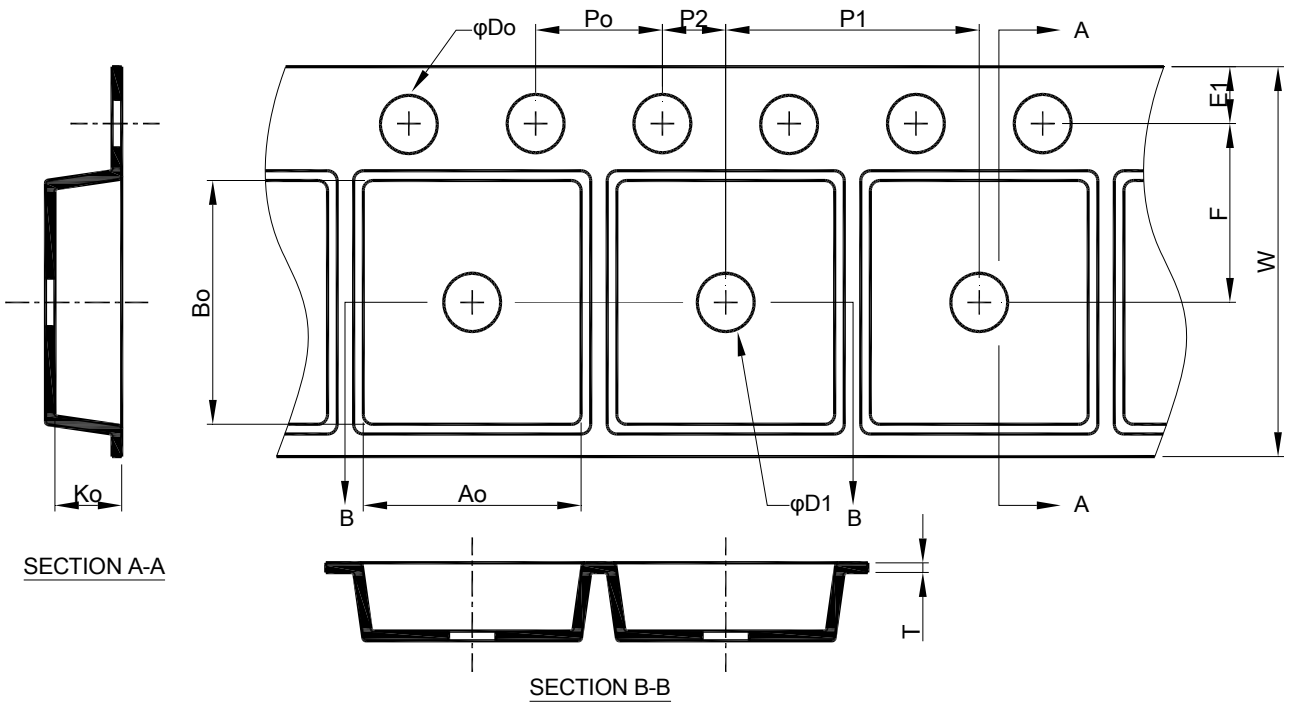


SECTION B-B

SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	3.20±0.20	2.70±0.20	1.35±0.20	0.20±0.03	1.50 $^{+0.10}_{-0.00}$	1.00 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	4.00±0.10	2.00±0.05	1.75±0.10	3.50±0.05	8.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

