



SPEC NO: MF-PO-S-0001

REV: 30.0

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TITLE: PACKAGE SPECIFICATION
包装规范

1. Table of Tape and Reel, Tube and Tray 编带卷盘, 胶管托盘表格

Part Number	Package Description	Quantity /Reel	Quantity /Tube	Quantity /Tray	Reel Diameter	Carrier Tape Width	Carrier Tape Pitch	Trailer Leader/ Reel
产品号	封装	数量/卷盘	数量/胶管	数量/托盘	卷盘直径	载带宽度	载带线距	前后空带数/卷盘
MP####xH-Z	MSOP8/10 w/Exposed Pad	2500	50	N/A	13 in.	12 mm	8 mm	110&110
MP####xK-Z	MSOP8/10	2500	50	N/A	13 in.	12 mm	8 mm	110&110
MP####xP	PDIP8	N/A	50	N/A	N/A	N/A	N/A	N/A
MP####xP	PDIP16	N/A	25	N/A	N/A	N/A	N/A	N/A
MP####xP	PDIP8 w/Exposed Pad	N/A	50	N/A	N/A	N/A	N/A	N/A
MP####QD-Z	QFN 1.0x1.5	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQFU-Z	QFN 1.2x1.6x0.55	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQG-Z	QFN 1.4x1.8	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQGU-Z	QFN 1.4x1.8x0.55	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####QH-Z	QFN 1.5x2.0	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQHU-Z	QFN 1.5x2.0x0.55	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQEU-Z	QFN 1.5x2.5x0.55	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####QE-Z	QFN 1.5x2.5	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQF-Z	QFN 1.6x1.2	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xQFU-Z	QFN 1.6x1.2x0.55	5000	N/A	N/A	13 in.	8 mm	4 mm	125&125
MP####xG-Z	QFN 2x2	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xGU-Z	QFN 2x2x0.55	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xRP-Z	QFN 2x2.5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xD-Z	QFN 2x3	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xDU-Z	QFN 2x3x0.55	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQA-Z	QFN 2.2x2.6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQBU-Z	QFN 2.5x3.0x0.55	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xRG-Z	QFN 2.5x3.2	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xRH-Z	QFN 2.5x3.5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xD-Z	QFN 3x2	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQ-Z	QFN 3x3	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQU-Z	QFN 3x3x0.55	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xL-Z	QFN 3x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQV-Z	QFN 3x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xRJ-Z	QFN 3x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQC-Z	QFN 3.5x3.5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xRM-Z	QFN 3.5x4.5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xR-Z	QFN 4x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xV-Z	QFN 4x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQW-Z	QFN 4x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xV-Z	QFN 5x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xU-Z	QFN 5x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQJ-Z	QFN 5x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQX-Z	QFN 5x8	5000	N/A	N/A	13 in.	16 mm	8 mm	125&125
MP####xQK-Z	QFN 6x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xQY-Z	QFN 6x8	5000	N/A	N/A	13 in.	16 mm	8 mm	125&125
MP####xQN-Z	QFN 7x7	2500	N/A	N/A	13 in.	16 mm	12 mm	125&125
MP####xRK-T	QFN 10x10	N/A	N/A	240	N/A	N/A	N/A	N/A

