

MATERIALS AND FINISHES:

BODY, JAM NUT: BRASS
FINISH: SEE TABLE

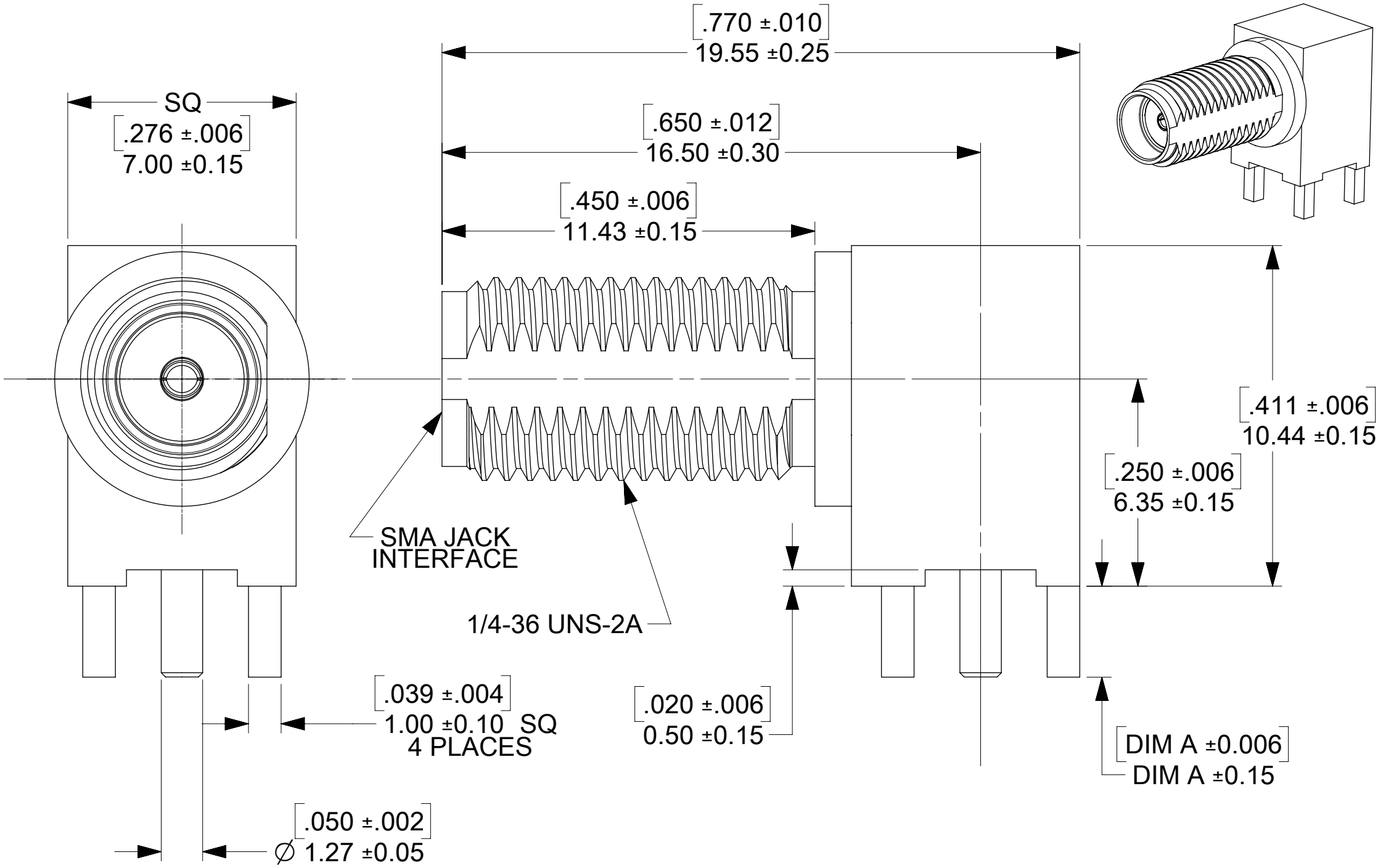
CENTER CONTACT: BERYLLIUM COPPER
PLATED GOLD

INSULATOR: TEFLON

LOCKWASHER: PHOSPHOR BRONZE
FINISH: SEE TABLE

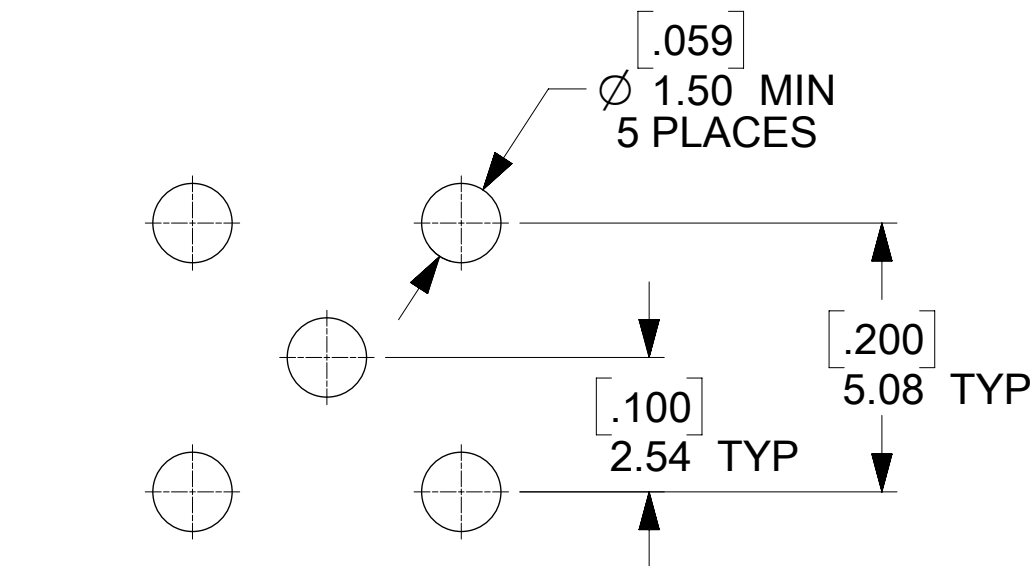
ELECTRICAL REQUIREMENTS:

1. VOLTAGE STANDING WAVE RATIO
1.1(MAX) @0-6GHz.
1.5(MAX) @6-12GHz.
1.8(MAX) @12-18GHz.
2. RF INSERTION LOSS:
0.1(MAX) @0-6GHz.
0.4(MAX) @6-12GHz.
0.7(MAX) @12-18GHz.

