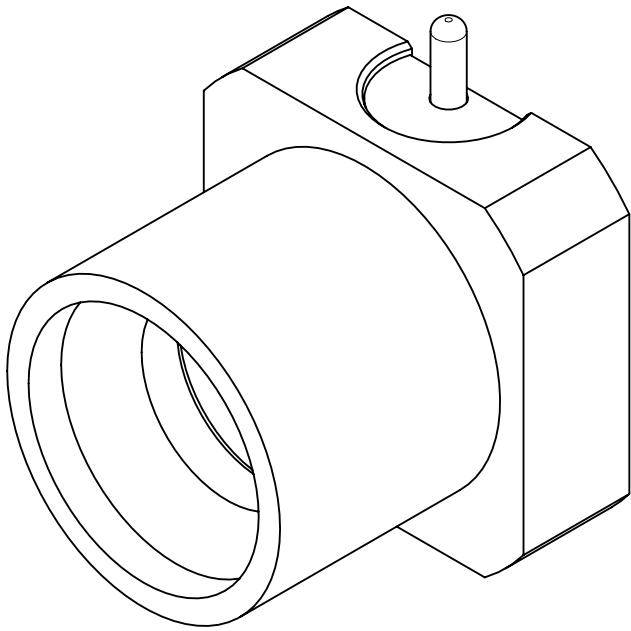


MATERIALS AND FINISHES

BODY: BRASS
PLATED GOLD (5μ-in MIN) OVER
NICKEL (80μ-in MIN)

CONTACT: BERYLLIUM COPPER
PLATED GOLD (5μ-in MIN) OVER
NICKEL (80μ-in MIN)

INSULATOR: ULTEM



SMPM PLUG
INTERFACE
(FULL DETENT)

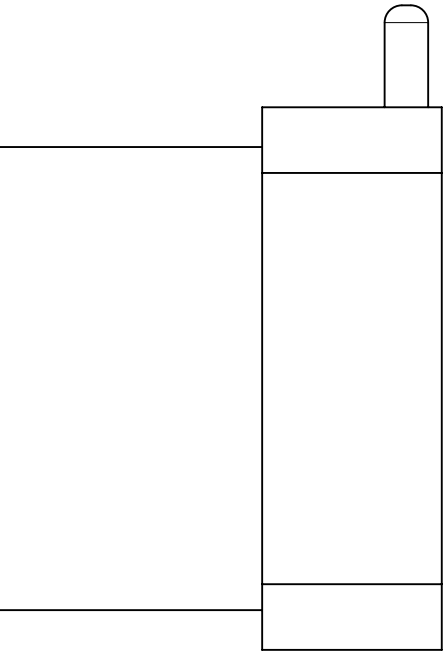
Ø .134 ±.004
[3.40 ±0.10]

R/P

.077 ±.002
[1.96 ±0.05]

KAPTON TAPE
USED ONLY ON
P/N: 73300-0082

Ø .157 REF
[4.00]



.004 ^{+.000}_{-.004}
[0.10 ^{+0.00}_{-0.10}]

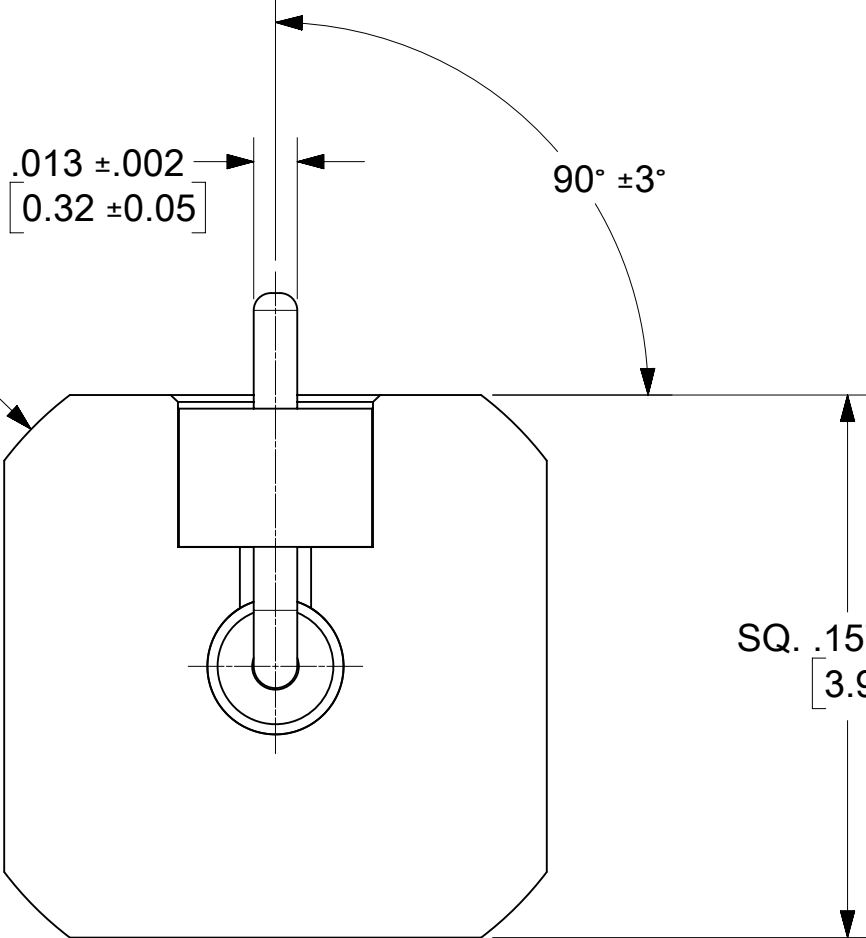
.030 ±.010
[0.75 ±0.25]

