1. PURPOSE

1.1. This specification meets the requirements of automatic component placement machines.

2. SCOPE

2.1. This specification applies to the parts mentioned throughout the document and includes those dimensions that are needed for the taping of components for mentioned purposes.

3. REFERENCE DOCUMENTS

3.1. Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes IEC 60286-3

3.2. 8 mm through 200 mm Embossed Carrier Taping and 8 mm and 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling EIA-481

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4. TABLE OF TAPE AND REEL

Part Number / Series	Package Description	Quantity / Reel	Reel Diameter	Carrier Tape Width	Carrier Tape Pitch	MSL
MPL-AT2010-**xxx** **xxx** = R47, R68, 1R0, 1R5, 2R2	2010 (2.0 x 1.6 x 1.0 mm)	2000	7 in.	8 mm	4 mm	1
MPL-AT2010-**xxx** **xxx**= R47C, 1R0C, 1R5C, 2R2C, 4R7	2010 (2.0 x 1.6 x 1.0 mm)	3000	7 in.	8 mm	4 mm	1
MPL-AT2512-**xxx** **xxx**= R33, R47, R68, 1R0, 1R5, 2R2, 3R3, 4R7	2512 (2.5 x 2.0 x 1.2 mm)	2000	7 in.	8 mm	4 mm	1
MPL-AT2512-**xxx** **xxx**= R47C, 1R0C, 1R5C, 2R2C, 4R7C, 6R8, 100C	2512 (2.5 x 2.0 x 1.2 mm)	3000	7 in.	8 mm	4 mm	1
MPL-AL4020	4020 (4.1 x 4.1 x 1.9 mm)	3000	13 in.	12 mm	8 mm	1
MPL-AL5030	5030 (5.5 x 5.3 x 2.9 mm)	2000	13 in.	16 mm	8 mm	1
MPL-AL5050	5050 (5.5 x 5.3 x 4.8 mm)	1500	13 in.	16 mm	8 mm	1
MPL-AL6050	6050 (6.6 x 6.4 x 4.8 mm)	800	13 in.	16 mm	12 mm	1
MPL-AL6060	6060 (6.6 x 6.4 x 5.8 mm)	750	13 in.	16 mm	12 mm	1
MPL-AY3020	3020 (3.5 x 3.2 x 1.8 mm)	3000	13 in.	12 mm	8 mm	1
MPL-AY4020	4020 (4.45 x 4.1 x 1.8 mm)	3000	13 in.	12 mm	8 mm	1
MPL-AY1050	1050 (11 x 10 x 4.8 mm)	500	13 in.	24 mm	16 mm	1
MPL-AY1265	1265 (13.5 x 12.6 x 6.2 mm)	500	13 in.	24 mm	16 mm	1
MPL-SE2512	2512 (2.5 x 2.0 x 1.2 mm)	2000	7 in.	8 mm	4 mm	1
MPL-SE4030	4030 (4.0 x 4.0 x 3.0 mm)	2000	13 in.	12 mm	8 mm	1
MPL-SE5040	5040 (4.9 x 4.9 x 4.0 mm)	1200	13 in.	12 mm	8 mm	1
MPL-SE6040	6040 (6.0 x 6.0 x 4.0 mm)	1000	13 in.	16 mm	12 mm	1
MPL-SR7345	7345 (7.3 x 7.3 x 4.5 mm)	1000	13 in.	16 mm	12 mm	1
MPL-SP1050	1050 (10 x 10 x 5.0 mm)	800	13 in.	24 mm	16 mm	1

