

MATERIALS AND FINISHES:

SEE PSD-85305-0232

73415-6183	85305-0232, TAPE AND REEL WITH KAPTON TAPE	1K PER REEL	1K PER CARTON
73415-6182	85305-0232, TAPE AND REEL	1K PER REEL	1K PER CARTON
73415-6181	85305-0232, TAPE AND REEL WITH KAPTON TAPE	1K PER REEL	7K PER CARTON
73415-6180	85305-0232, ONE PER BAG	ONE PER BAG	500 PER CARTON
PART NO.	PACKAGING	QUANTITY	

A4	2019/11/26	ADD -6183 PER EWR #13478-A
REV	DATE	DESCRIPTION

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)

ANGULAR TOL ± 2.0 °

4 PLACES ±

3 PLACES ±

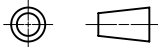
2 PLACES ± 0.25

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



DRAWING

C-SIZE

SERIES

73415

CURRENT REV DESC:

EC NO: 628191
DRWN: RYEH 2019/11/26
CHK'D: YCHENG 2019/12/06
APPR: YCHENG 2019/12/06

INITIAL REVISION:
DRWN: SSHAH 2007/05/11
APPR: JWIENER 2007/05/11

molex

SMP, PLUG SMT
LIMITED DETENT SMP-P/PCB

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-73415-618

DOC TYPE

PSD

DOC PART

001

REVISION

A4

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

12

11

10

9

8

7

6

5

4

3

2

1

MATERIALS AND FINISHES:

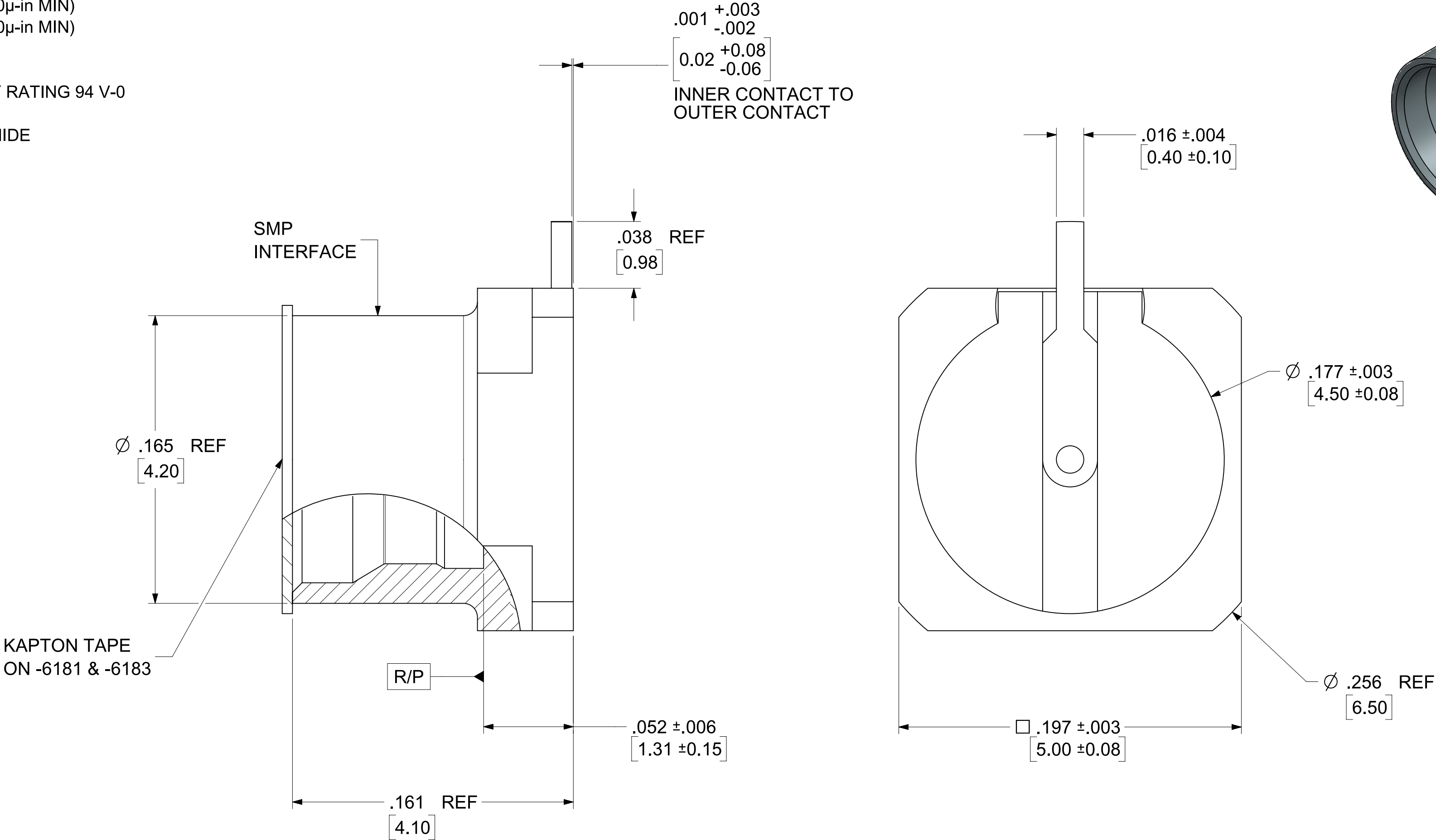
INNER & OUTER CONTACT: BRASS
PLATED: GOLD (30μ-in MIN)
OVER NICKEL (100μ-in MIN)