Ø .013 ±.002
[0.32 ±0.05]

90° ±3°

Ø .197 ±.004
[5.00 ±0.10]

SQ. .157 ±.004
[3.99 ±0.10]



73300-0083	73300-0080 ONE PER BAG
73300-0082	73300-0080 T & R W/KAPTON TAPE (1200 PCS PER REEL)
73300-0081	73300-0080 TAPE AND REEL (1200 PCS PER REEL)
73300-0080	SMPM PLUG FD INTERFACE (TRAY 80 CAVITY)
PART NO.	PACKAGING

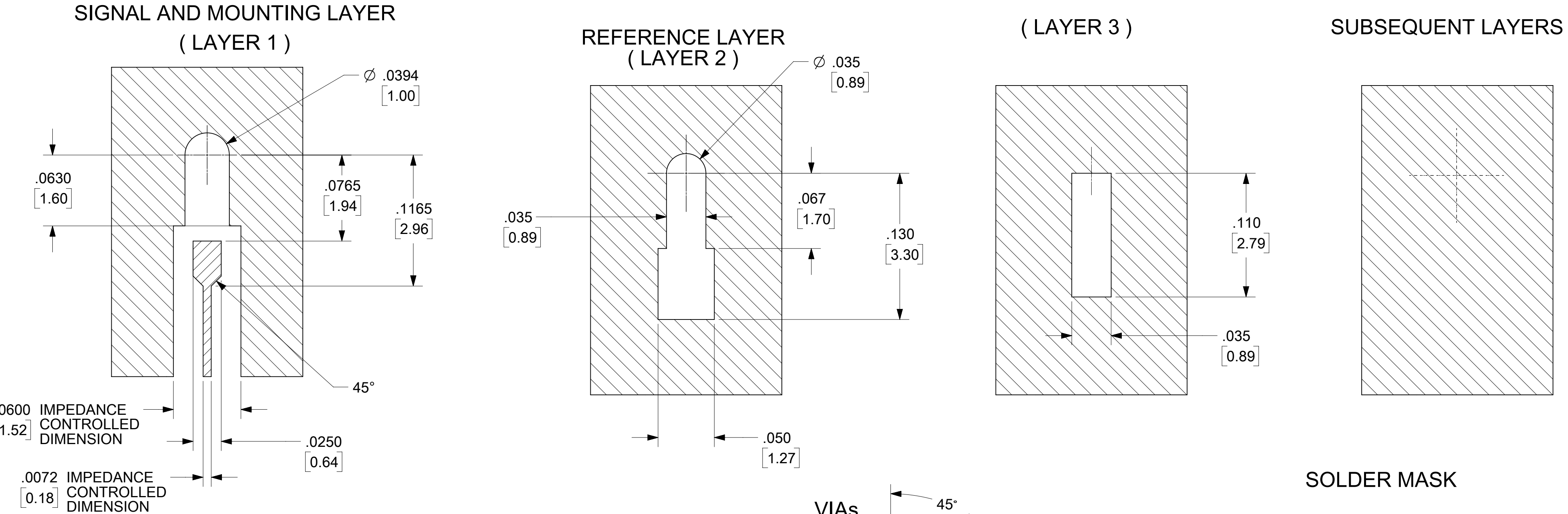
MIL-STD-348, FIG. 328-2	INTERFACE
SPECIFICATION	DESCRIPTION

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F				molex	
INCH/MM		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-73300-008 DOC TYPE PSD DOC PART 001 REVISION B5					
	MM	INCH							
4 PLACES	±	±							
3 PLACES	±	±							
2 PLACES	±	±							
1 PLACE	±	±							
0 PLACES	±	±		INITIAL REVISION:					
ANGULAR TOL ± °				DRWN: JLEE		2010/10/29			
				APPR: JWIENER		2010/11/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						C-SIZE		73300	
						MATERIAL NUMBER		CUSTOMER	
						733000080			
								SHEET NUMBER	
								1 OF 7	

PCB CONNECTOR LAUNCH / PAD (FOR REFERENCE ONLY)

ALL HATCHED SURFACES SHOWN BELOW ARE COPPER (Cu)