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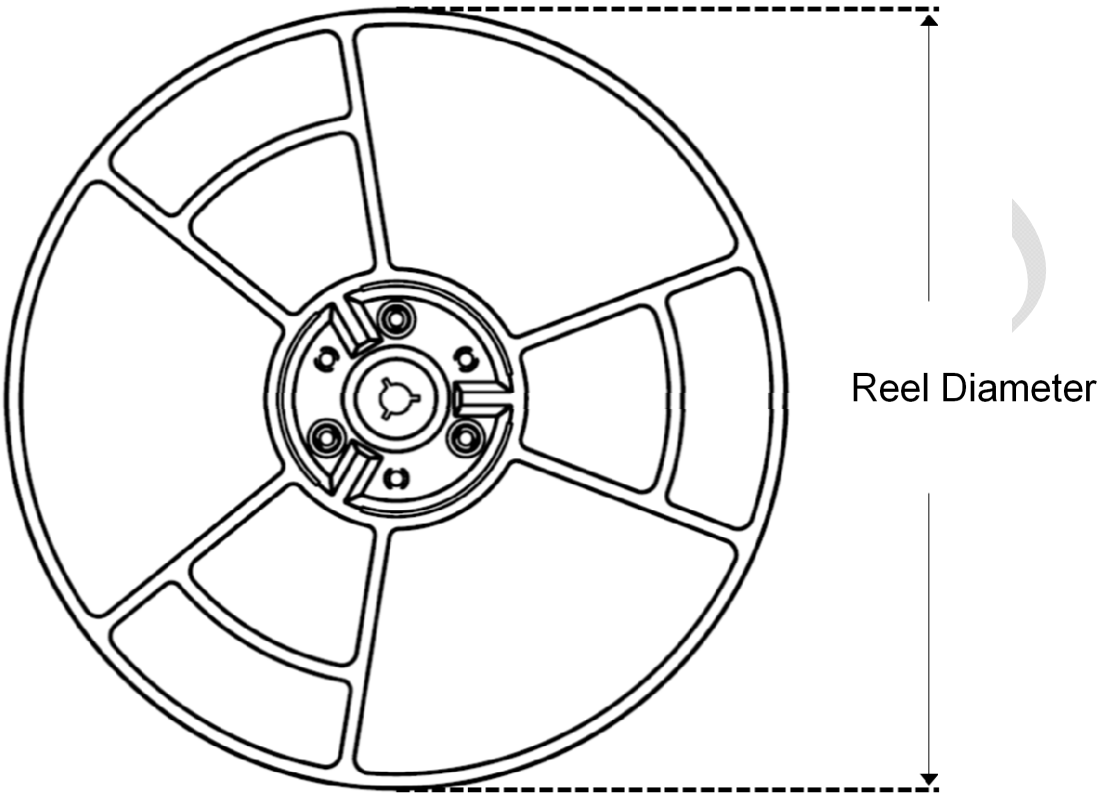
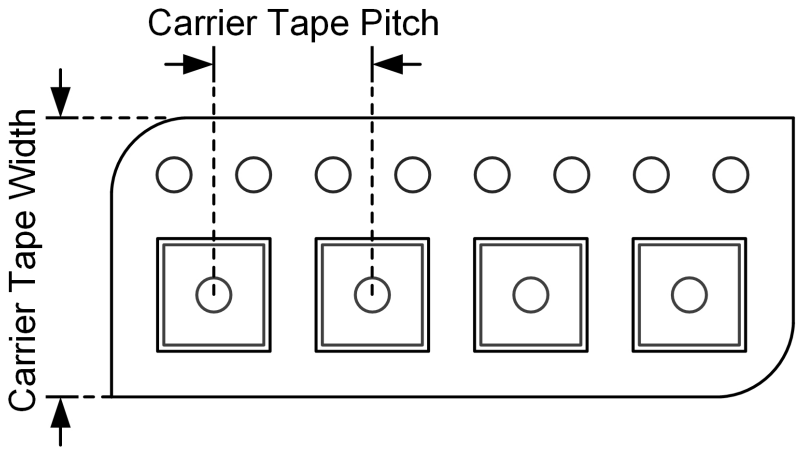
5. REEL DIAGRAM



6. CARRIER TAPE DIAGRAM



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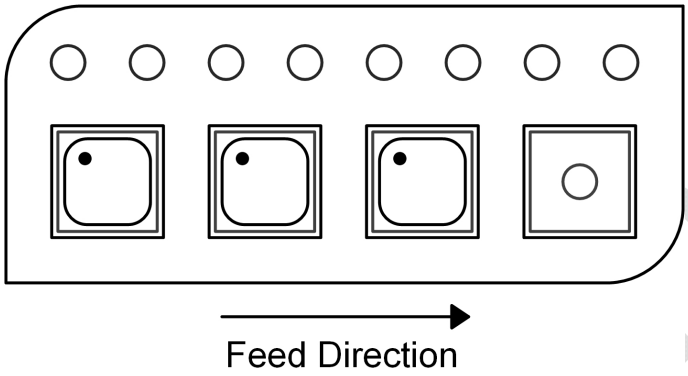
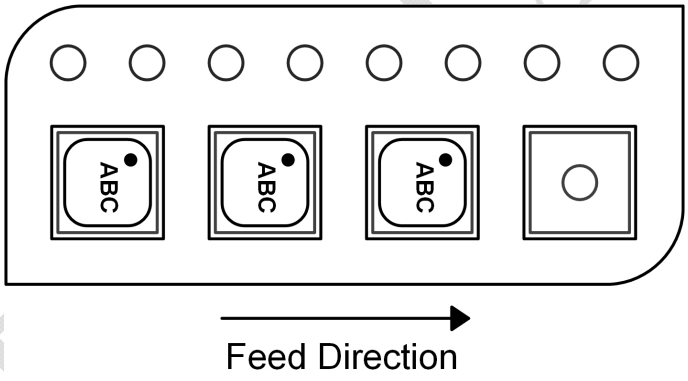
7. ORIENTATION BY TAPE AND REEL