INSULATOR: LCP
UL FLAMMABILITY RATING 94 V-0

KAPTON: POLYAMIDE
COLOR: AMBER

TAPE: SHEET 3

REEL: SHEET 4



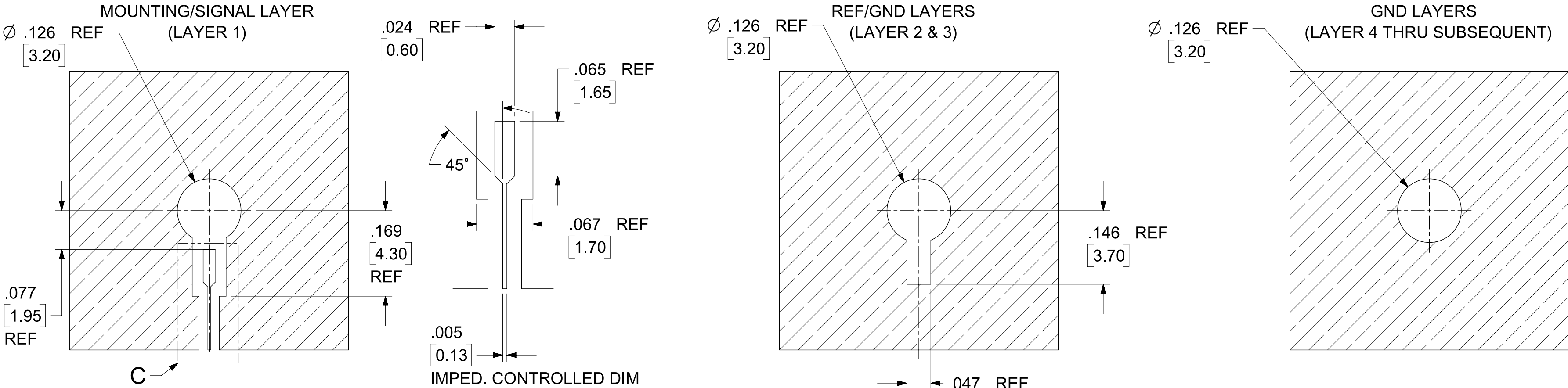
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85305-0232	TAPE AND REEL	1K PER REEL	7K PER CARTON
PART NO.	PACKAGING	QUANTITY	

PS-89675-3320	PRODUCT SPECIFICATION
MIL-STD-248, FIG 326-3	INTERFACE, SMP, LIMITED DETENT
SPECIFICATION	DESCRIPTION

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD SQ TO SOLDERMASK SIZE .205" [5.20] PER EWR 11818-E			molex SMP, PLUG SMT LIMITED DETENT SMP-P/PCB, EWR-11818				
INCH/MM		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Ricky Yeh CHK'D: Kerrie Chen APPR: Darry Cheng						PRODUCT CUSTOMER DRAWING	
		MM	INCH								
4 PLACES	±		±	2024-09-11			DOCUMENT NUMBER SD-85305-0232				
3 PLACES	±		± 0.0050	2024-10-15							
2 PLACES	±	0.130	± 0.010	2024-10-16							
1 PLACE	±	0.25	±	INITIAL REVISION: DRWN: RFC_PLMIMP 2018-01-19			DOC TYPE		DOC PART	REVISION	
0 PLACES	±		±				PSD		001	B19	
ANGULAR TOL ± 2°				APPR:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE	SERIES 85305	MATERIAL NUMBER SEE TABLE		CUSTOMER	SHEET NUMBER 1 OF 5

PCB CONNECTOR LAUNCH / PAD (FOR REFERENCE ONLY)

ALL HATCHED SURFACES SHOWN BELOW ARE COPPER (Cu)