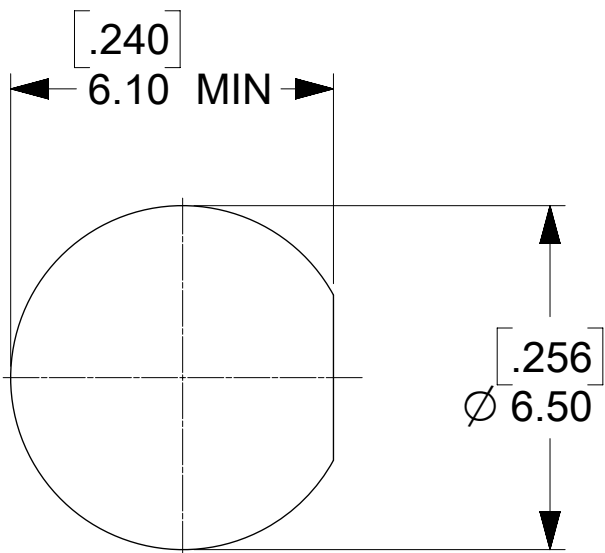


SEE SD-73251-496 FOR PART NO. CONTINUATION

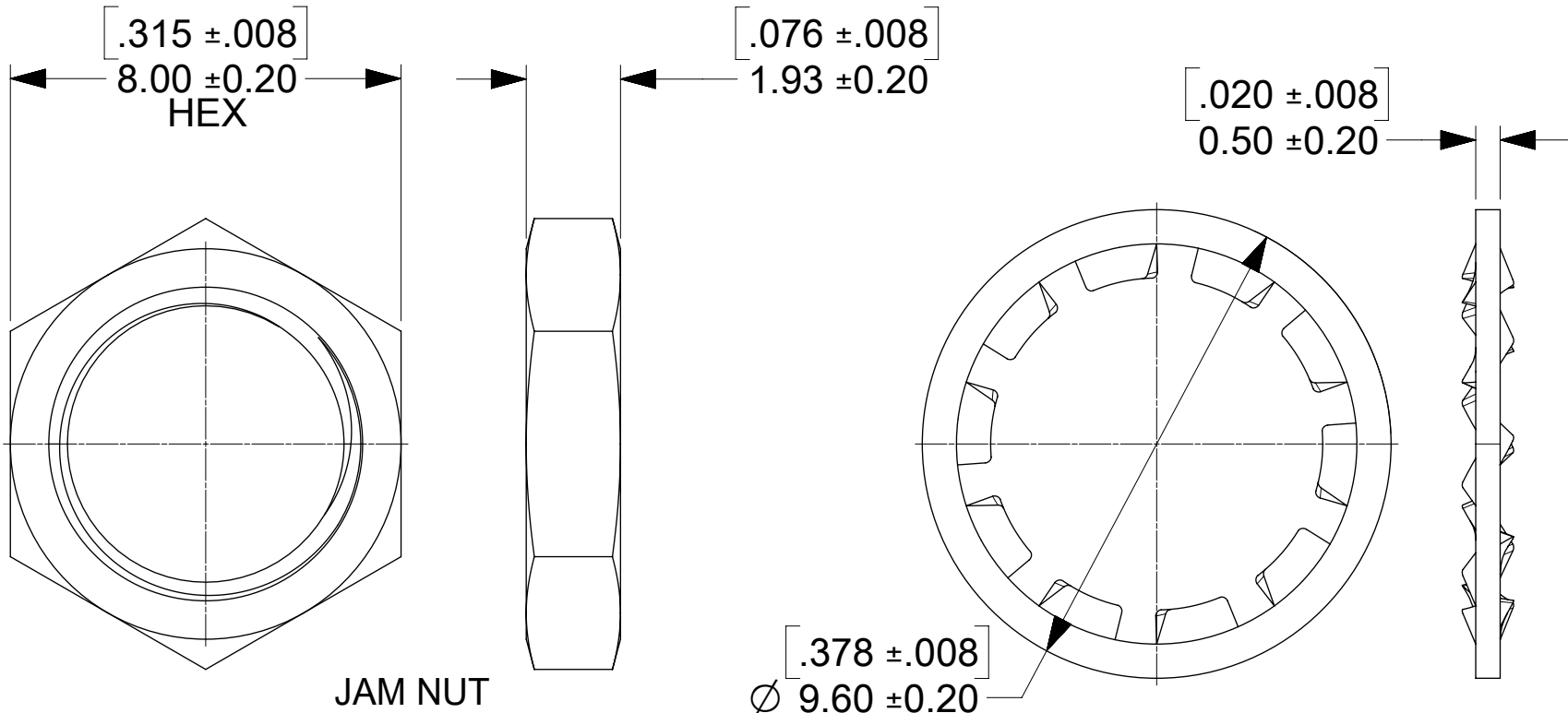
73251-2209	GOLD FLASH / STANDARD TRAY	3.94	.155
73251-2208	GOLD FLASH/STANDARD TRAY W/O WASHER AND NUT	3.94	.155
73251-2207	73251-2201 PACKAGED ONE PER BAG	2.79	.110
73251-2206	SAME AS 73251-2201 EXCEPT COMMERCIAL CONTACT	2.79	.110
73251-2205	SAME AS 73251-2200 EXCEPT COMMERCIAL CONTACT	2.79	.110
73251-2204	GOLD FLASH/STANDARD TRAY W/O WASHER AND NUT	2.79	.110
73251-2203	GOLD FLASH / STANDARD TRAY (54 CAVITY)	2.79	.110
73251-2202	73251-2201 PACKAGED IN SMALL TRAY (20 CAVITY)	2.79	.110
73251-2201	GOLD / STANDARD TRAY	2.79	.110
73251-2200	NICKEL / STANDARD TRAY	2.79	.110
PART NO.	PLATING (BODY, NUT, LOCKWASHER) AND PACKAGING	mm	IN
		DIM A	



RECOMMENDED PCB LAYOUT



RECOMMENDED PANEL CUTOUT



JAM NUT

LOCKWASHER

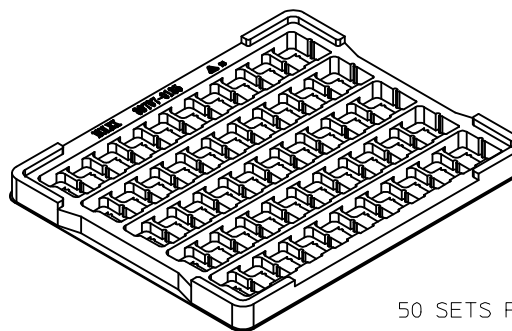
PS-89675-368	SOLDER SPEC PROFILE
PS-89675-346	ELECTRO/MECH PERFORM.
SPECIFICATION	DESCRIPTION

FUNCTIONAL SYMBOLS	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 SOLDER SPEC NO. PER EWR14716-B			molex					
	mm		NTS										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
F_A = 0	ANGULAR TOL				±	°	SMA JACK, R/A PCB 50 OHM SMA-J/RA/PCB EWR-2144						
F_C = 0	4 PLACES		±										
F_P = 0	3 PLACES		±										
DIVISIONAL SYMBOLS	2 PLACES		±			PRODUCT CUSTOMER DRAWING							
	1 PLACE		±			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
	0 PLACES		±			SD-73251-220		PSD	000	D14			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
					C-SIZE		73251		SEE TABLE		GENERAL MARKET		1 OF 1

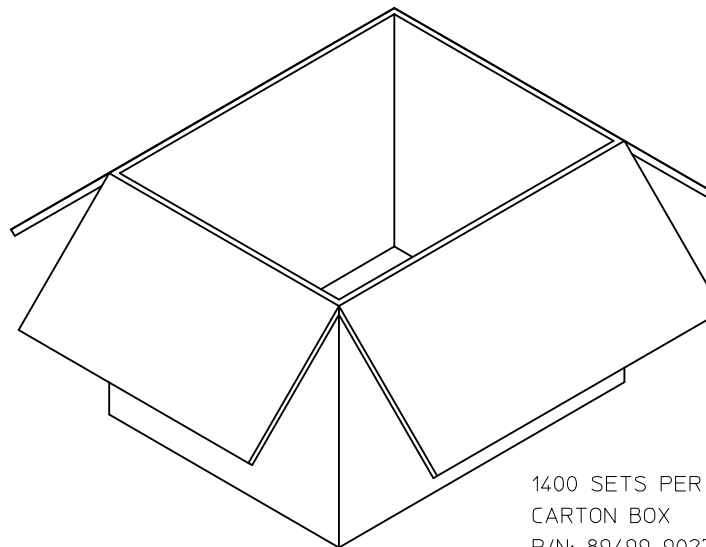
DOCUMENT STATUS	P1	RELEASE DATE	2021/08/26	10:31:44
-----------------	----	--------------	------------	----------



P/N: 73251-2200 / 73251-2201
73251-2205 / 73251-2206
73251-2208 / 73251-2209



50 SETS PER TRAY
TRAY P/N: 89707-0185



1400 SETS PER OUTER
CARTON BOX
P/N: 89499-9027

FOR 73251-2200, 73251-2201,
73251-2205, 73251-2206,
73251-2208, AND 73251-2209

CHG: NEW RELEASE
PER RF13-E131
EC NO: URF2013-0734
2013/06/28
DRWN: RYEH
CHKD: A
APPR: MHUANG
2013/07/26

QUALITY
SYMBOLS
=0
=0
=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0004
3 PLACES	± .005	± .0004
2 PLACES	± .005	± .0004
1 PLACE	± .005	± .0004
0 PLACE	± .005	± .0004

ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY	DATE
RYEH	2013/06/28
CHECKED BY	DATE
KERRIE	2013/06/28
APPROVED BY	DATE
MHUANG	2013/07/26