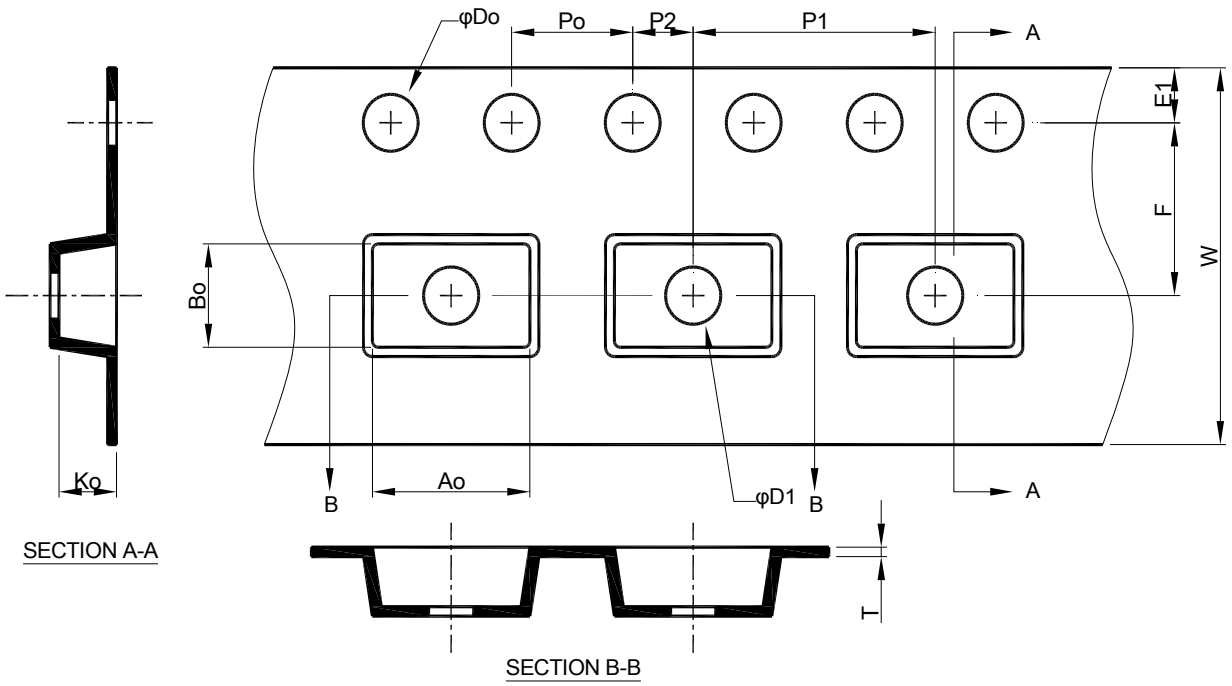
● SOT-223 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	6.90±0.20	7.50±0.20	2.10±0.20	0.30±0.05	1.50 $^{+0.10}_{-0.00}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

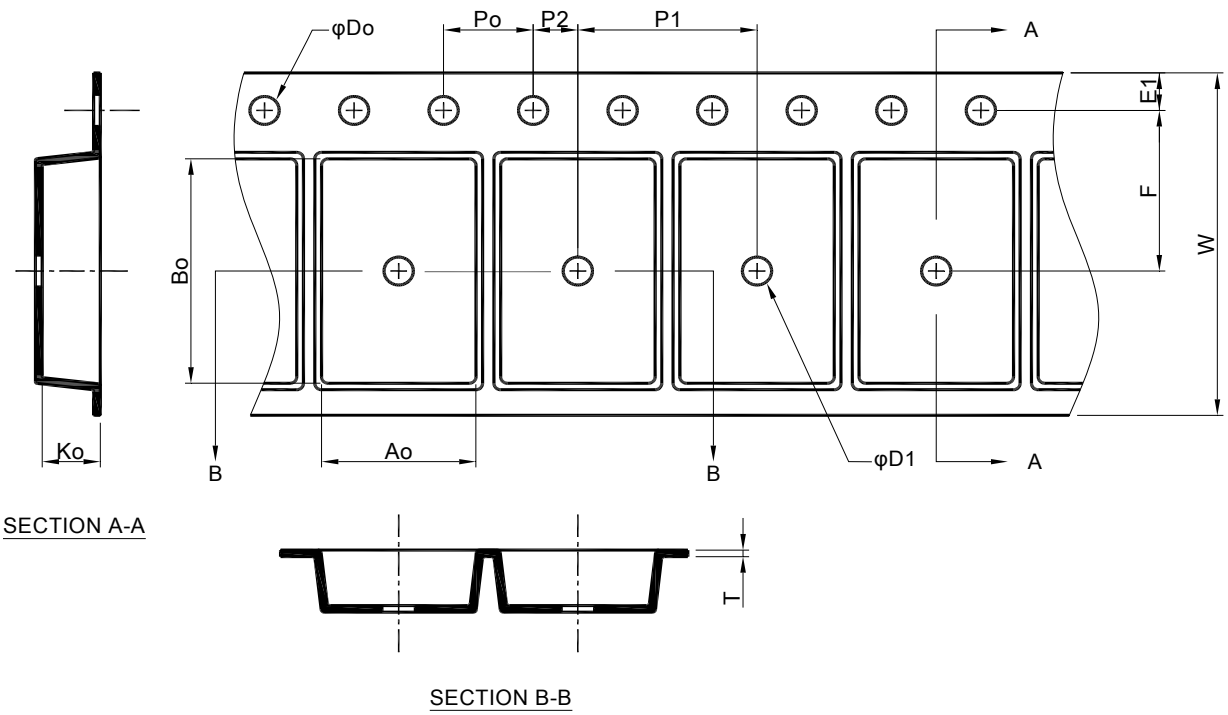
- MSOP-8/10 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	5.20±0.20	3.30±0.20	1.60±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