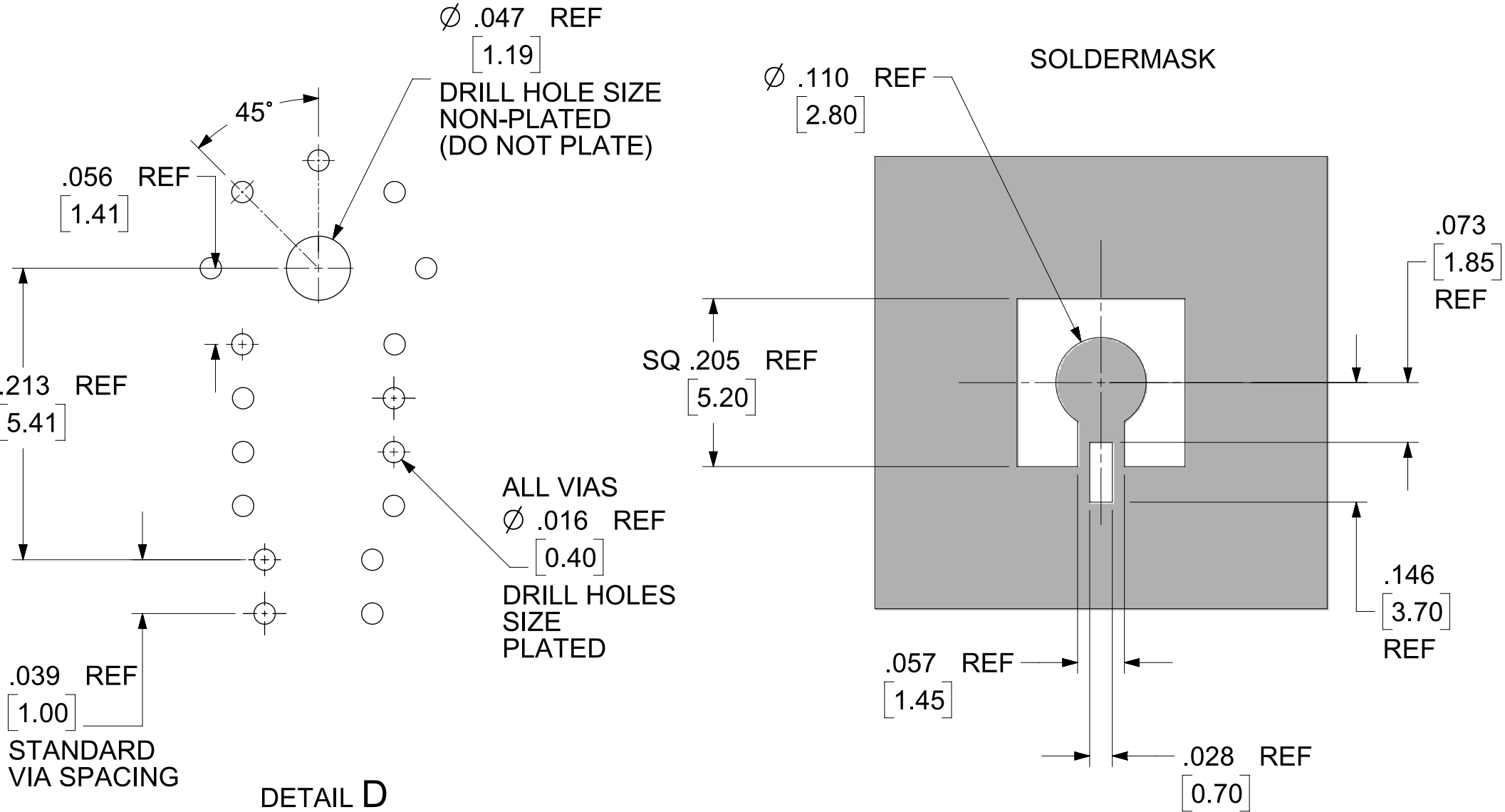
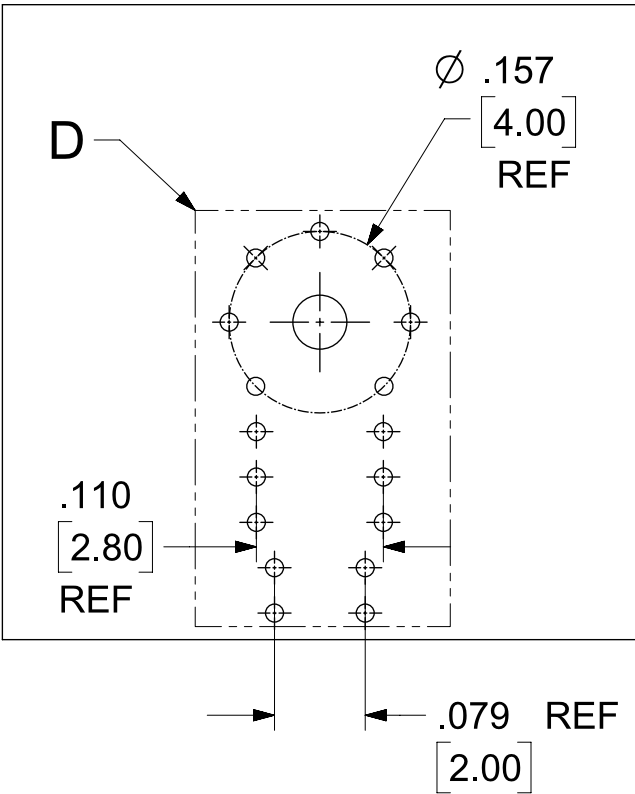