SEE TABLE

SCALE
2.5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
SMA JACK R/A PCB TH
50 OHMS
SMA-J/PCB
molex

DOCUMENT NO.
SD-73251-220-PKG

SHEET NO.
1 OF 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

13

12

11

10

9

8

7

6

5

4

3

2

1

J

I

H

G

F

E

D

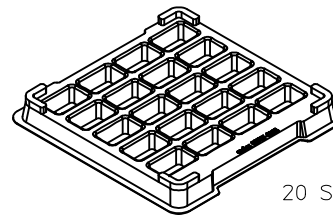
C

B

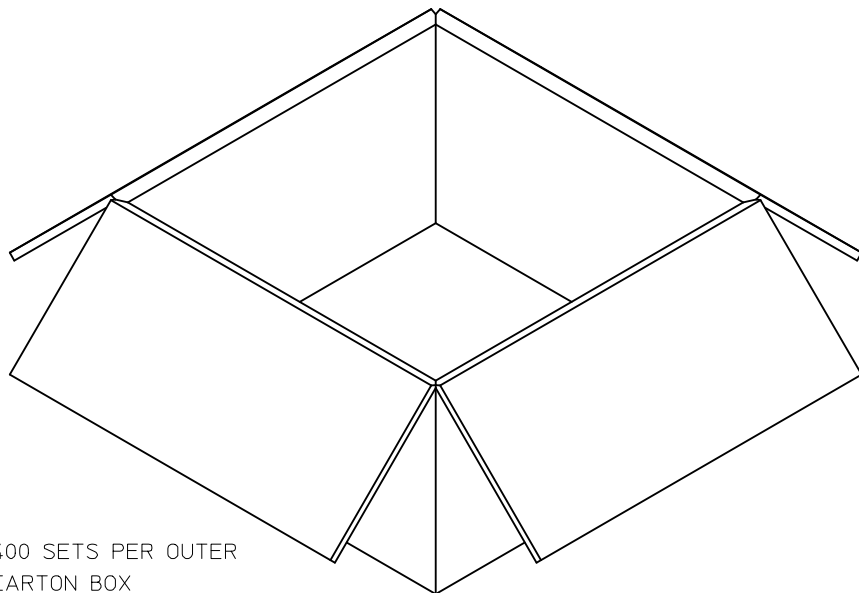
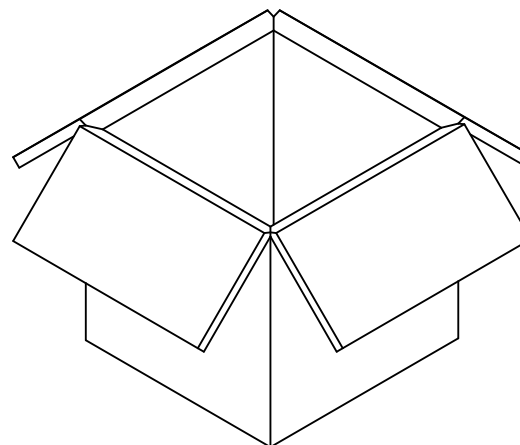
A



P/N: 73251-2202

20 SETS PER TRAY
TRAY P/N: 89707-0308

(FOR 73251-2202 ONLY)

400 SETS PER OUTER
CARTON BOX
P/N: 96707-0002200 SETS PER INNER
CARTON BOX
P/N: 96707-0005CHG:SEE SHEET 1
EC NO: URF2013-0734
2013/06/28
DRWN:RYEH
CHKD:
APPR:MHUANG
2013/07/26

REV	DESCRIPTION
A	

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ± 2 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
RYEH	2013/06/28
CHECKED BY	DATE
KERRIE	2013/06/28
APPROVED BY	DATE
MHUANG	2013/07/26

MATERIAL NO.	SEE TABLE
SIZE	C

SCALE	2:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
TITLE	
SMA JACK R/A PCB TH	
50 OHMS	
SMA-J/PCB	
molex	
DOCUMENT NO.	SD-73251-220-PKG
SHEET NO.	2 OF 4

12

11

10

9

8

7

6

5

4

3

2

1

13

12

11

10

9

8

7

6

5

4

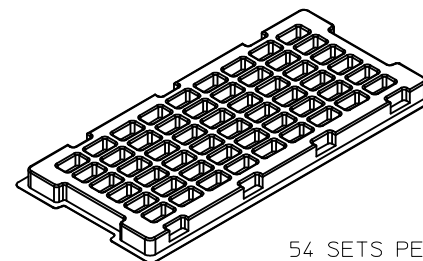
3

2

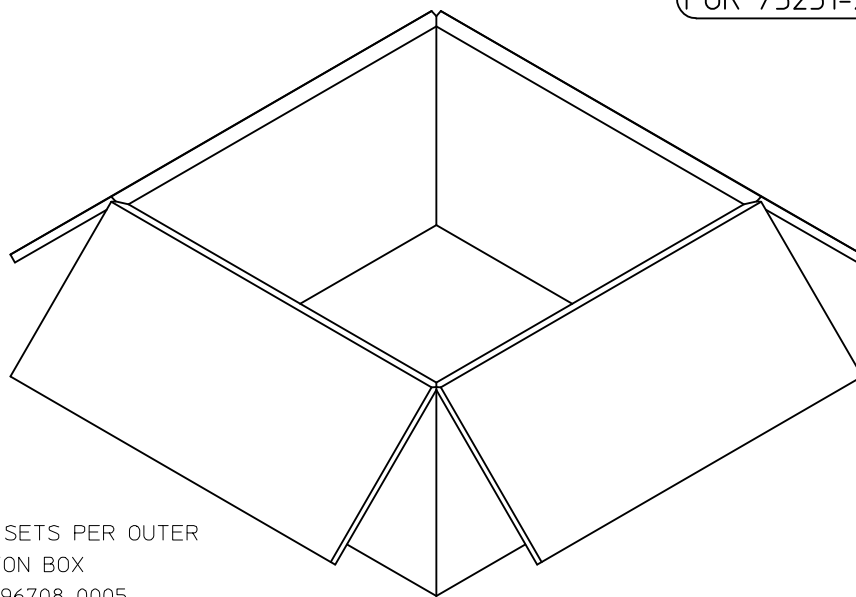
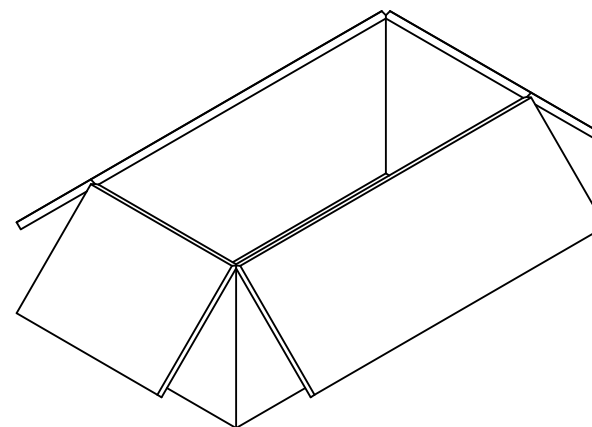
1



P/N: 73251-2203 / 73251-2204

54 SETS PER TRAY
TRAY P/N: 89707-0220

(FOR 73251-2203 AND 73251-2204)

1080 SETS PER OUTER
CARTON BOX
P/N: 96708-0005540 SETS PER INNER
CARTON BOX
P/N: 96707-0001CHG:SEE SHEET 1
EC NO: URF2013-0734
2013/06/28
DRAWN:RYEH
CHKD:
APPR:MHUANG
2013/07/26
REV
A

DESCRIPTION

QUALITY
SYMBOLS
▽=0
▽=0
▽=0GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
0 PLACE ± --- ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM/IN
DRAWN BY DATE
RYEH 2013/06/28
CHECKED BY DATE
KERRIE 2013/06/28
APPROVED BY DATE
MHUANG 2013/07/26
MATERIAL NO.
SEE TABLE
SIZE CSCALE
2:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
TITLE
SMA JACK R/A PCB TH
50 OHMS
SMA-J/PCB
molex
DOCUMENT NO.
SD-73251-220-PKG
SHEET NO.
3 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