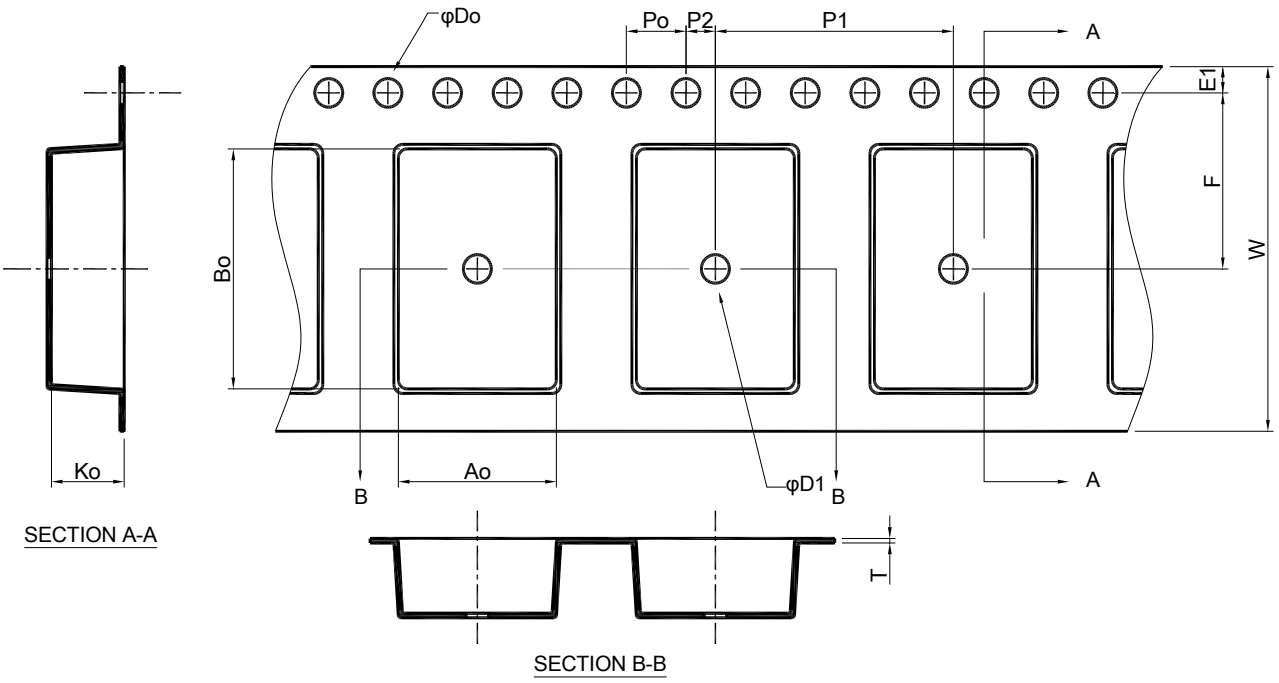
● TO-252 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	6.90±0.20	10.50±0.20	2.60±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.10	1.75±0.10	7.50±0.10	16.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