PCB STACK UP

LAYER	MATERIAL	Dk	THICKNESS (MM)
1	1/2 oz. Cu + PLATING		0.0434
	ISOLA FR408	3.67	0.07
2	1/2 oz. Cu		0.018
	ISOLA FR408	3.67	0.1464
3	1/2 oz. Cu		0.018
	ISOLA FR408	3.67	0.6784
4*	1/2 oz. Cu		0.018

* SUBSEQUENT LAYERS MAY BE ADDED AS REQUIRED FOR INDIVIDUAL APPLICATIONS

VIAS AND THRU HOLES

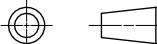


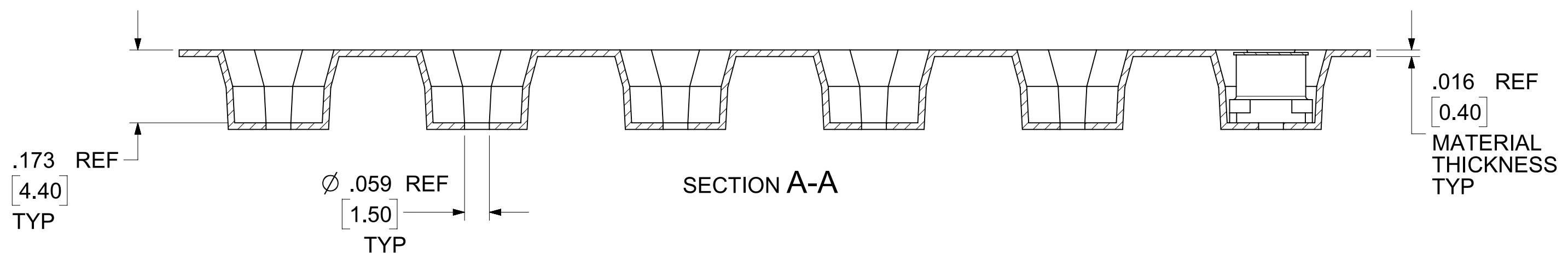
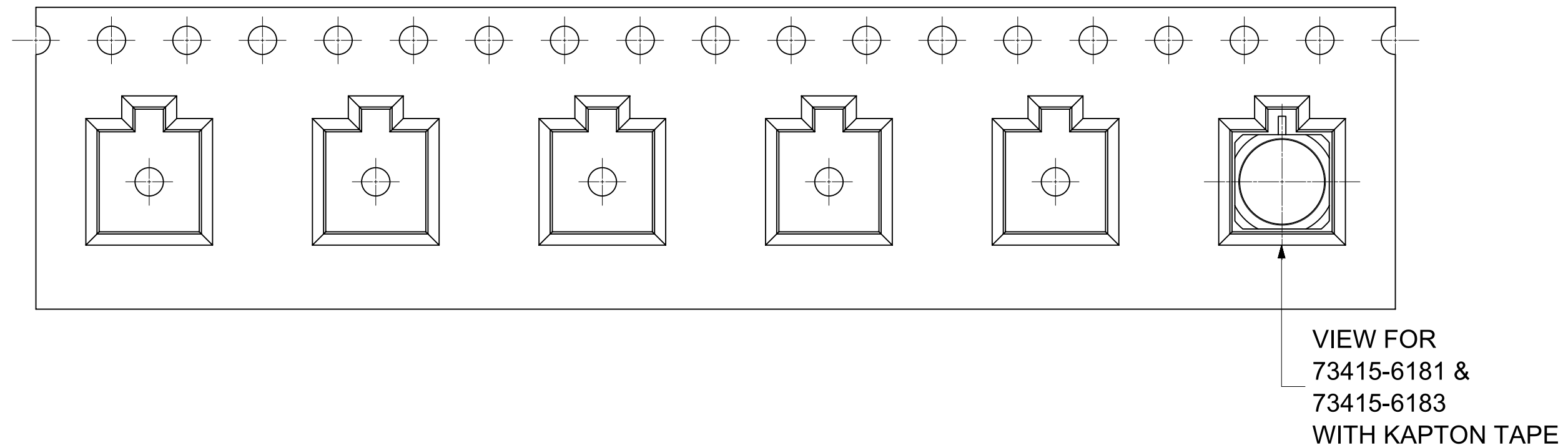
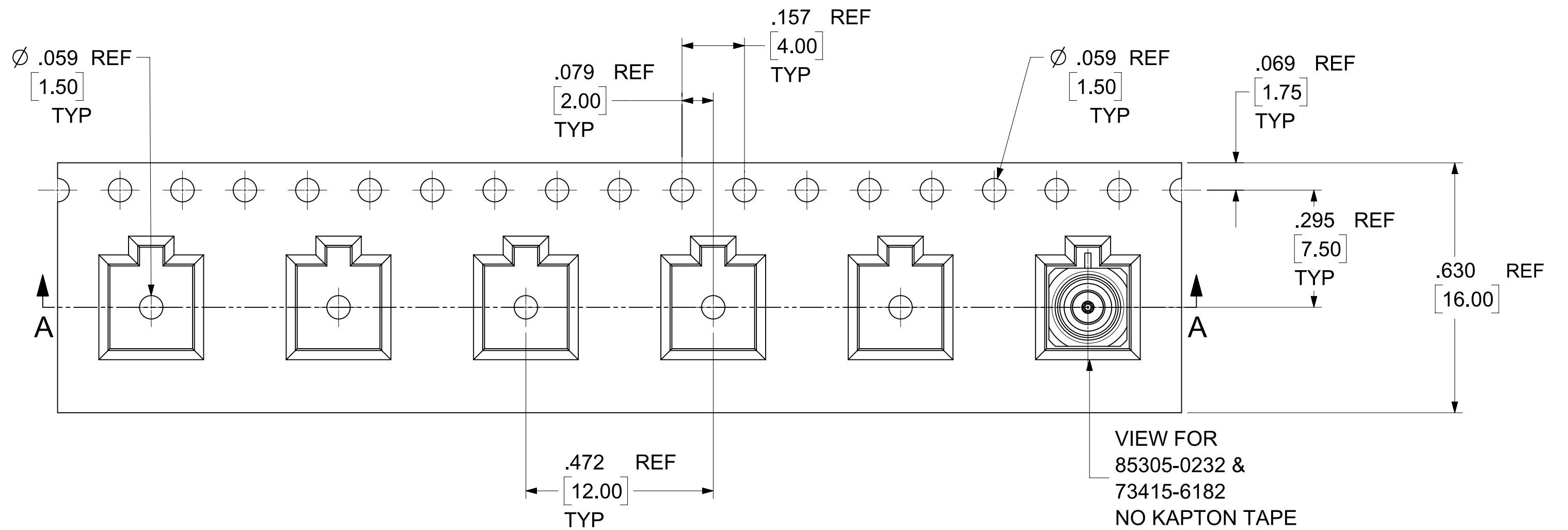
TYPICAL PERFORMANCE CHARACTERISTICS WITH CONNECTOR AND PCB LAUNCH SHOWN

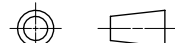
Typical Return Loss	FREQUENCY BAND
20dB	DC TO 18GHz