PCB STACK UP

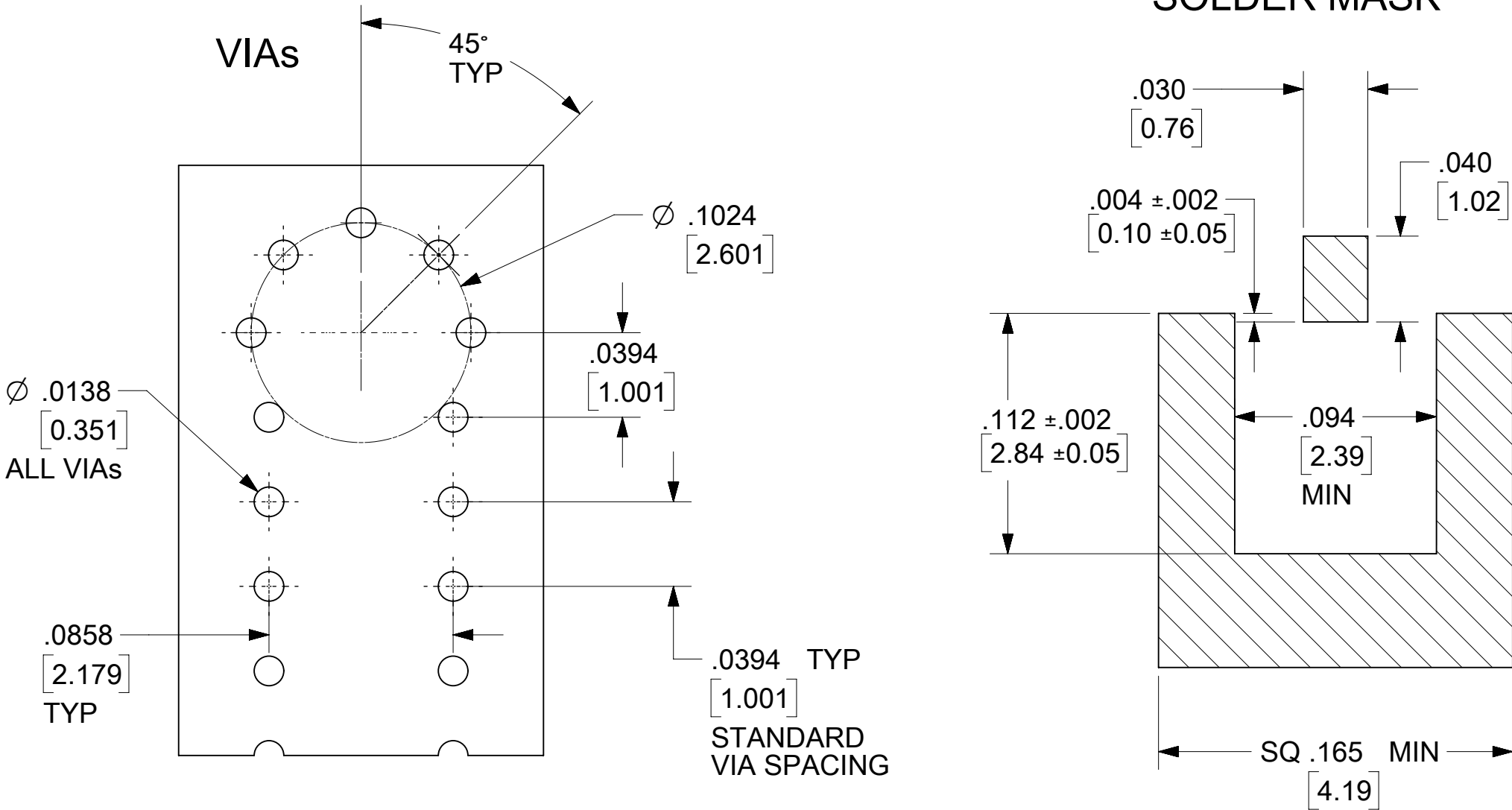
LAYER	MATERIAL	Dk	THICKNESS (mil)
1	1/2 oz. Cu + PLATING		2.1
	MEGTRON 6	3.7	4.0
2	1/2 oz. Cu		0.7
	MEGTRON 6	3.7	4.0
3	1/2 oz. Cu		0.7
	MEGTRON 6	3.7	4.0
4*	1/2 oz. Cu		0.7

* SUBSEQUENT LAYERS MAY BE ADDED AS REQUIRED FOR INDIVIDUAL APPLICATIONS

TYPICAL PERFORMANCE CHARATERISTICS
WITH CONNECTOR AND PCB LAUNCH SHOWN

VSWR (FULLY MATED)	FREQUENCY BAND
1.35	DC TO 18 GHz

VARYING PCB STACKUPS AND PCB LAUNCH WILL RESULT IN VARYING RESULTS
CONTACT MOLEX RF / MICROWAVE FOR APPLICATION SPECIFIC ASSISTANCE