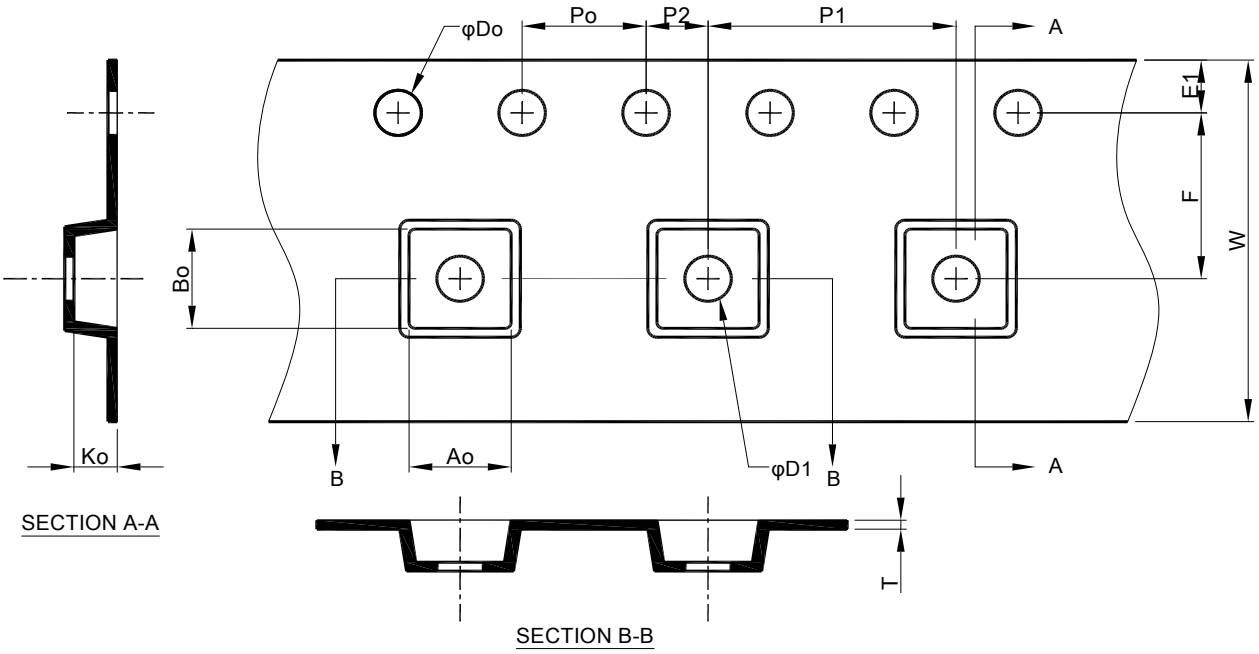
● TO-263 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	10.60±0.20	15.80±0.20	4.90±0.20	0.35±0.05	1.50 $^{+0.10}_{-0.00}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	16.00±0.10	2.00±0.10	1.75±0.10	11.50±0.10	24.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

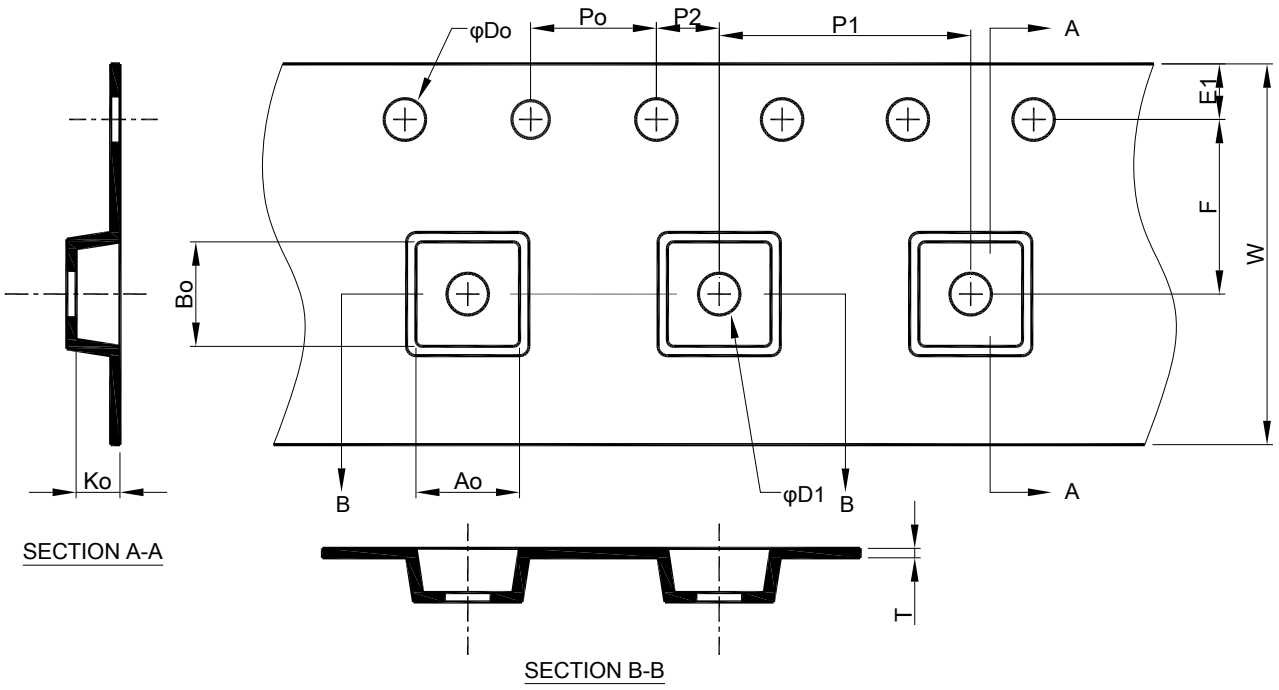
- QFN 3x3x0.6 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	3.30±0.20	3.30±0.20	0.90±0.20	0.30±0.05	1.50 $^{+0.10}_{-0.00}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note : 1. 10 sprocket hole pitch cumulative tolerance ± 0.2
2. Material: conductive polystyrene
3. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
4 Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