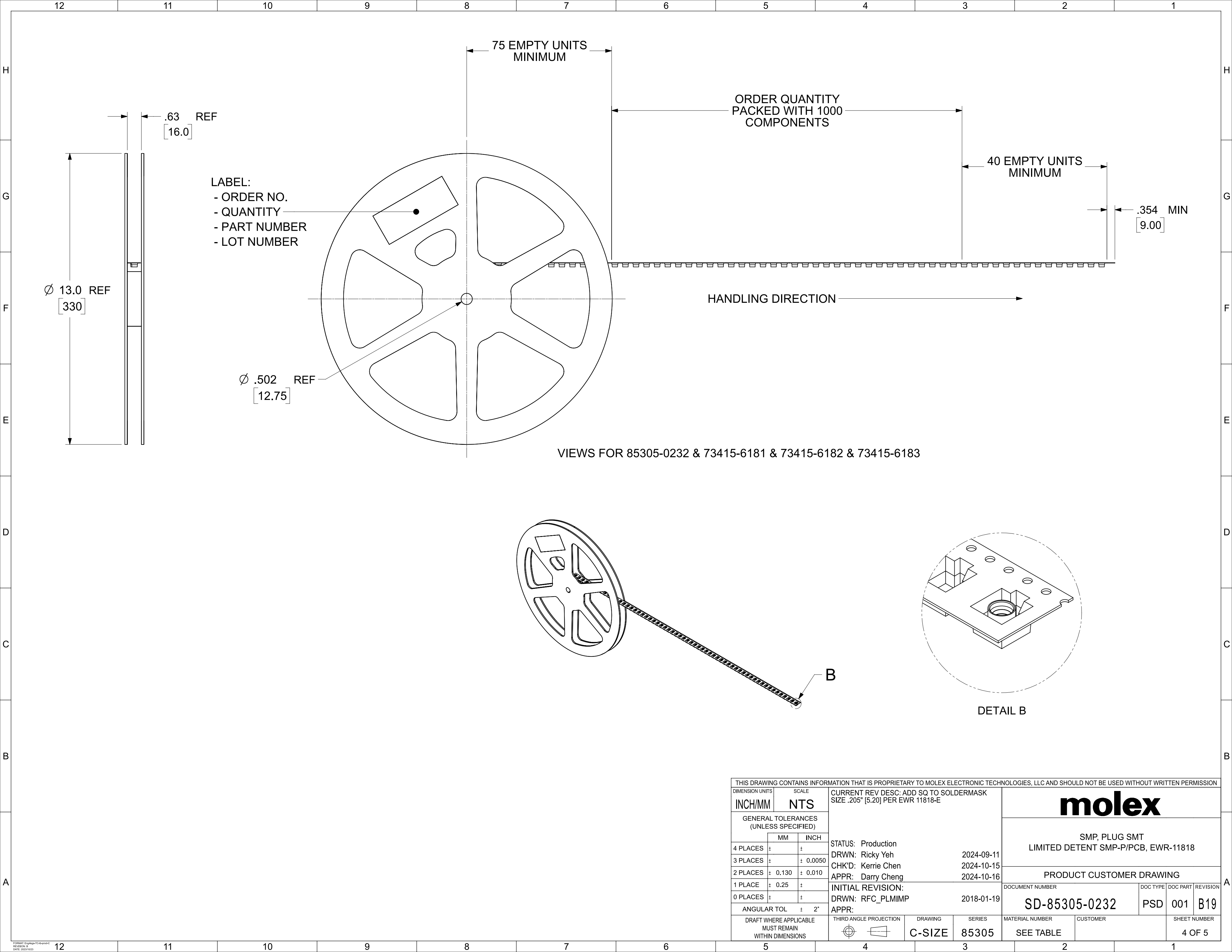
VARYING PCB STACKUPS AND PCB LAUNCH WILL RESULT IN VARYING RESULTS

CONTACT MOLEX RF / MICROWAVE FOR APPLICATION SPECIFIC ASSISTANCE

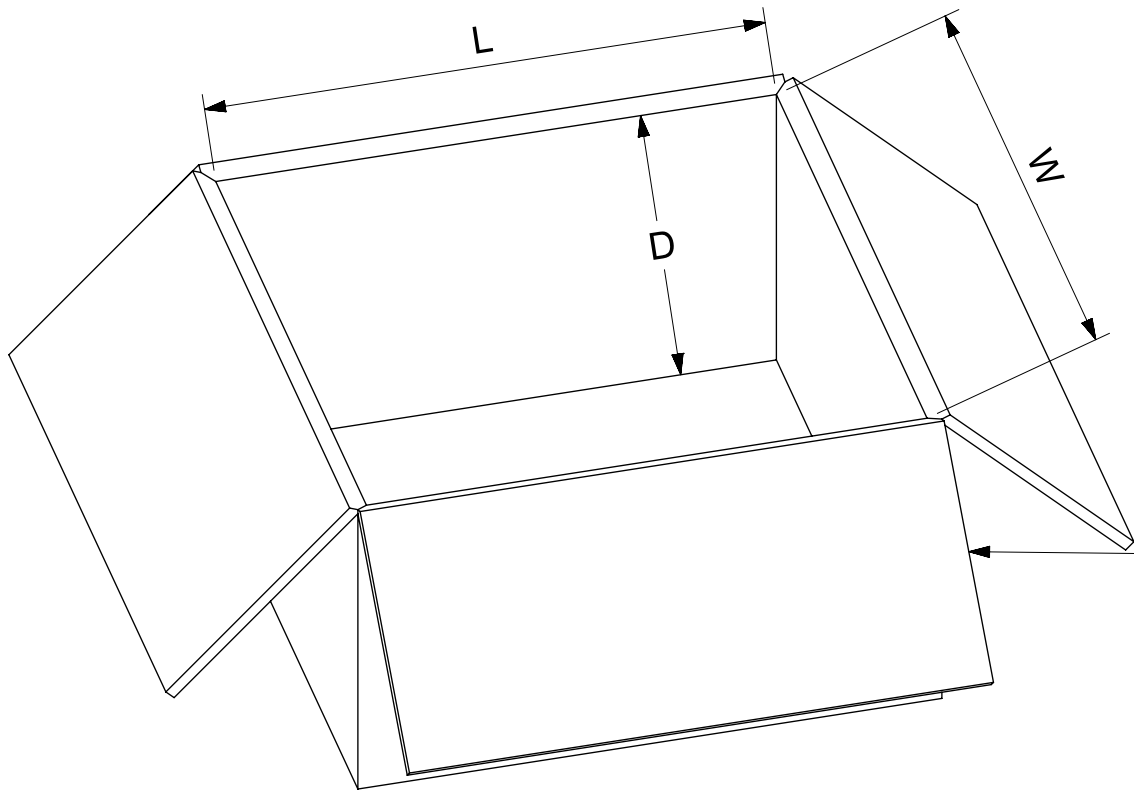
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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD SQ TO SOLDERMASK SIZE .205" [5.20] PER EWR 11818-E				molex			
INCH/MM		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Ricky Yeh 2024-09-11 CHK'D: Kerrie Chen 2024-10-15 APPR: Darry Cheng 2024-10-16				SMP, PLUG SMT LIMITED DETENT SMP-P/PCB, EWR-11818			
4 PLACES		±	MM	±	INCH		PRODUCT CUSTOMER DRAWING				
3 PLACES		±		± 0.0050							
2 PLACES		±	0.130	±	0.010		DOCUMENT NUMBER SD-85305-0232				
1 PLACE		±	0.25	±		DOC TYPE PSD					
0 PLACES		±								DOC PART 001	
ANGULAR TOL		±	2°		REVISION B19						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION					DRAWING C-SIZE		SERIES 85305
											