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

INCH/MM

SCALE

NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

73300

CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F

EC NO: 655035

DRWN: RYEH

CHK'D: YCHENG

APPR: YCHENG

2021/01/08

2021/02/22

2021/02/22

INITIAL REVISION:

DRWN: JLEE

APPR: JWIENER

2010/10/29

2010/11/18

DOCUMENT NUMBER

SD-73300-008

DOC TYPE

PSD

DOC PART

001

REVISION

B5

MATERIAL NUMBER

733000080

CUSTOMER

SHEET NUMBER

2 OF 7

mo

lex

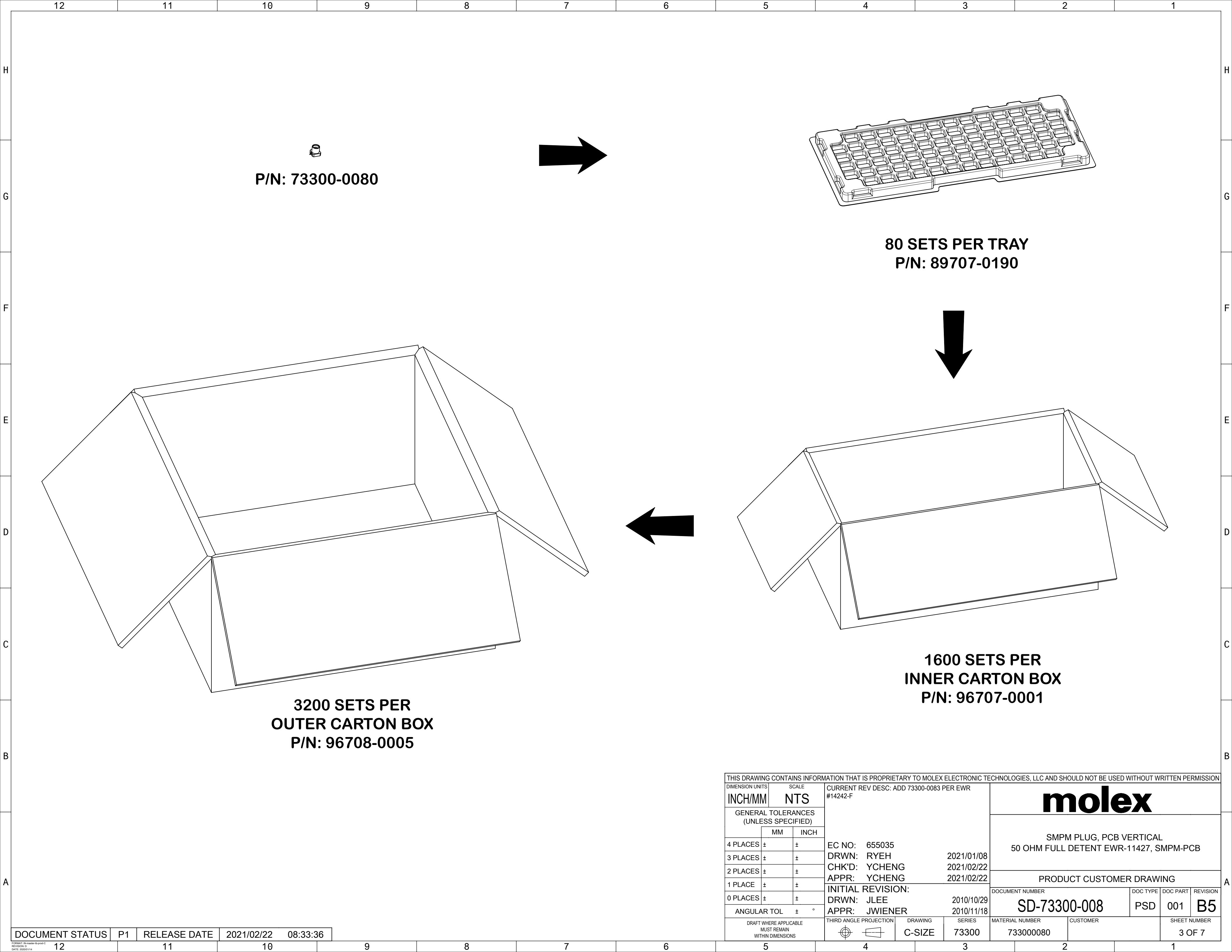
SMPM PLUG, PCB VERTICAL

50 OHM FULL DETENT EWR-11427, SMPM-PCB

PRODUCT CUSTOMER DRAWING

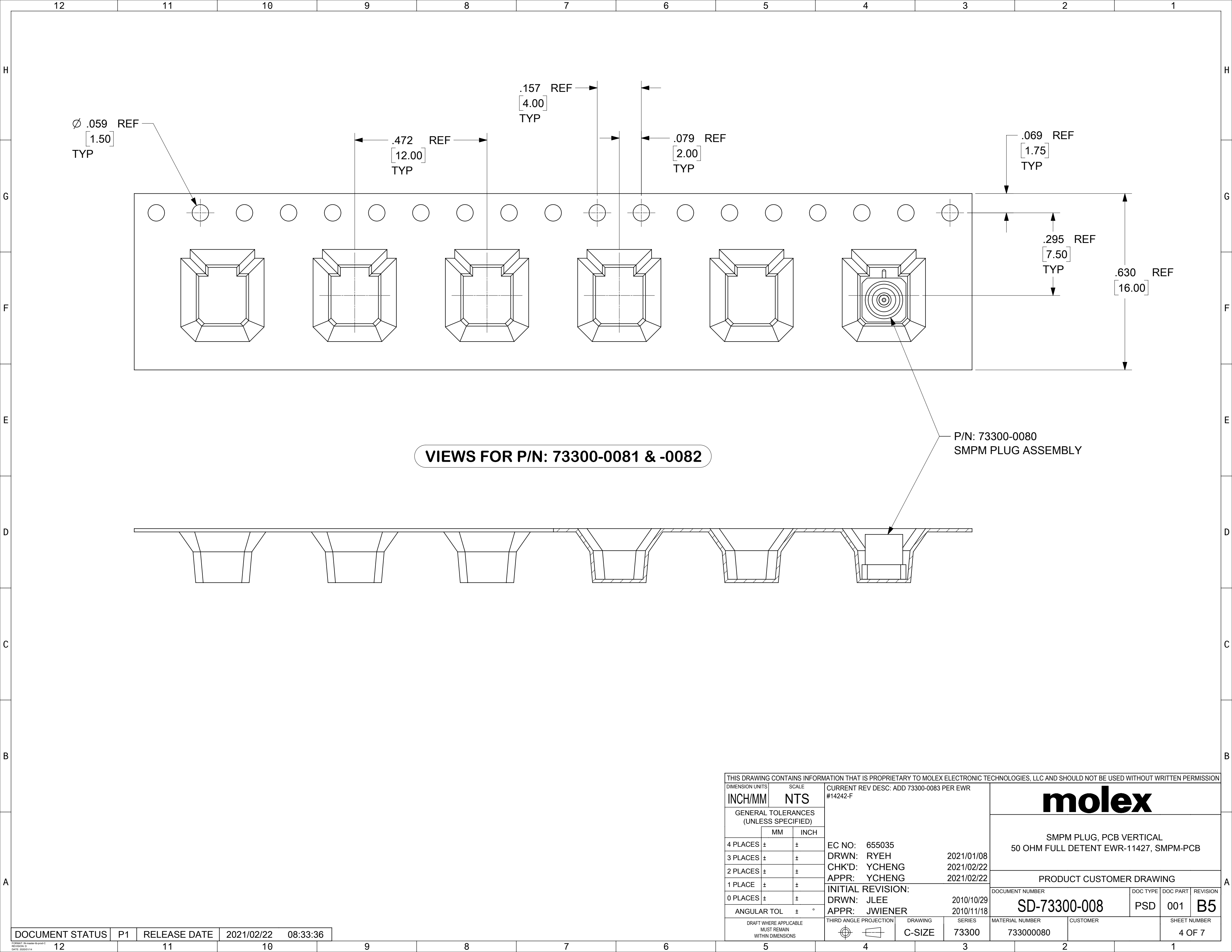
DOCUMENT STATUS P1 RELEASE DATE 2021/02/22 08:33:36

121110987654321



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F			molex				
INCH/MM		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB							
										MM	
4 PLACES		±	±							EC NO: 655035 DRWN: RYEH 2021/01/08 CHK'D: YCHENG 2021/02/22 APPR: YCHENG 2021/02/22	
3 PLACES		±	±								
2 PLACES		±	±								
1 PLACE		±	±								
0 PLACES		±	±								
ANGULAR TOL		±	°								
INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
DRWN: JLEE 2010/10/29				SD-73300-008		PSD	001	B5			
APPR: JWIENER 2010/11/18											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
					C-SIZE	73300	733000080		3 OF 7		

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------



VIEWS FOR P/N: 73300-0081 & -0082

P/N: 73300-0080
SMPM PLUG ASSEMBLY

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F				molex SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB										
INCH/MM		NTS																
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 655035 DRWN: RYEH 2021/01/08 CHK'D: YCHENG 2021/02/22 APPR: YCHENG 2021/02/22 INITIAL REVISION: DRWN: JLEE 2010/10/29 APPR: JWIENER 2010/11/18														
	MM	INCH	PRODUCT CUSTOMER DRAWING															
4 PLACES	±	±																
3 PLACES	±	±	DOCUMENT NUMBER SD-73300-008 DOC TYPE PSD DOC PART 001 REVISION B5															
2 PLACES	±	±																
1 PLACE	±	±																
0 PLACES	±	±																
ANGULAR TOL ± °			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 73300		MATERIAL NUMBER 733000080		CUSTOMER		SHEET NUMBER 4 OF 7	