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Part Number	Package Description	Quantity /Reel	Quantity /Tube	Quantity /Tray	Reel Diameter	Carrier Tape Width	Carrier Tape Pitch	Trailer Leader/ Reel
产品号	封装	数量/卷盘	数量/胶管	数量/托盘	卷盘直径	载带宽度	载带线距	前后空带数/卷盘
MP####xE-Z	SC70	3000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xS-Z	SOD123	3000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xTF-Z	SOT563	5000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xTL-Z	SOT583	5000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xS-Z	SOIC8 (Narrow Body)	2500	100	N/A	13 in.	12 mm	8 mm	110&110
MP####xN-Z	SOIC8 w/Exposed Pad (Narrow Body)	2500	100	N/A	13 in.	12 mm	8 mm	110&110
MP####xS-Z	SOIC14 (Narrow Body)	2500	57	N/A	13 in.	16 mm	8 mm	110&110
MP####xS-Z	SOIC16 (Narrow Body)	2500	50	N/A	13 in.	16 mm	8 mm	110&110
MP####xN-Z	SOIC16 w/Exposed Pad (Narrow Body)	2500	50	N/A	13 in.	16 mm	8 mm	110&110
MP####xY-Z	SOIC18 (Wide Body)	1000	40	N/A	13 in.	24 mm	12 mm	110&110
MP####xY-Z	SOIC20 (Wide Body)	1000	37	N/A	13 in.	24 mm	12 mm	110&110
MP####xWR-Z	SOIC24 w/Heat Slug and Reverse Lead Bend (Wide Body)	1000	31	N/A	13 in.	24 mm	12 mm	110&110
MP####xY-Z	SOIC28 (Wide Body)	1000	27	N/A	13 in.	24 mm	12 mm	110&110
MP####xT-Z	SOT23-3/5/6/8	3000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xJ-Z	TSOT23-4/5/6/8	3000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xJS-Z	TSOT23-6-SL	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xJL-Z	TSOT23-LL-6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xJR-Z	TSOT23-RL-6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xE-Z	SC70-5	3000	N/A	N/A	7 in.	8 mm	4 mm	125&125
MP####xM-Z	TSSOP8	2500	100	N/A	13 in.	12 mm	8 mm	110&110
MP####xM-Z	TSSOP14/16	2500	96	N/A	13 in.	16 mm	8 mm	110&110
MP####xF-Z	TSSOP16 w/Exposed Pad	2500	96	N/A	13 in.	16 mm	8 mm	110&110
MP####xM-Z	TSSOP20	2500	75	N/A	13 in.	16 mm	8 mm	110&110
MP####xF-Z	TSSOP20 w/Exposed Pad	2500	75	N/A	13 in.	16 mm	8 mm	110&110
MP####xM-Z	TSSOP28	2500	50	N/A	13 in.	16 mm	8 mm	110&110
MP####xF-Z	TSSOP28 w/Exposed Pad	2500	50	N/A	13 in.	16 mm	8 mm	110&110
MP####xFR-Z	TSSOP38 w/Exposed Pad, Reverse Lead	2500	31	N/A	13 in.	16 mm	8 mm	110&110
MP####xZ	TO220	N/A	50	N/A	N/A	N/A	N/A	N/A
MP####xZD	TO252-5	2500	N/A	N/A	13 in.	12 mm	8 mm	50/50
MP####xQN-T	TQFP7x7-1.0	N/A	N/A	250	N/A	N/A	N/A	N/A
MP####xRD-T	LQFP10x10x1.4	N/A	N/A	168	N/A	N/A	N/A	N/A
MP####xC-Z	WLCSP 0.8x0.8	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 0.8x1.6	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 0.85x1.05	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 0.85x1.25	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.0x1.5	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.05x1.6	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.2x1.6	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.3x1.7	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.3x2.1	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.35x1.35	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.35x2.55	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.4x1.8	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.5x1.5	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50

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Part Number	Package Description	Quantity /Reel	Quantity /Tube	Quantity /Tray	Reel Diameter	Carrier Tape Width	Carrier Tape Pitch	Trailer Leader/ Reel
产品号	封装	数量/卷盘	数量/胶管	数量/托盘	卷盘直径	载带宽度	载带线距	前后空带数/卷盘
MP####xC-Z	WLCSP 1.5x3.0	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.55x1.55	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.6x2.0	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.65x1.65	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.7x1.7	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.7x2.1	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 1.75x1.75	3000	N/A	N/A	7 in.	8 mm	4 mm	50/50
MP####xC-Z	WLCSP 2.0x2.0	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.0x3.0	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.15x1.75	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.25x2.35	3000	N/A	N/A	7 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.5x2.5	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.5x3.0	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.55x2.55	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 2.75x3.1	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 3.0x3.0	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 3.0x4.25	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MP####xC-Z	WLCSP 3.0x4.5	5000	N/A	N/A	13 in.	12 mm	8 mm	100/100
MPM####xG-Z	MPM QFN2x2x0.9	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xG-Z	MPM QFN2x2x1.6	2500	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xQB-Z	MPM QFN2.5x3.0x0.9	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xRH-Z	MPM QFN2.5x3.5x1.6	2500	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xQV-Z	MPM QFN3.0x5.0x1.6	2500	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xR-Z	MPM QFN4x4x1.6	2500	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xQW-Z	MPM QFN4x6x1.6	2500	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPM####xQN-T	MPM QFN7x7x4.0	N/A	N/A	416	N/A	N/A	N/A	N/A
MPM####xQQ-T	MPM QFN8x8x1.6	N/A	N/A	348	N/A	N/A	N/A	N/A
MPM####xRF-T	MPM QFN10x12x4.0	N/A	N/A	210	N/A	N/A	N/A	N/A
MPM####xRE-T	MPM QFN12x12x4	N/A	N/A	168	N/A	N/A	N/A	N/A
MPM####xRU-T	MPM QFN12x15x4	N/A	N/A	136	N/A	N/A	N/A	N/A
MPM####xLD-T	MPM LGA10x10x4.2	N/A	N/A	168	N/A	N/A	N/A	N/A
MPM####xLE-T	MPM LGA12x12x4.2	N/A	N/A	168	N/A	N/A	N/A	N/A
MP####xLN-Z	LGA 2x3	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLQ-Z	LGA 3x3	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLK-Z	LGA 3x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLJ-Z	LGA 3x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLR-Z	LGA 4x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLV-Z	LGA 4x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xMW-Z	LGA 4x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xLU-Z	LGA 5x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xMJ-Z	LGA 5x6	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MPQ####xMJ-Z	LGA 6x5	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xMMT-Z	LGA 6x7	5000	N/A	N/A	13 in.	16 mm	8 mm	125&125
MP####xBR-Z	BGA 4x4	5000	N/A	N/A	13 in.	12 mm	8 mm	125&125
MP####xBN-T	BGA 7x7	N/A	N/A	260	N/A	N/A	N/A	N/A