12

11

10

9

8

7

6

5

4

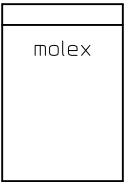
3

2

1

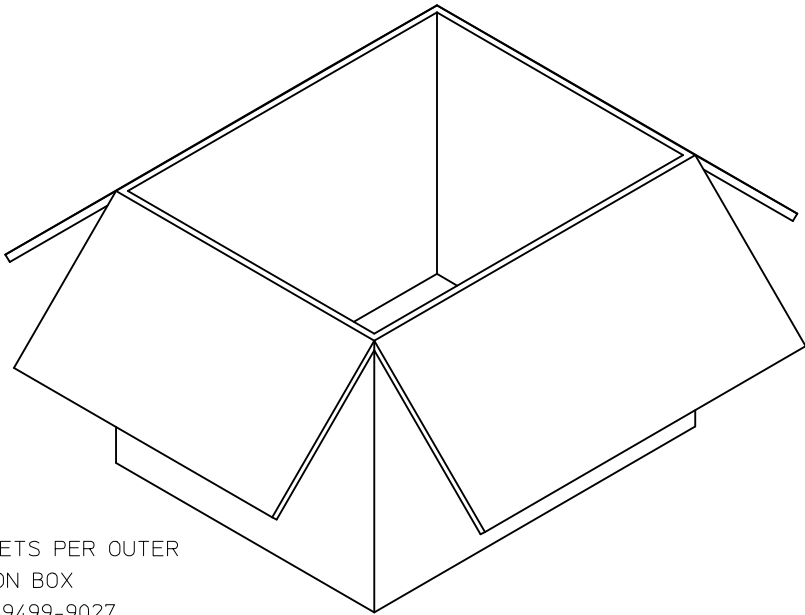


P/N: 73251-2207

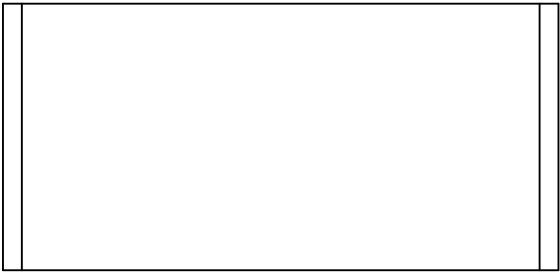


1 SET PER POLYBAG
P/N: 89707-0317

FOR 73251-2207 ONLY



500 SETS PER OUTER
CARTON BOX
P/N: 89499-9027



50 SETS PER POLYBAG
P/N: 89707-0174

CHG:SEE SHEET 1
EC NO: URF2013-0734
2013/06/28
DRWN:RYEH
CHKD:
APPR:MHUANG
2013/07/26

DESCRIPTION

REV	QUALITY SYMBOLS
	= 0
	= 0
	= 0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
	INCH
4 PLACES	± --- ± ---
3 PLACES	± --- ± ---
2 PLACES	± --- ± ---
1 PLACE	± --- ± ---
0 PLACE	± --- ± ---
ANGULAR ± 2 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
RYEH	2013/06/28
CHECKED BY	DATE
KERRIE	2013/06/28
APPROVED BY	DATE
MHUANG	2013/07/26
MATERIAL NO.	
SEE TABLE	
SIZE	
C	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE SMA JACK R/A PCB TH 50 OHMS SMA-J/PCB			
molex			
DOCUMENT NO. SD-73251-220-PKG			SHEET NO. 4 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX			

MATERIALS AND FINISHES:

BODY, JAM NUT: BRASS
FINISH: SEE TABLE

CENTER CONTACT: BERYLLIUM COPPER
PLATED GOLD

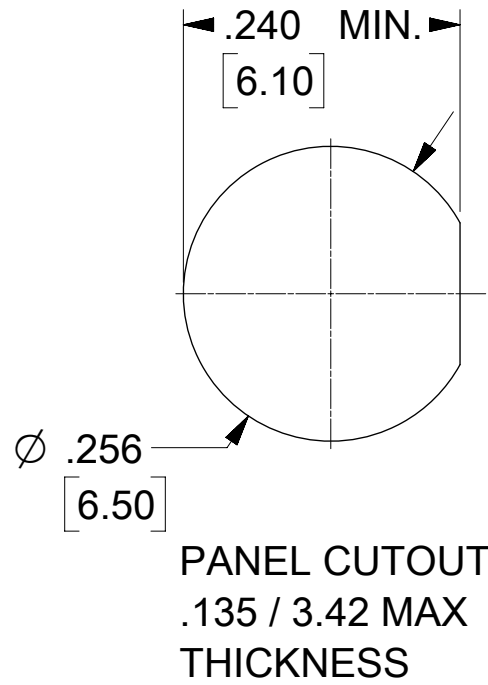
INSULATOR: TEFLON

LOCK WASHER: PHOSPHOR BRONZE
FINISH: SEE TABLE

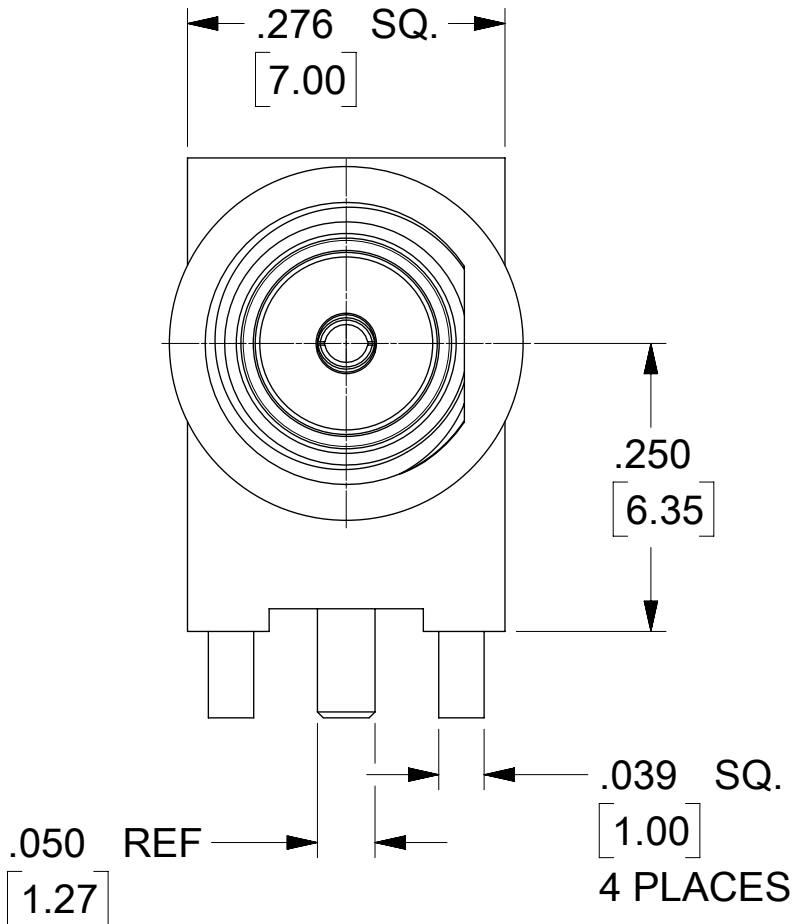
PACKAGING: SEE TABLE

ELECTRICAL REQUIREMENTS:

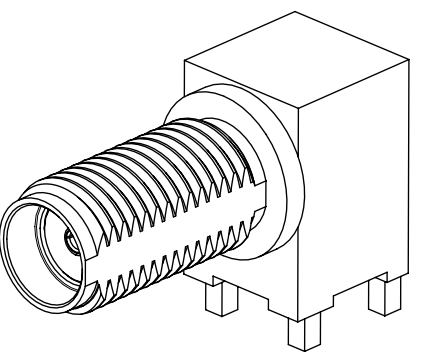
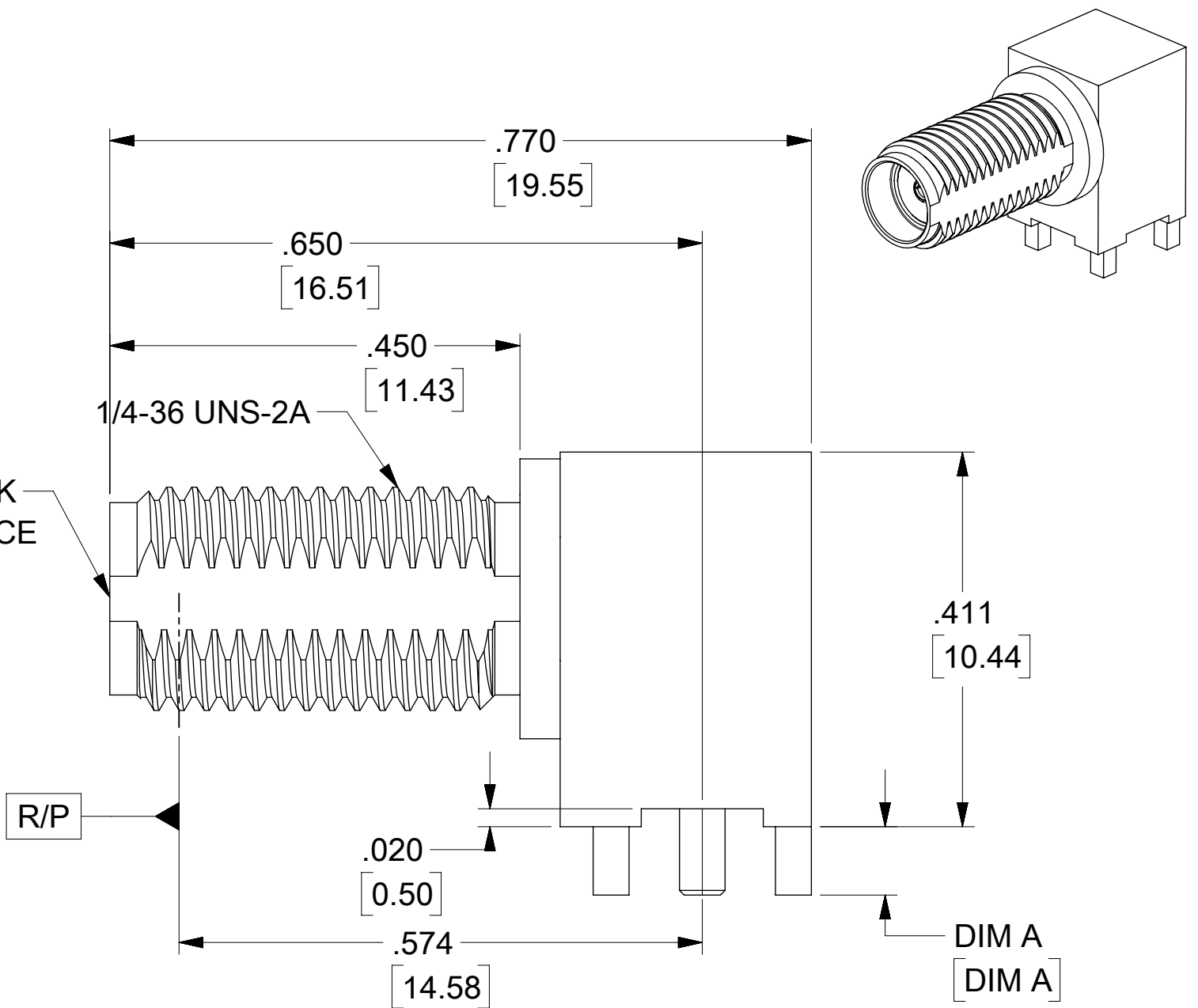
1. VOLTAGE STANDING WAVE RATIO
1.1(MAX) @0-6GHz.
1.5(MAX) @6-12GHz.
1.8(MAX) @12-18GHz.
2. RF INSERTION LOSS:
0.1(MAX) @0-6GHz.
0.4(MAX) @6-12GHz.
0.7(MAX) @12-18GHz.



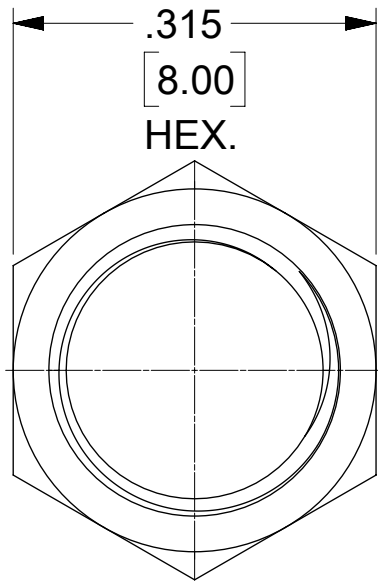
PANEL CUTOUT
.135 / 3.42 MAX
THICKNESS



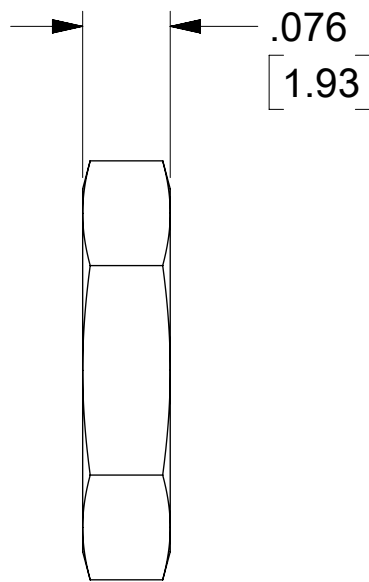
SMA JACK
INTERFACE



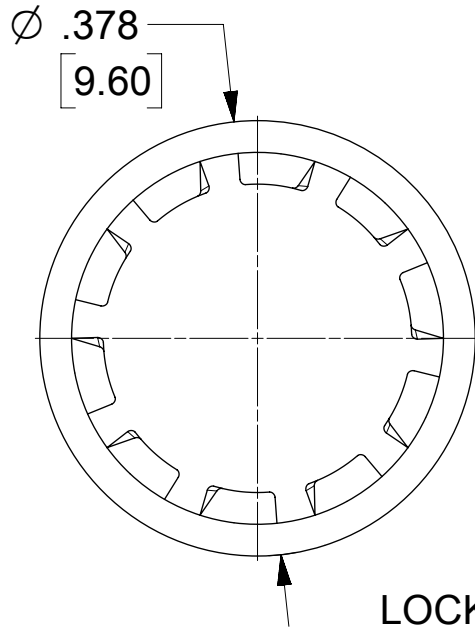
73251-4967	73251-2201 TAPE AND REEL
73251-4966	BAG
73251-4965	TRAY
73251-4964	
73251-4963	
73251-4962	
73251-4961	
73251-4960	
PART NO.	PACKAGING



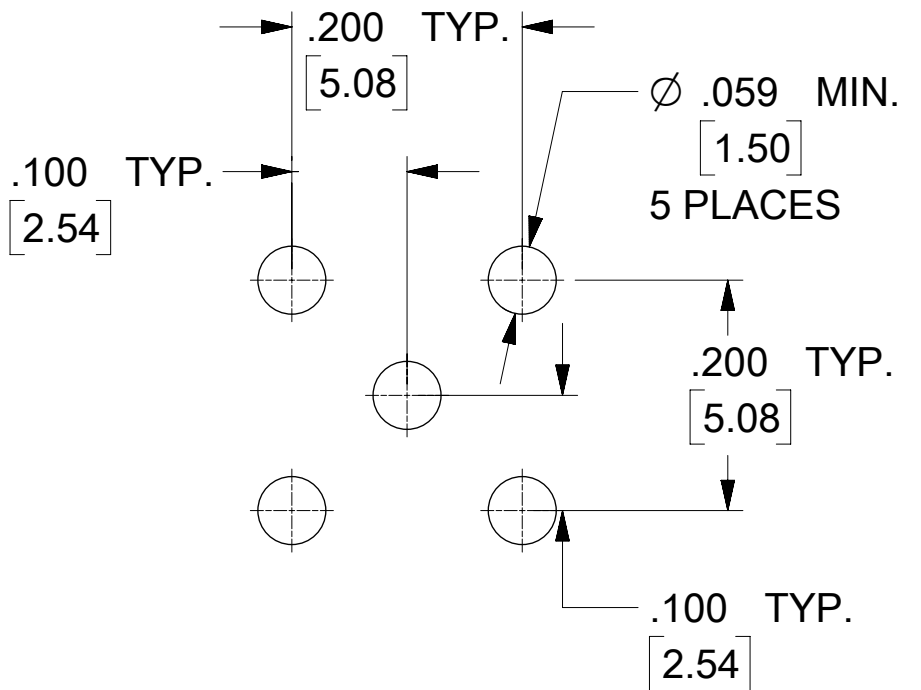
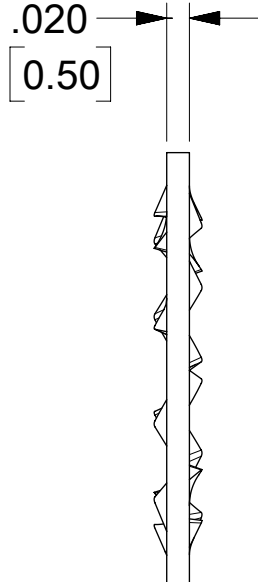
HEX.