molex

SMPM PLUG, PCB VERTICAL
50 OHM FULL DETENT EWR-11427, SMPM-PCB

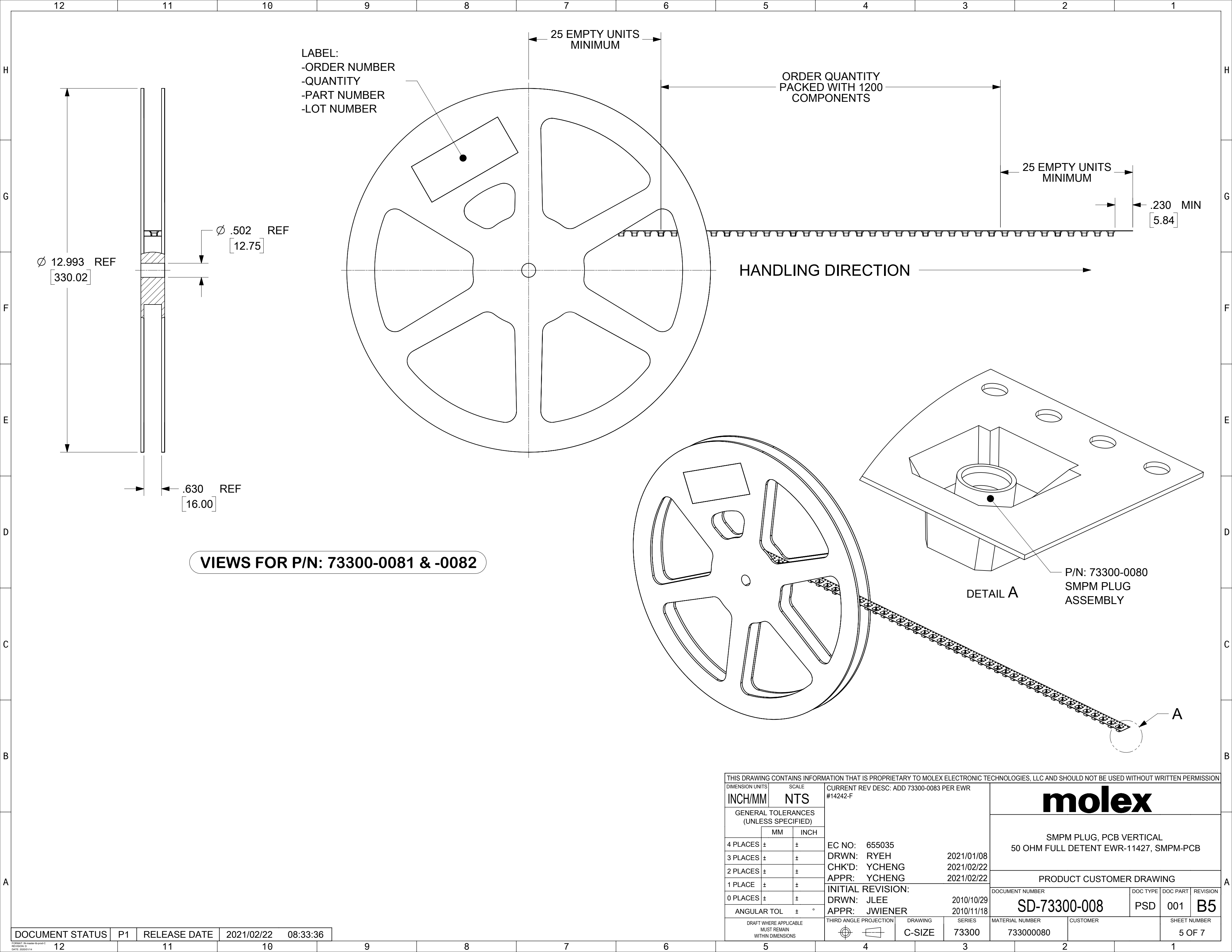
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-73300-008	PSD	001	B5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
733000080		4 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------

12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	---	---	---	---	---	---	---	---	---



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F			molex							
INCH/MM		NTS												
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 655035 DRWN: RYEH 2021/01/08 CHK'D: YCHENG 2021/02/22 APPR: YCHENG 2021/02/22 INITIAL REVISION: DRWN: JLEE 2010/10/29 APPR: JWIENER 2010/11/18						SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB				
													MM	
4 PLACES	±	±												
3 PLACES	±	±												
2 PLACES	±	±												
1 PLACE	±	±												
0 PLACES	±	±												
ANGULAR TOL				±	°		PRODUCT CUSTOMER DRAWING							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 73300		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
										SD-73300-008		PSD	001	B5
								MATERIAL NUMBER 733000080		CUSTOMER		SHEET NUMBER 5 OF 7		