								CUSTOMER		SHEET NUMBER 2 OF 5	



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INCH/MM		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
	MM		INCH												
4 PLACES		±	±												
3 PLACES		±	± 0.0050		STATUS: Production DRWN: Ricky Yeh CHK'D: Kerrie Chen APPR: Darry Cheng				2024-09-11 2024-10-15 2024-10-16						
2 PLACES		± 0.130	± 0.010												
1 PLACE		± 0.25	±												
0 PLACES		±	±		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:				2018-01-19						
ANGULAR TOL ± 2°															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		85305		SEE TABLE				3 OF 5	

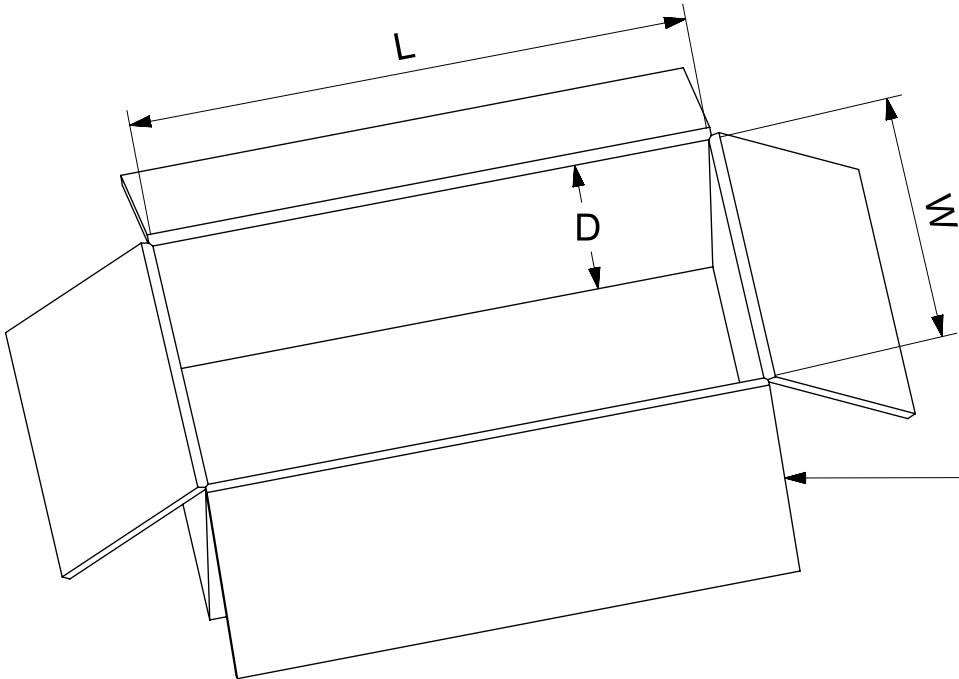


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4 PLACES		±		±	PRODUCT CUSTOMER DRAWING								
3 PLACES		±		± 0.0050									
2 PLACES		±	0.130	± 0.010	DOCUMENT NUMBER SD-85305-0232								
1 PLACE		±	0.25	±							DOC TYPE PSD		DOC PART 001
0 PLACES		±		±	INITIAL REVISION: DRWN: RFC_PLMIMP 2018-01-19 APPR:		SHEET NUMBER 4 OF 5						
ANGULAR TOL		±	2°										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE	SERIES 85305	MATERIAL NUMBER SEE TABLE		CUSTOMER			