JAM NUT



LOCK WASHER



RECOMMENDED PCB LAYOUT

SD-73251-496 IS CONTINUATION FOR SD-73251-220

73251-4967	1	1	.110 / 2.79	GOLD (5μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)
73251-4966	1	1	.110 / 2.79	NICKEL (100μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	NICKEL (100μ-in MIN)
73251-4965	2	1	.110 / 2.79	GOLD (5μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)
73251-4964	1	1	.075 / 1.91	GOLD (5μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)
73251-4963	NOT INCLUDED	NOT INCLUDED	.110 / 2.79	GOLD (5μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	-----
73251-4962	1	NOT INCLUDED	.110 / 2.79	NICKEL (100μ-in MIN)	GOLD (30μ-in MIN) OVER NICKEL(100μ-in MIN)	NICKEL (100μ-in MIN)
73251-4961	2	1	.155 / 3.94	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)
73251-4960	1	1	.075 / 1.91	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)	GOLD (1μ-in MIN) OVER NICKEL (50μ-in MIN)
PART NO.	JAM NUT QTY	WASHER QTY	IN / MM	BODY	CONTACT	JAM NUT & LOCK WASHER
	INCLUDED	INCLUDED	DIM A	PLATING	PLATING	PLATING

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/10	08:51:15
-----------------	----	--------------	------------	----------

PS-89675-3460	PRODUCT SPECIFICATION
MIL-STD-348A, FIG. 310.2	INTERFACE
SPECIFICATION	DESCRIPTION

FUNCTIONAL SYMBOLS	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 P/N 73251-4967 FOR TR PACKAGING PER EWR14716-C			molex							
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							SMA JACK RA							
F_A = 0					EC NO: 737836 DRWN: CWEI02 2023/02/03 CHK'D: YCHENG 2023/02/10 APPR: YCHENG 2023/02/10			BLKHD RM PCB TH SMA-J/RA/PCB, EWR-2144							
F_E = 0	ANGULAR TOL		± °												
F_P = 0	4 PLACES		±												
DIVISIONAL SYMBOLS	3 PLACES		±		INITIAL REVISION: DRWN: AROBERTSON 2012/11/21 APPR: JWIENER 2012/11/27			PRODUCT CUSTOMER DRAWING							
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				C-SIZE		73251		SD-73251-496		PSD		000		B10	
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
								SEE TABLE		GENERAL MARKET		1 OF 6			