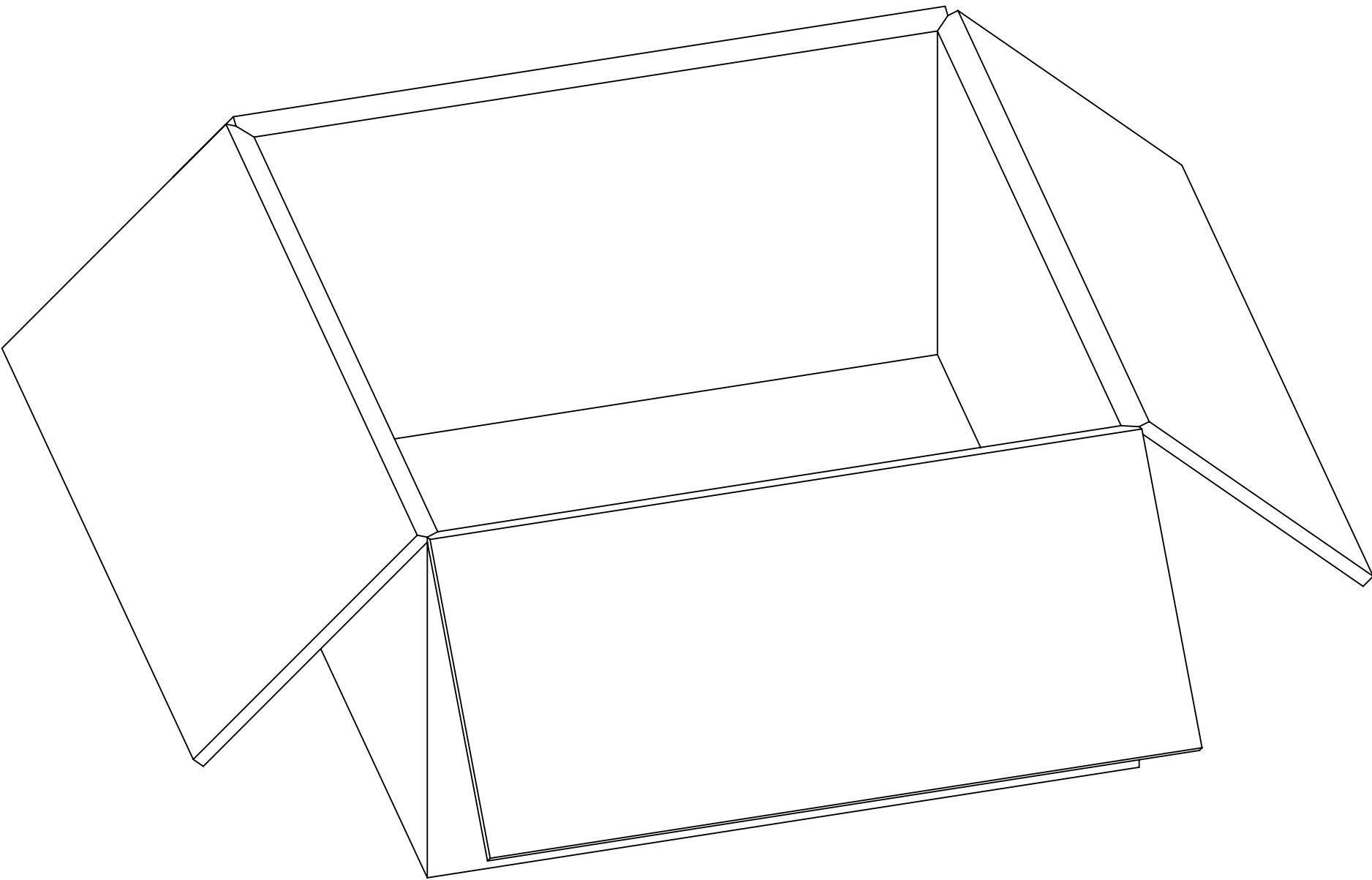
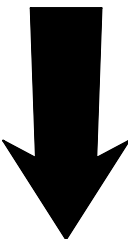
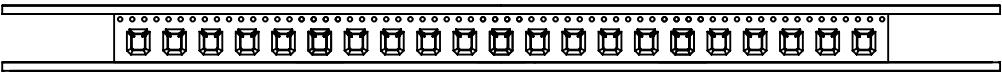
DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------