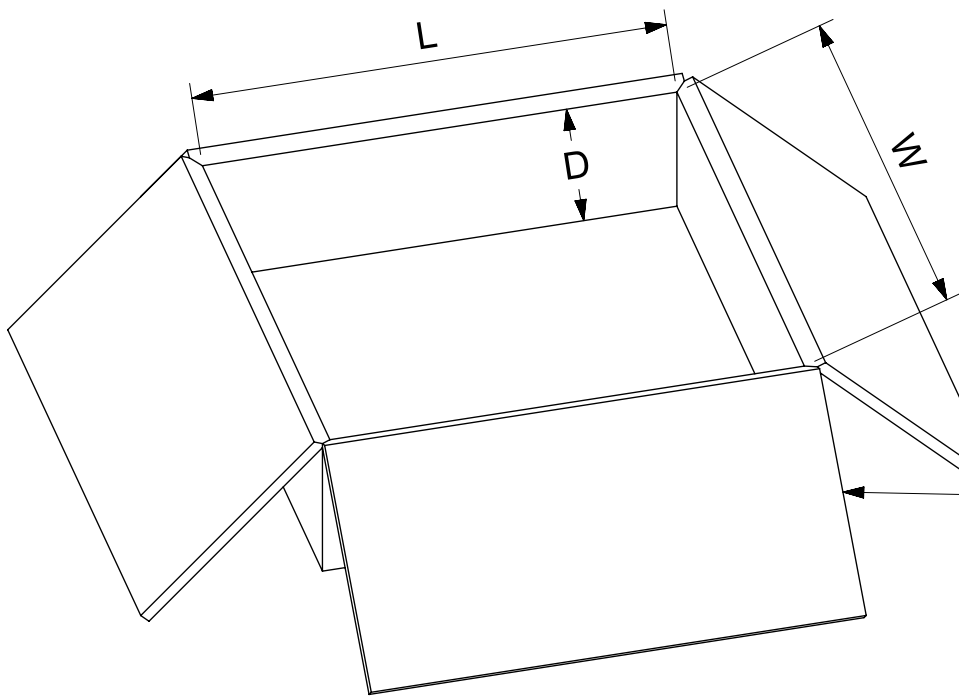
1K PCS PER REEL
7 REELS PER CARTON
7 X 1000 = 7K PCS
MAXIMUM OUTSIDE SIZE (mm):
L=393.94
W=390.92
D=211.89

VIEW FOR 85305-0232 & 73415-6181



1 PC PER BAG
500 PCS PER CARTON
MAXIMUM OUTSIDE SIZE (mm):
L=571.94
W=183.94
D=191.87

VIEW FOR 73415-6180



1K PCS PER REEL
1 REEL PER CARTON
1 X 1000 = 1K PCS
MAXIMUM OUTSIDE SIZE (mm):
L=340
W=340
D=100

VIEW FOR 73415-6182 & 73415-6183

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73415-6182	85305-0232, TAPE AND REEL	1K PER REEL	1K PER CARTON
73415-6181	85305-0232, TAPE AND REEL WITH KAPTON TAPE	1K PER REEL	7K PER CARTON
73415-6180	85305-0232, ONE PER BAG	ONE PER BAG	500 PER CARTON
85305-0232	TAPE AND REEL	1K PER REEL	7K PER CARTON
PART NO.	PACKAGING	QUANTITY	

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INCH/MM	NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)								
	MM	INCH		STATUS: Production	2024-09-11			
4 PLACES	±		DRWN: Ricky Yeh	2024-10-15				
3 PLACES	±	± 0.0050	CHK'D: Kerrie Chen	2024-10-16				
2 PLACES	± 0.130	± 0.010	APPR: Darry Cheng					
1 PLACE	± 0.25	±	INITIAL REVISION:	2018-01-19				
0 PLACES	±	±	DRWN: RFC_PLMIMP					
ANGULAR TOL ± 2°			APPR:					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				C-SIZE	85305	SEE TABLE		5 OF 5

DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
SD-85305-0232			PSD	001	B19