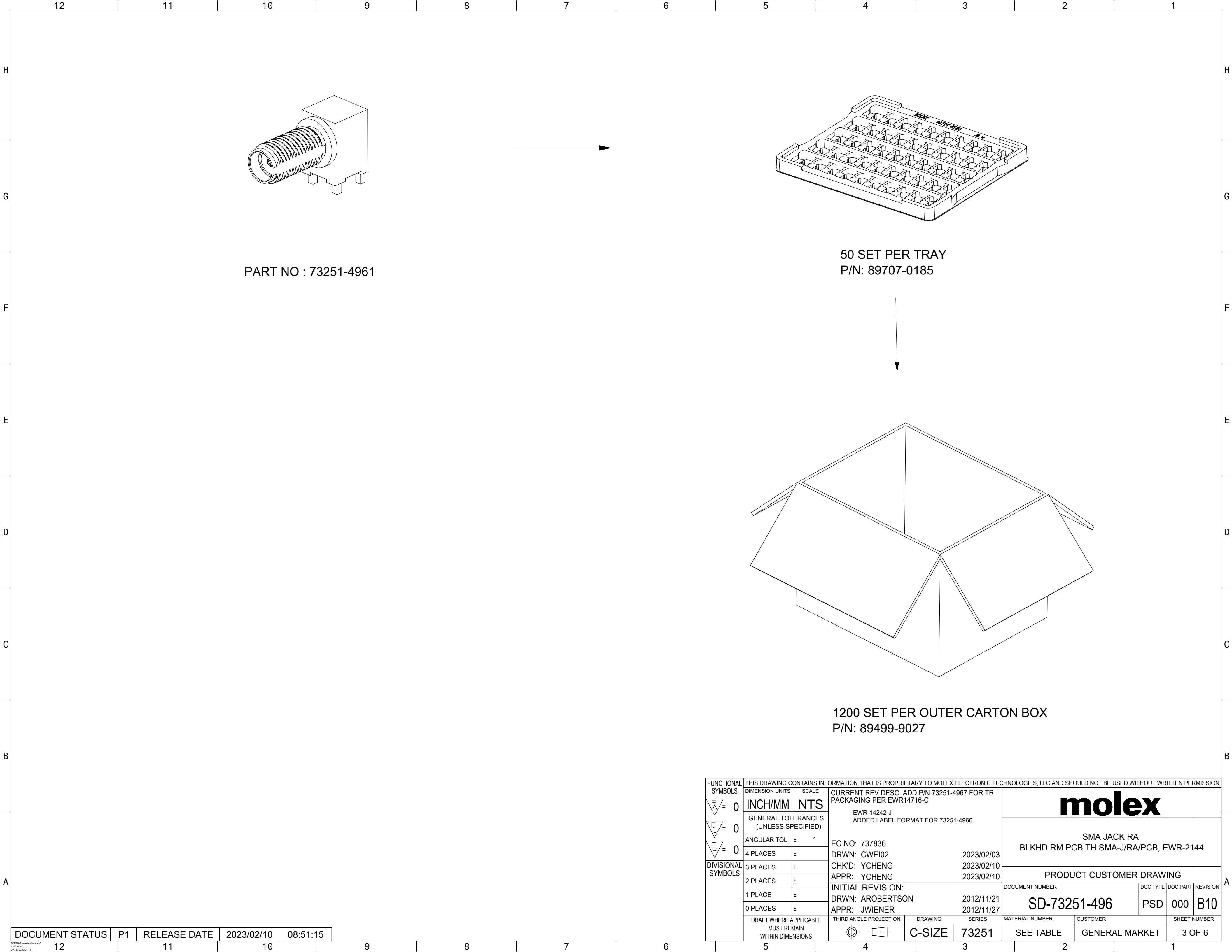
molex

SMA JACK RA
BLKHD RM PCB TH SMA-J/RA/PCB, EWR-2144

PRODUCT CUSTOMER DRAWING

SD-73251-496

PSD 000 B10



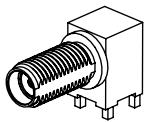
PART NO : 73251-4961

50 SET PER TRAY
P/N: 89707-0185

1200 SET PER OUTER CARTON BOX
P/N: 89499-9027

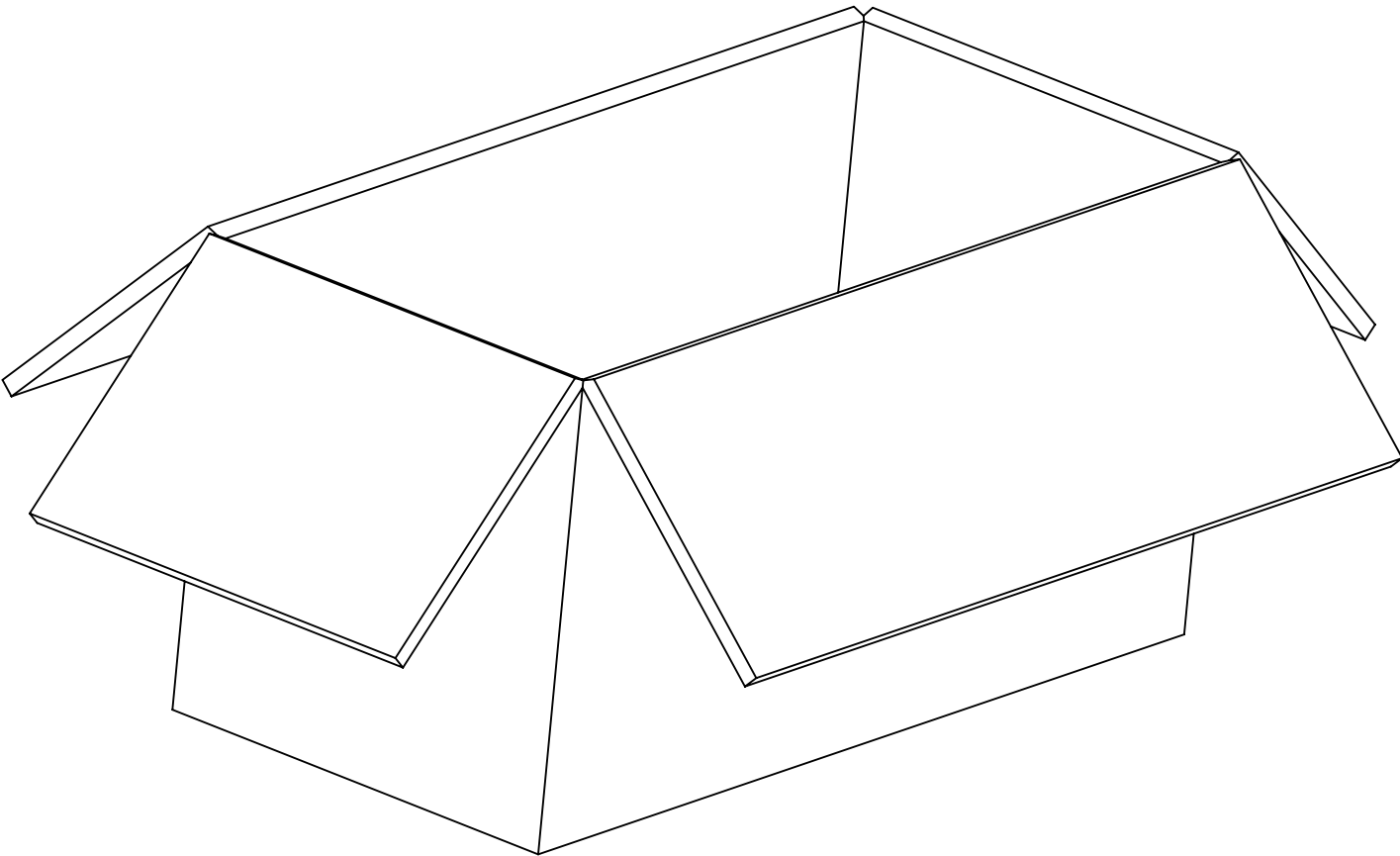
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADD P/N 73251-4967 FOR TR PACKAGING PER EWR14716-C							
$\frac{F}{A} = 0$	INCH/MM	NTS	EWR-14242-J ADDED LABEL FORMAT FOR 73251-4966							
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 737836							
$\frac{F}{P} = 0$	ANGULAR TOL	$\pm$ °	DRWN: CWEI02 2023/02/03							
DIVISIONAL SYMBOLS	4 PLACES	$\pm$	CHK'D: YCHENG 2023/02/10							
	3 PLACES	$\pm$	APPR: YCHENG 2023/02/10							
	2 PLACES	$\pm$	INITIAL REVISION:							
	1 PLACE	$\pm$	DRWN: AROBERTSON 2012/11/21							
THIRD ANGLE PROJECTION	0 PLACES	$\pm$	APPR: JWIENER 2012/11/27							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING		SERIES		DOCUMENT NUMBER			
			C-SIZE		73251		SD-73251-496			
							PSD			
							000			
							B10			
							SHEET NUMBER			
							3 OF 6			

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/10	08:51:15
-----------------	----	--------------	------------	----------



FOR 73251-4966 ONLY

1 SET PER POLYBAG
P/N: 89707-0317



50 SET PER POLYBAG
P/N: 89707-0176

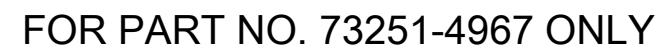
500 SET PER OUTER CARTON BOX
P/N: 96707-0002

LABEL FORMAT FOR
73251-4966

PART NUMBER : 73251-2200
ORDER NUMBER : 73251-4966
MOLEX
DATE : YYWW

FUNCTIONAL SYMBOLS F A = 0 F C = 0 F P = 0 DIVISIONAL SYMBOLS	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 P/N 73251-4967 FOR TR PACKAGING PER EWR14716-C							
	INCH/MM	NTS	EWR-14242-J ADDED LABEL FORMAT FOR 73251-4966							
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 737836							
	ANGULAR TOL		±	°	DRWN: CWEI02					
	4 PLACES		±		2023/02/03					
	3 PLACES		±		2023/02/10					
	2 PLACES		±		2023/02/10					
	1 PLACE		±		INITIAL REVISION:					
	0 PLACES		±		DRWN: AROBERTSON					
					2012/11/21					
					2012/11/27					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
					C-SIZE	73251	SEE TABLE		GENERAL MARKET	4 OF 6

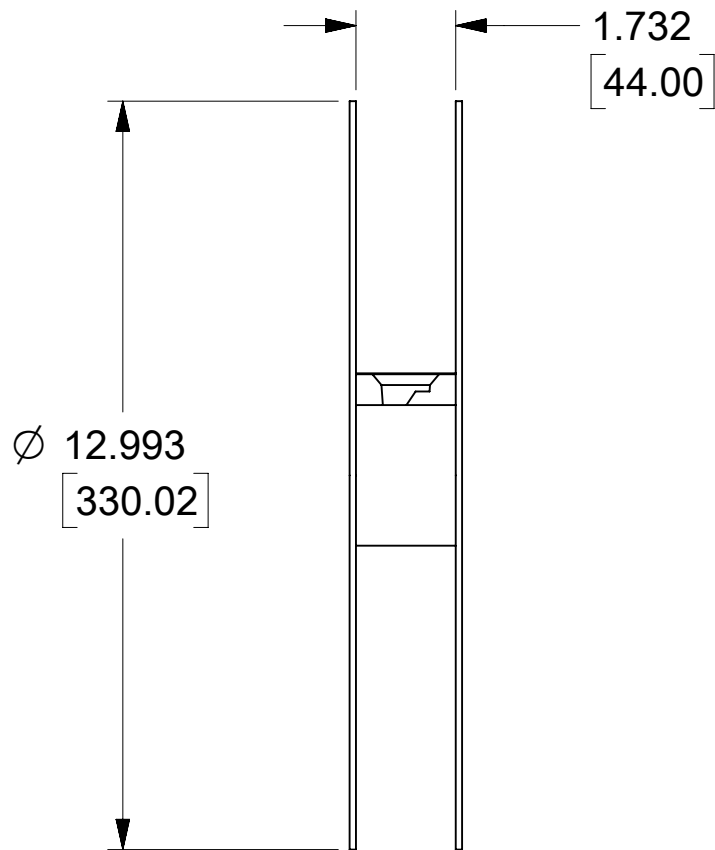
DOCUMENT STATUS	P1	RELEASE DATE	2023/02/10	08:51:15
-----------------	----	--------------	------------	----------