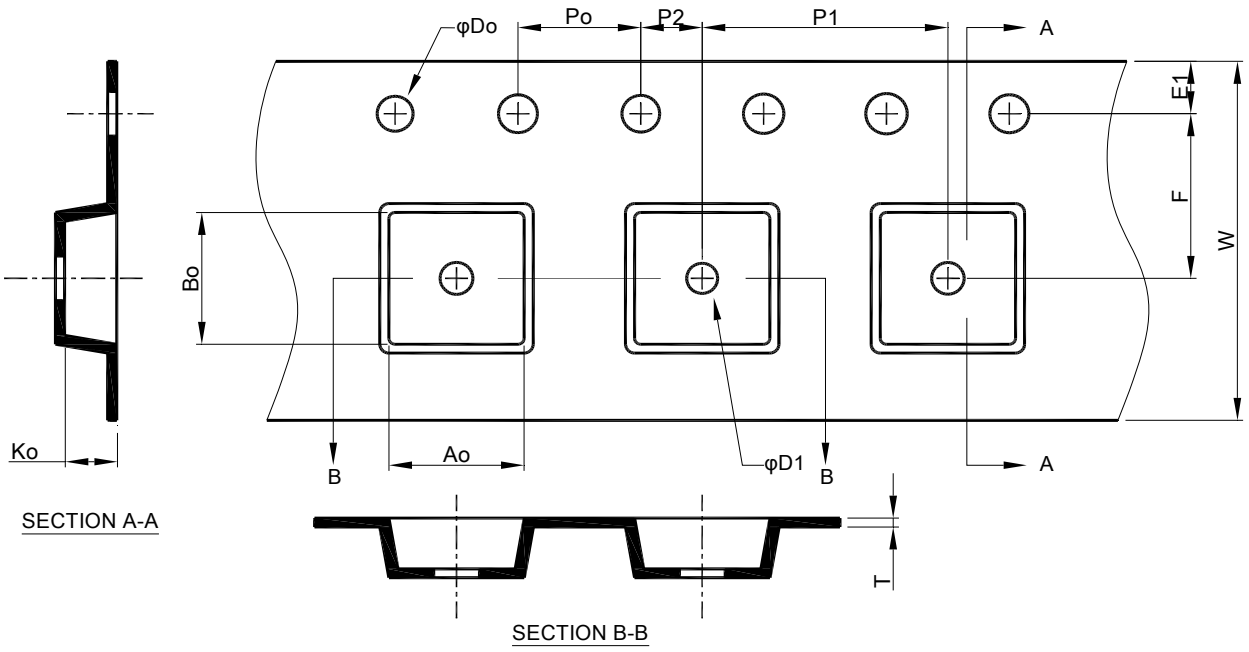
- QFN 3x3x0.9 CARRIER TAPE OUTLINE DRAWING



SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	3.30±0.20	3.30±0.20	1.20±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