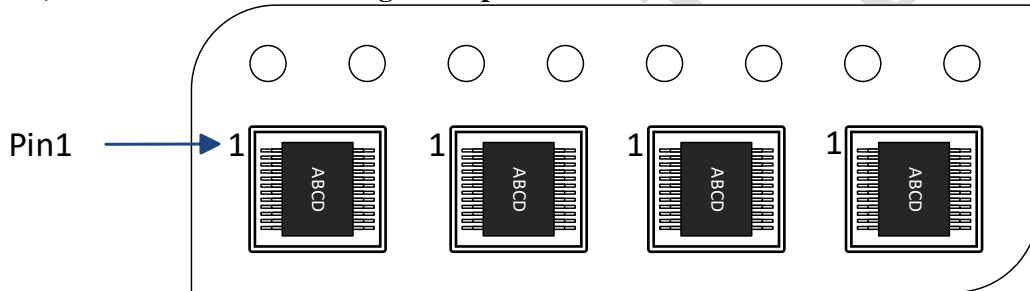
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产品号	封装	数量/卷盘	数量/胶管	数量/托盘	卷盘直径	载带宽度	载带线距	前后空带数/卷盘
MP####xBD-T	BGA 10x10	N/A	N/A	240	N/A	N/A	N/A	N/A
MPC1100-54-0000-Z	Module 18x27	300	N/A	56	13 in.	44 mm	24 mm	25&25

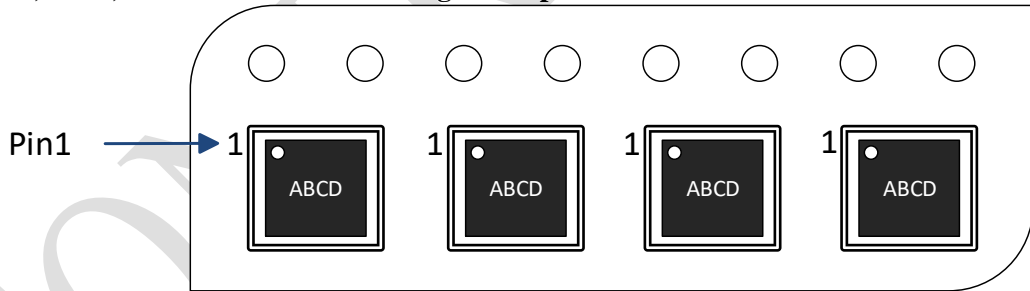
* N/A indicates “not available” for the packing method. For 500 piece tape & reel prototype quantities, see factory specification. (Order code for 500 piece partial reel is “-P”, tape & reel dimensions same as full reel.)
N/A 表示该产品不适用该包装方式出货。对于每卷500个的编带&卷盘，参见工厂规范。（针对500每卷的订单编号，应带后缀-P，外观尺寸与整卷出货一致）