1. MATERIALS: PS BLACK THICKNESS: 0.5±0.05MM
2. COMPONENT LOAD PER 13" REEL: 250 PCS

FORMAT: master-ib-prod-C

FOR 73251-4967 ONLY

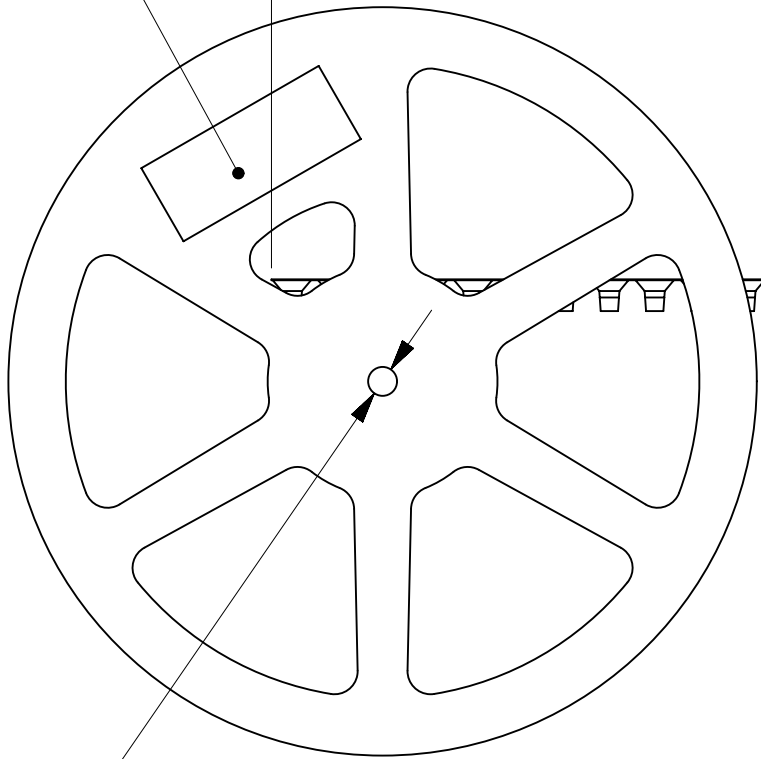


LABEL:
-ORDER NUMBER
-QUANTITY
-PART NUMBER
-LOT NUMBER

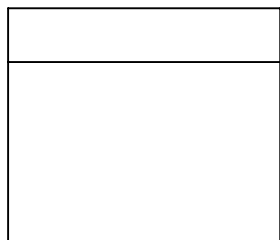
15 EMPTY UNITS
MINIMUM

ORDER QUANTITY
PACKED WITH 250
COMPONENTS

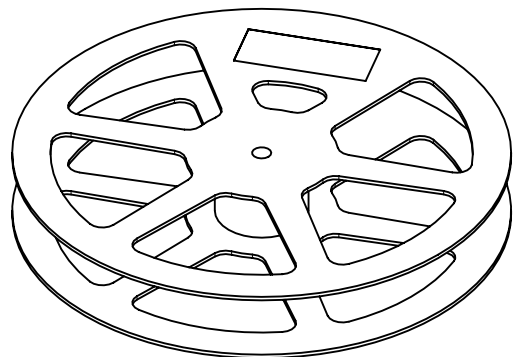
15 EMPTY UNITS
MINIMUM



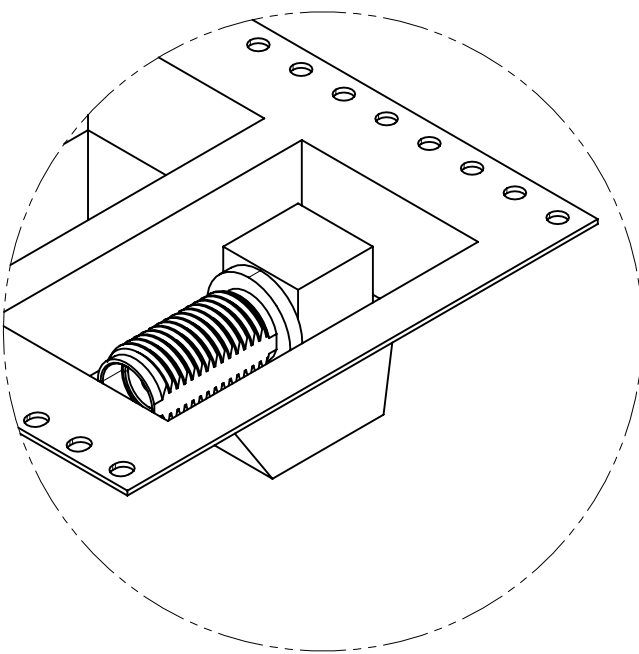
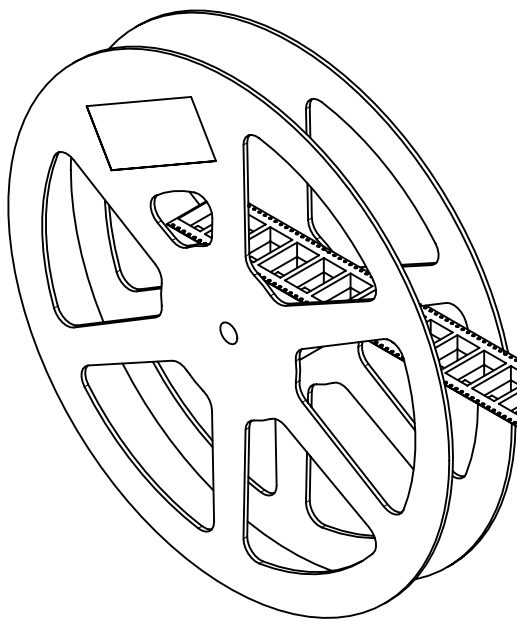
Ø .502 REF
[12.75]



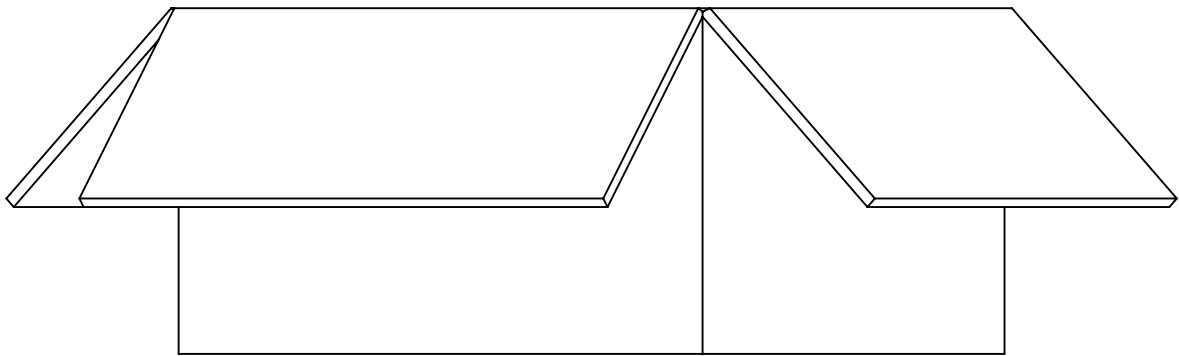
ACCESSORY



REELS X 4 PCS



DETAIL B



1000 SETS PER CARTON BOX
OUTER DIMENSION: 343 X 343X 220 MM

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
F A = 0 F C = 0 F P = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD P/N 73251-4967 FOR TR PACKAGING PER EWR14716-C					molex SMA JACK RA BLKHD RM PCB TH SMA-J/RA/PCB, EWR-2144						
	INCH/MM		NTS													
	GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 737836 DRWN: CWEI02 2023/02/03 CHK'D: YCHENG 2023/02/10 APPR: YCHENG 2023/02/10					PRODUCT CUSTOMER DRAWING					
ANGULAR TOL ± °																
4 PLACES		±														
3 PLACES		±														
2 PLACES		±														
DIVISIONAL SYMBOLS	1 PLACE		±		INITIAL REVISION: DRWN: AROBERTSON 2012/11/21 APPR: JWIENER 2012/11/27					DOCUMENT NUMBER SD-73251-496		DOC TYPE PSD	DOC PART 000	REVISION B10		
	0 PLACES		±													
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 73251		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 6 OF 6	

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/10 08:51:15
-----------------	----	--------------	---------------------