P/N: 73300-0081

1200 X 73300-0080 PER REEL
WITHOUT KAPTON TAPE
REEL P/N: 89707-0234

P/N: 73300-0082

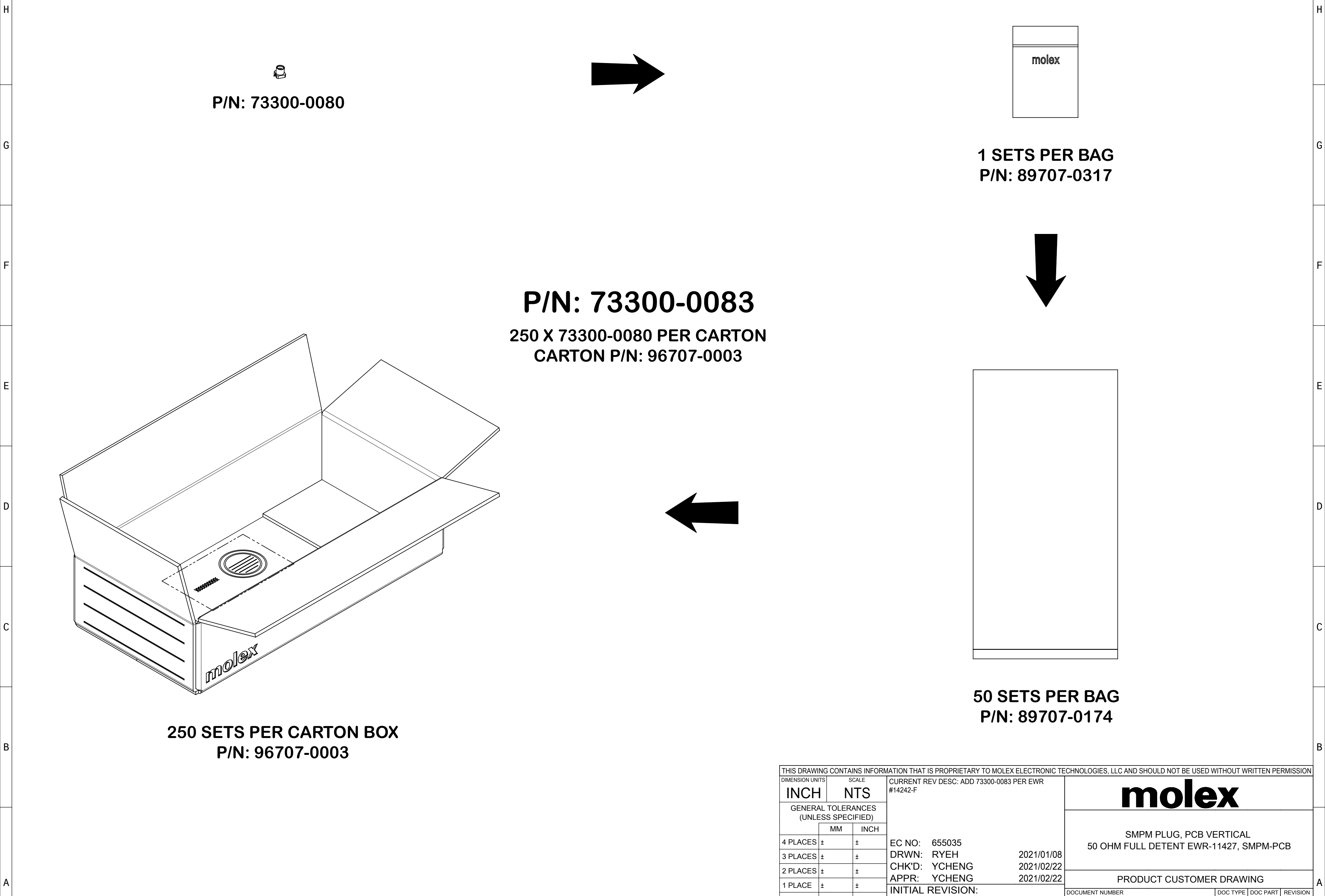
1200 X 73300-0080 PER REEL
WITH KAPTON TAPE
REEL P/N: 89707-0234

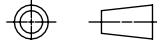


7 REELS PER CARTON
P/N: 89499-9031

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F				molex						
INCH/MM		NTS												
GENERAL TOLERANCES (UNLESS SPECIFIED)								SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB						
		MM	INCH											
4 PLACES	±		±	EC NO: 655035 DRWN: RYEH 2021/01/08 CHK'D: YCHENG 2021/02/22 APPR: YCHENG 2021/02/22										
3 PLACES	±		±											
2 PLACES	±		±											
1 PLACE	±		±											
0 PLACES	±		±											
ANGULAR TOL ± °				INITIAL REVISION:				PRODUCT CUSTOMER DRAWING						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
						C-SIZE		73300		SD-73300-008		PSD	001	B5
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
								733000080				6 OF 7		

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 73300-0083 PER EWR #14242-F			molex					
INCH		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)				SMPM PLUG, PCB VERTICAL 50 OHM FULL DETENT EWR-11427, SMPM-PCB								
										MM		INCH
4 PLACES		±	±							EC NO: 655035 DRWN: RYEH 2021/01/08 CHK'D: YCHENG 2021/02/22 APPR: YCHENG 2021/02/22		
3 PLACES		±	±									
2 PLACES		±	±									
1 PLACE		±	±									
0 PLACES		±	±									
ANGULAR TOL ± °				INITIAL REVISION: DRWN: JLEE 2010/10/29 APPR: JWIENER 2010/11/18			DOCUMENT NUMBER SD-73300-008			DOC TYPE PSD	DOC PART 001	REVISION B5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE						

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/22	08:33:36
-----------------	----	--------------	------------	----------