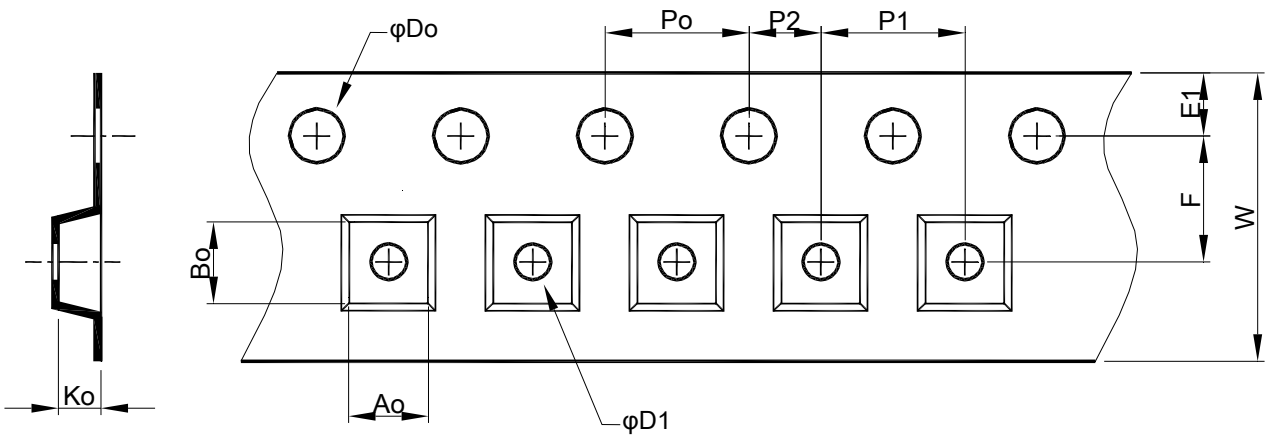
● QFN 4x4x0.9 CARRIER TAPE OUTLINE DRAWING



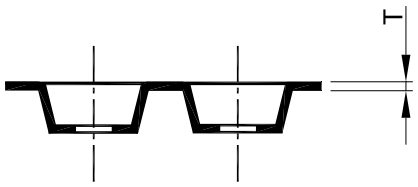
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	4.40±0.20	4.40±0.20	1.20±0.20	0.30±0.05	1.50 $^{+0.10}_{-0.00}$	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.05	1.75±0.10	5.50±0.05	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