Pin 1 Orientation by Package Type

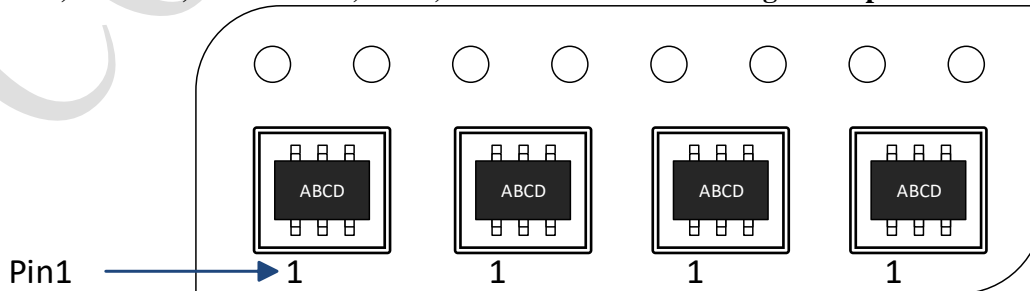
- SOIC, TSSOP and MSOP Packages in tape



- QFN, LGA, BGA and WLCSP Packages in tape

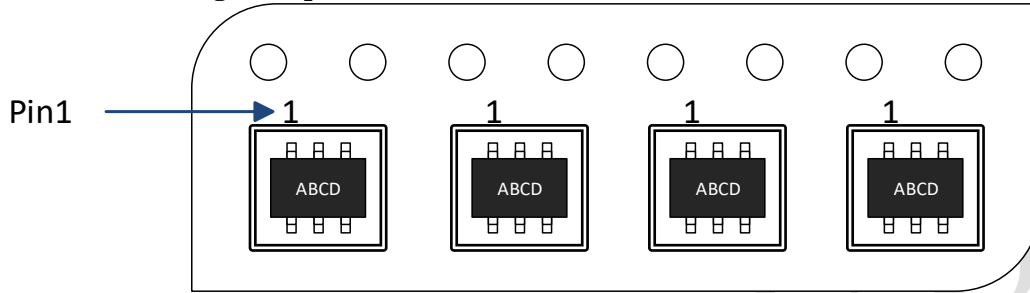


- SOT23, TSOT23, TSOT23-LL, SC70, SOT563&SOT583 Packages in tape

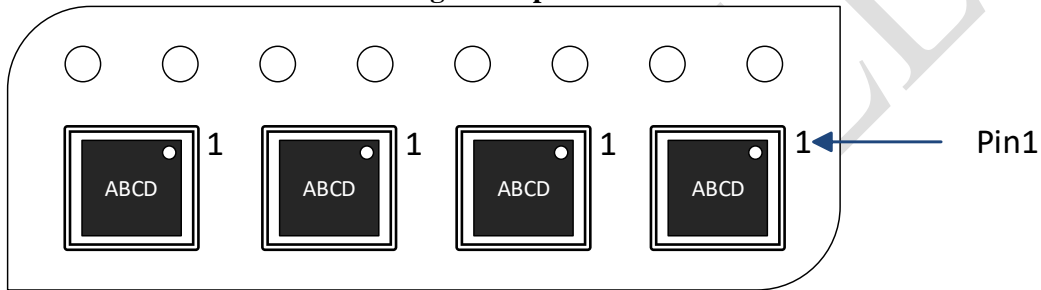


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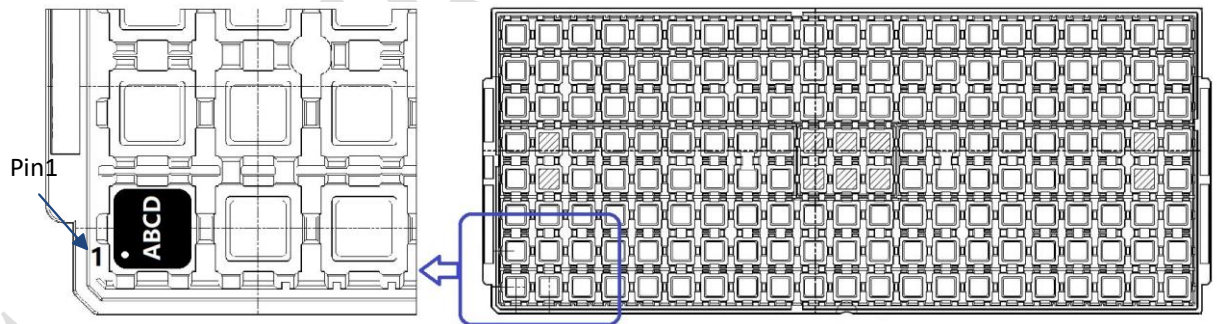
- **TSOT23-RL Package in tape**



- **Bare Die and Module 18x27 Packages in tape**



- **All packages in Tray**



2. Partial Reels 非完整卷盘

2.1. MPS may offer partial reel with only 500 units in the reel.

MPS 会提供只含 500 颗产品的非完整卷盘。

2.2. The reel size of partial reel will be the same as standard Tape and Reel, as exhibited on the table in section 3.0. However, the reel size of partial reel of QFN packages shipped out from MPS/USA might be 7”.

非完整卷盘的尺寸与 3.0 表中的标准的 T&R 一样，然而，从 MPS/USA 出货的 QFN 封装的非完整卷盘的尺寸可能是 7”。