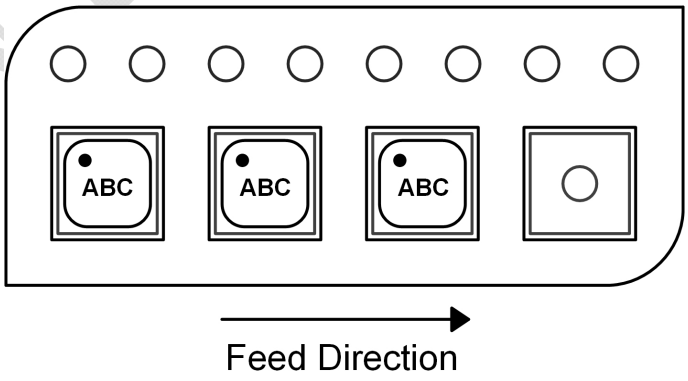
MPL-AT2010
MPL-AT2512



MPL-AY3020
MPL-AY4020
MPL-AY1050
MPL-AY1265



MPL-AL4020
MPL-AL5030
MPL-AL5050
MPL-AL6050
MPL-AL6060



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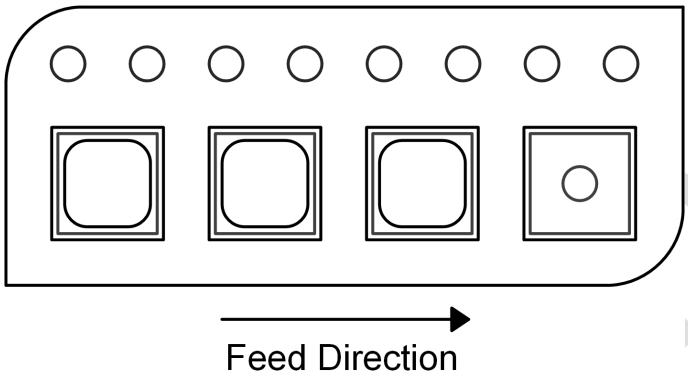
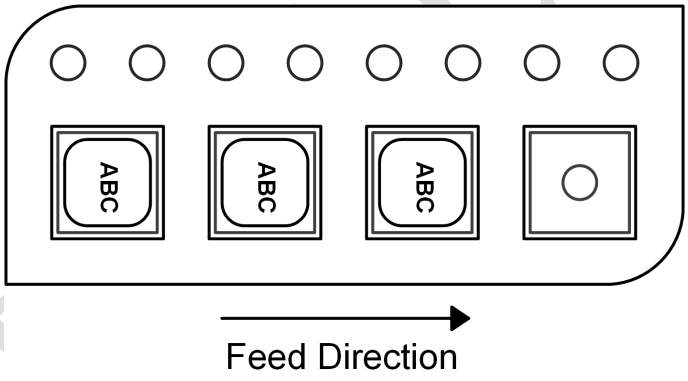
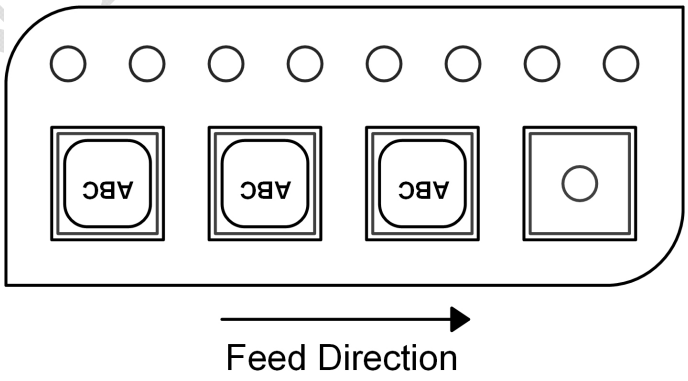
MPL-SE2512



MPL-SE4030



MPL-SE5040
MPL-SE6040



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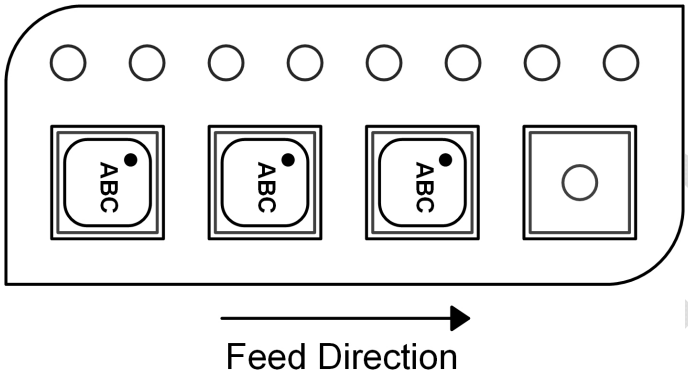
MPL-SR7345

MPL-SP1050



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