● DFN 2x2x0.75 CARRIER TAPE OUTLINE DRAWING



SECTION A-A

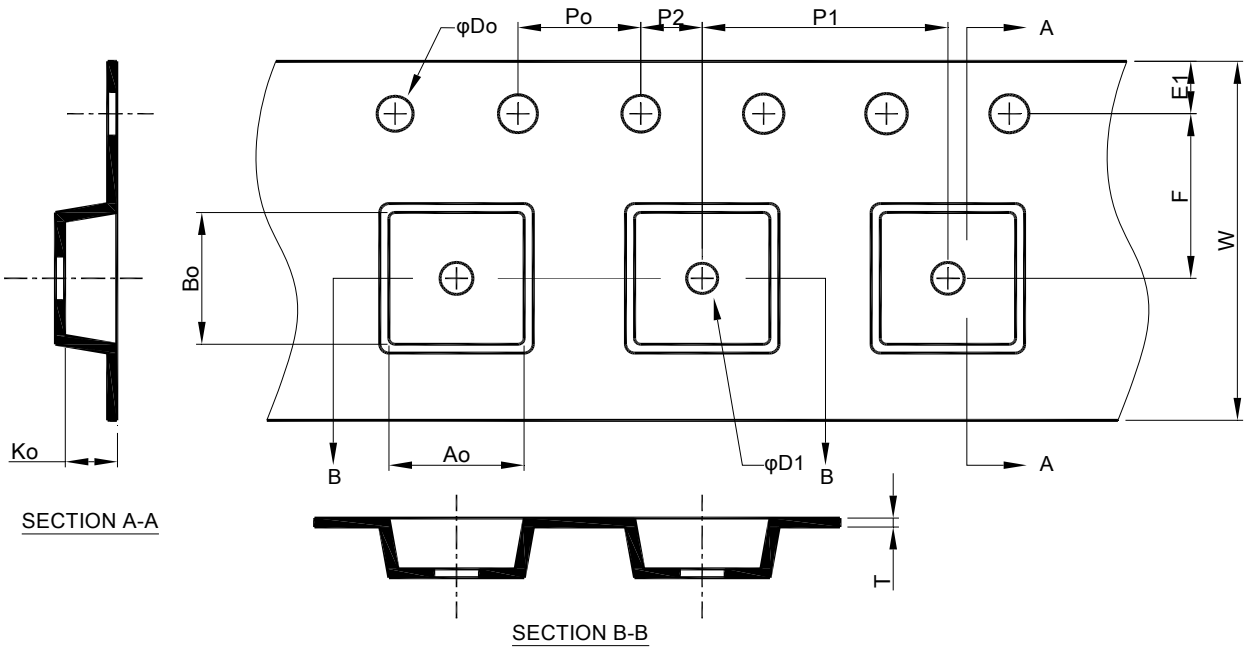


SECTION B-B

SYMBOL	Ao	Bo	Ko	T	φDo	φD1
SPEC.	2.24±0.10	2.34±0.10	1.22±0.10	0.254 ±0.013	1.50 +0.10 -0.00	1.00 +0.25 -0.00
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	4.00±0.10	2.00±0.05	1.75±0.10	3.50±0.05	8.00 +0.30 -0.10

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

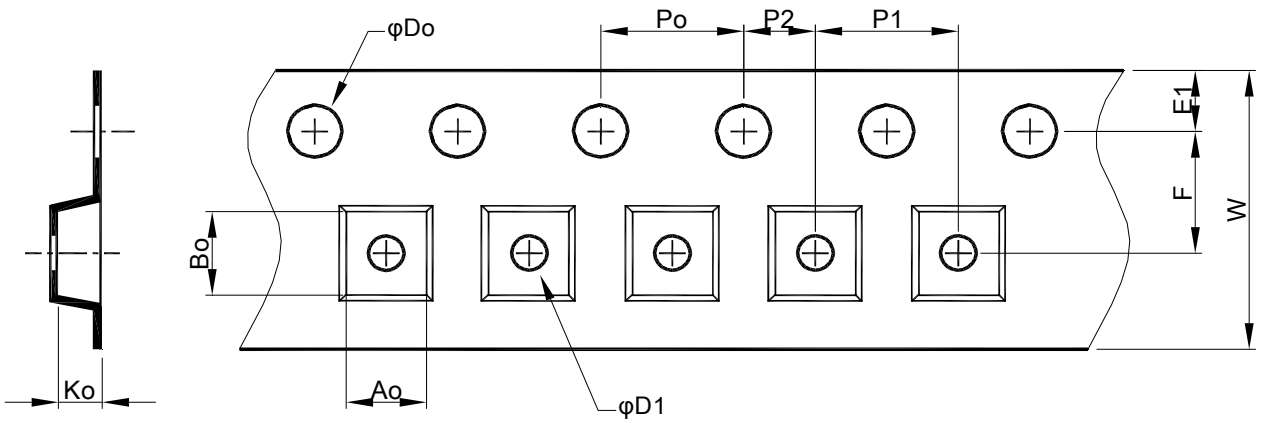
● DFN 3x3x0.75 CARRIER TAPE OUTLINE DRAWING



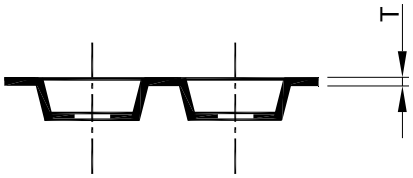
SYMBOL	Ao	Bo	Ko	T	Do	D1
SPEC.	3.30±0.20	3.30±0.20	1.00±0.20	0.30±0.05	1.50 +0.10 -0.00	1.50 min.
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00±0.10	8.00±0.10	2.00±0.10	1.75±0.10	5.50±0.10	12.00±0.30

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier

● SC-70/SC-82 CARRIER TAPE OUTLINE DRAWING



SECTION A-A



SECTION B-B

SYMBOL	Ao	Bo	Ko	T	φDo	φD1
SPEC.	2.25 ±0.10	2.40 ±0.10	1.22 ±0.10	0.254 ± 0.02	1.50 +0.10 -0.00	1.00 +0.25 -0.00
SYMBOL	Po	P1	P2	E1	F	W
SPEC.	4.00 ±0.10	4.00 ±0.10	2.00 ±0.05	1.75 ±0.10	3.50 ±0.05	8.00 +0.30 -0.10

Note: 1. Refer to EIA-481-B
2. 10 sprocket hole pitch cumulative tolerance ± 0.2
3. Material: conductive polystyrene
4. Ao and Bo measured on a plane 0.3mm above the bottom of the pocket
5. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier