

MATERIALS AND FINISHES:

BODY, JAM NUT: BRASS
FINISH: SEE TABLE

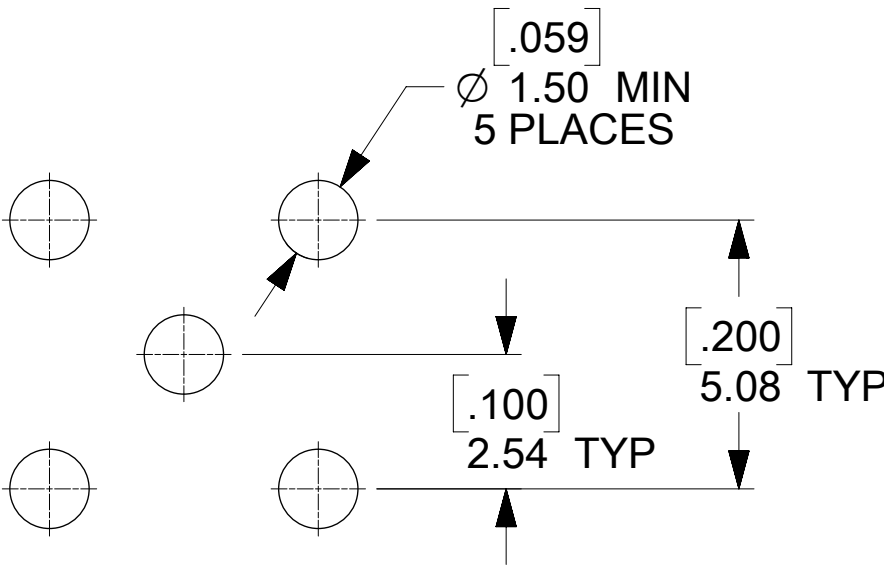
CENTER CONTACT: BERYLLIUM COPPER
PLATED GOLD

INSULATOR: TEFLON

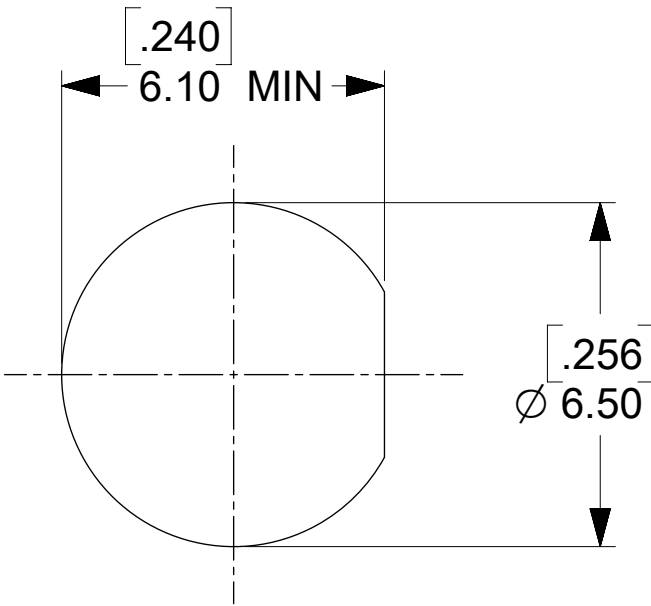
LOCKWASHER: PHOSPHOR BRONZE
FINISH: SEE TABLE

ELECTRICAL REQUIREMENTS:

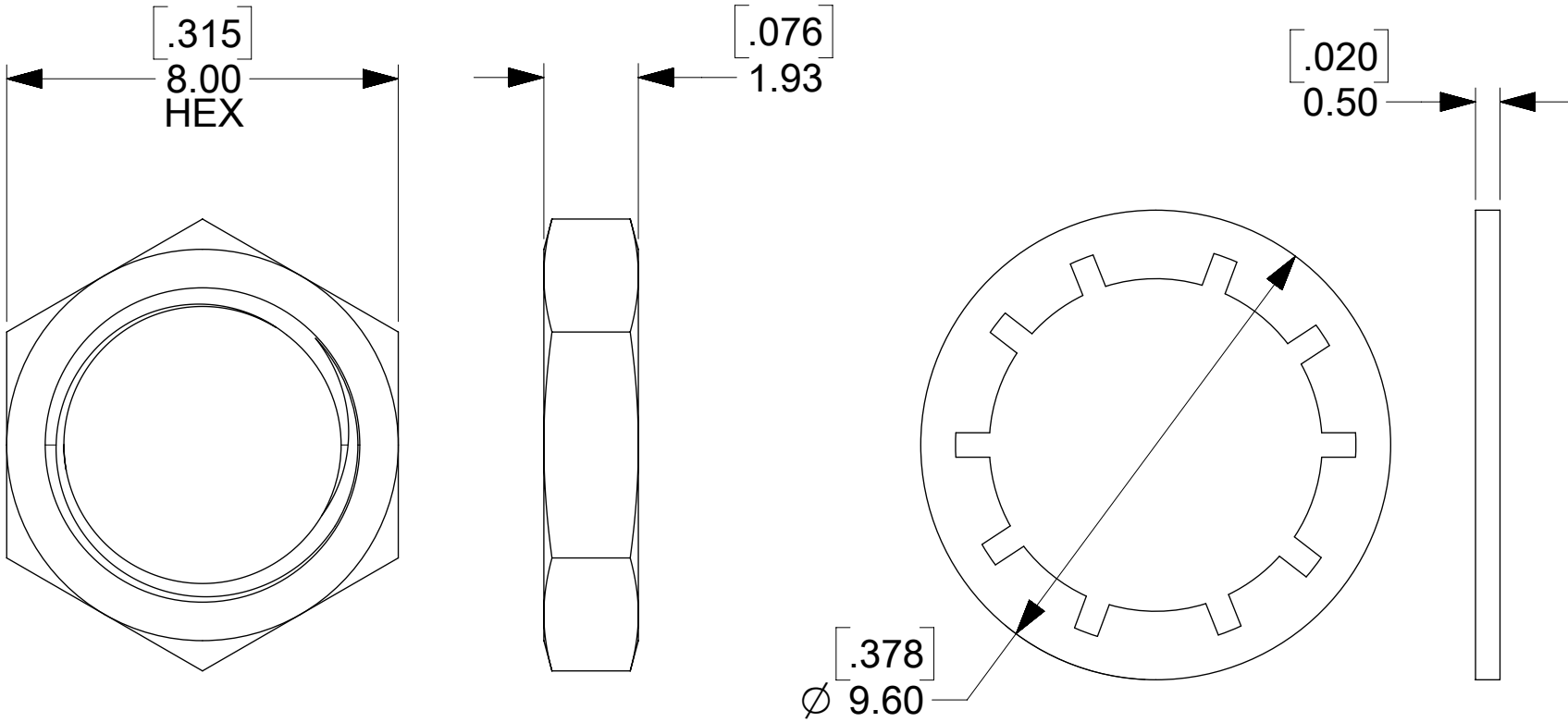
1. VOLTAGE STANDING WAVE RATIO
1.1(MAX) @0-6GHz.
1.5(MAX) @6-12GHz.
1.8(MAX) @12-18GHz.
2. RF INSERTION LOSS:
0.1(MAX) @0-6GHz.
0.4(MAX) @6-12GHz.
0.7(MAX) @12-18GHz.



RECOMMENDED PCB LAYOUT



RECOMMENDED PANEL CUTOUT

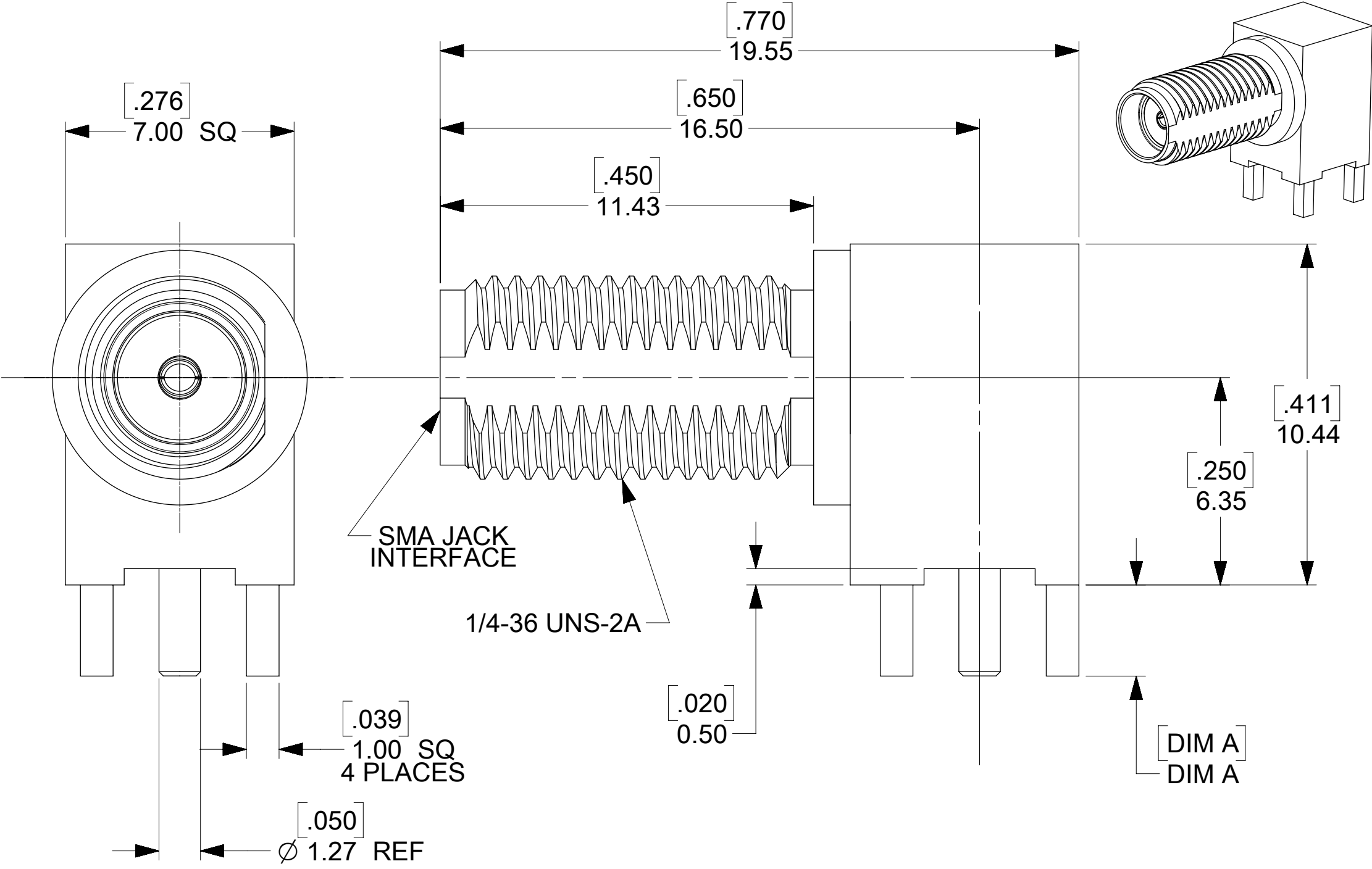


JAM NUT

LOCKWASHER

PS-89675-3460	ELECTRO/MECH PERFORM.
SPECIFICATION	DESCRIPTION

D12	ADD TESTING ITEM OF PRODUCT SPEC ON DRAWING
REVISION	DESCRIPTION



SEE SD-73251-496 FOR PART NO. CONTINUATION

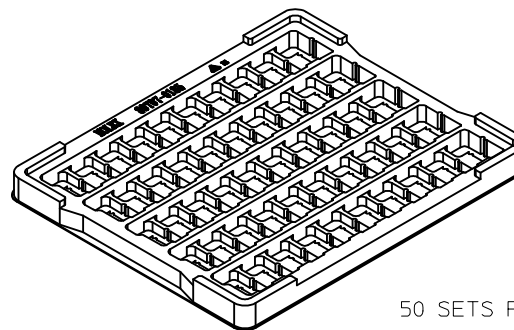
73251-2209	GOLD FLASH / STANDARD TRAY	3.94	.155
73251-2208	GOLD FLASH/STANDARD TRAY W/O WASHER AND NUT	3.94	.155
73251-2207	73251-2201 PACKAGED ONE PER BAG	2.79	.110
73251-2206	SAME AS 73251-2201 EXCEPT COMMERCIAL CONTACT	2.79	.110
73251-2205	SAME AS 73251-2200 EXCEPT COMMERCIAL CONTACT	2.79	.110
73251-2204	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	

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
 = 0	EC NO: 119672 DRWN: JSU18 CHKD: YCHENG REV: D12	2017/07/20	2017/08/01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE						
 = 0						MM		1:1						
 = 0				ANGULAR TOL ± °		DRWN BY		DATE		SMA JACK, R/A PCB 50 OHM SMA-J/RA/PCB EWR-2144				
 = 0				4 PLACES ±		AROBERTSON		2012/11/21						
 = 0				3 PLACES ±		CHKD BY		DATE						
 = 0				2 PLACES ±		CHKD BY		DATE						
 = 0				1 PLACE ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
 = 0				0 PLACES ±		JWIENER		2012/11/21						
 = 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER	
										73251			GENERAL MARKET	
										DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
										SD-73251-220		PSD	000	1 OF 2

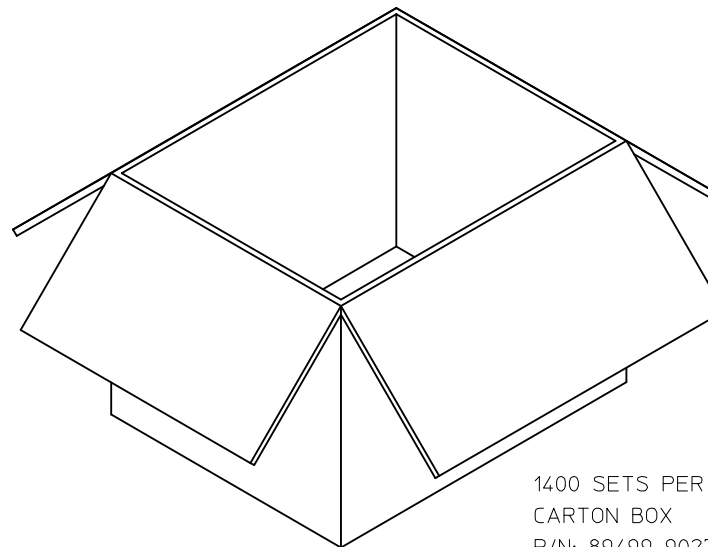
RELEASE STATUS	RELEASE DATE	
12	11	10



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

REV	DESCRIPTION
7	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	DESIGN UNITS	THIRD ANGLE PROJECTION	
2.5:1	METRIC		
TITLE			
SMA JACK R/A PCB TH			
50 OHMS			
SMA-J/PCB			
molex			
DOCUMENT NO.		SHEET NO.	
SD-73251-220-PKG		1 OF 4	
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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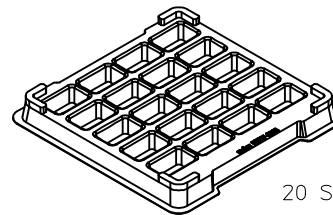
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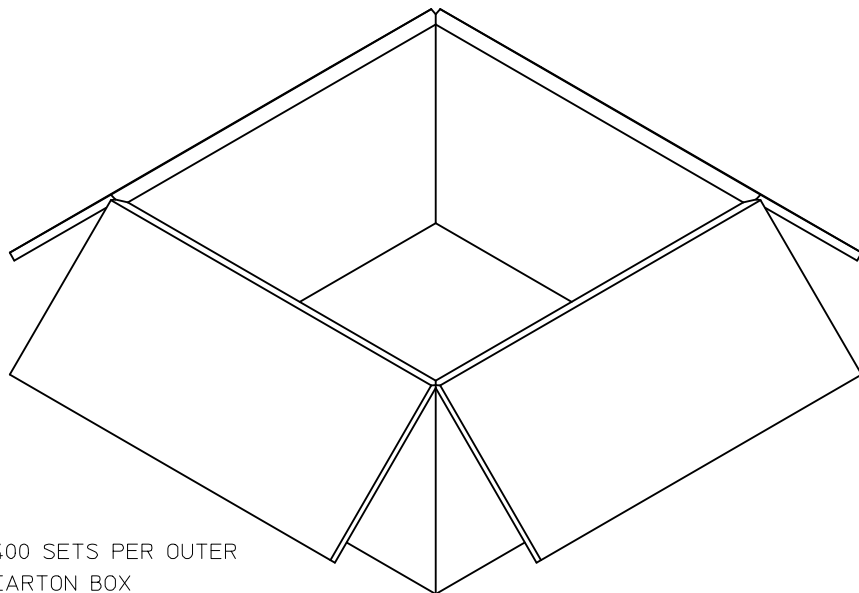
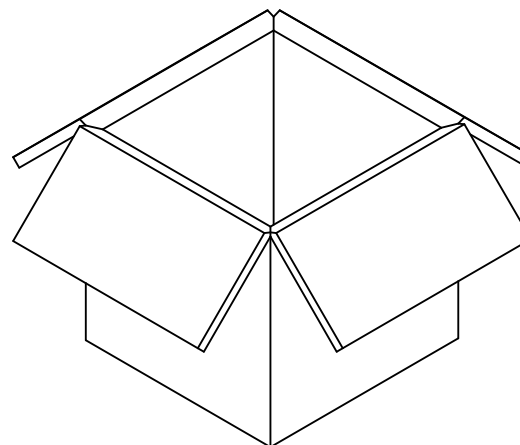
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P/N: 73251-2202

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
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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	DESIGN UNITS	THIRD ANGLE PROJECTION	
2:1	METRIC		
TITLE			
SMA JACK R/A PCB TH			
50 OHMS			
SMA-J/PCB			
molex			
DOCUMENT NO.		SHEET NO.	
SD-73251-220-PKG		2 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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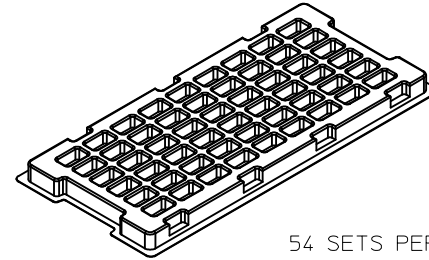
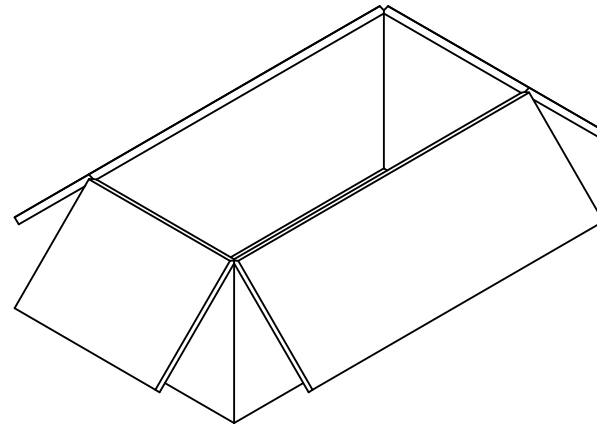
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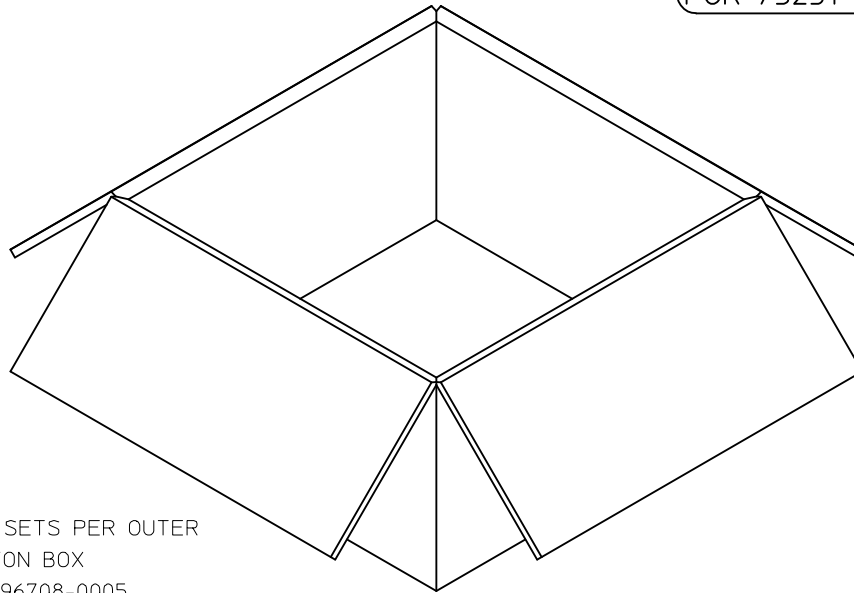
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P/N: 73251-2203 / 73251-2204

54 SETS PER TRAY
TRAY P/N: 89707-0220540 SETS PER INNER
CARTON BOX
P/N: 96707-0001

(FOR 73251-2203 AND 73251-2204)

1080 SETS PER OUTER
CARTON BOX
P/N: 96708-0005

CHG:SEE SHEET 1
EC NO: URF2013-0734
2013/06/28
DRAWN: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

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.
3 OF 4

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

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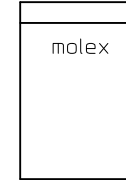
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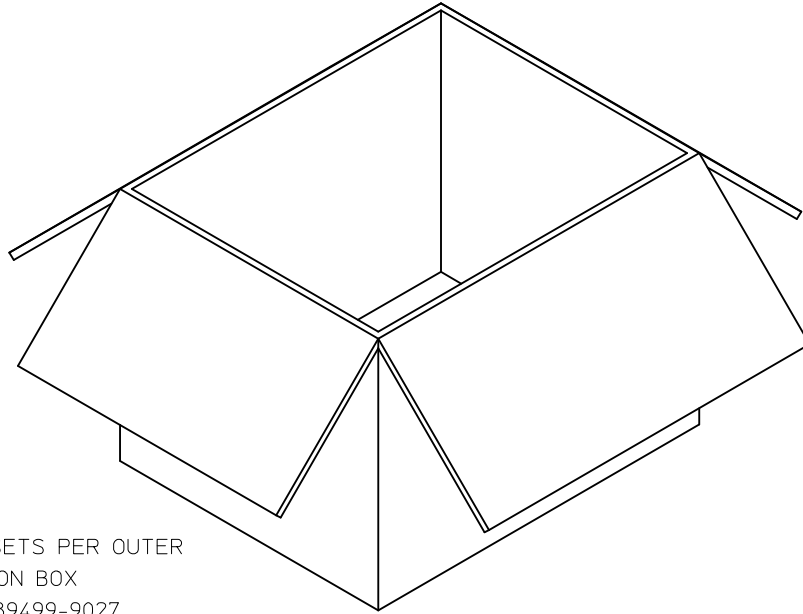
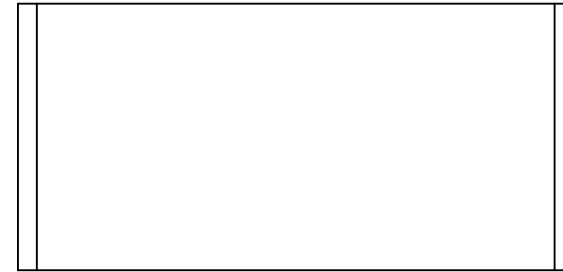
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P/N: 73251-2207

1 SET PER POLYBAG
P/N: 89707-0317

FOR 73251-2207 ONLY

500 SETS PER OUTER
CARTON BOX
P/N: 89499-902750 SETS PER POLYBAG
P/N: 89707-0174

CHG:SEE SHEET 1

EC NO: URF2013-0734

DRWN:RYEH

CHKD:

APPR:MHUANG

2013/06/28

2013/07/26

DESCRIPTION

REV

A

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 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 TABLESCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONTITLE
SMA JACK R/A PCB TH
50 OHMS
SMA-J/PCB
molexDOCUMENT NO.
SD-73251-220-PKG
SHEET NO.
4 OF 4

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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

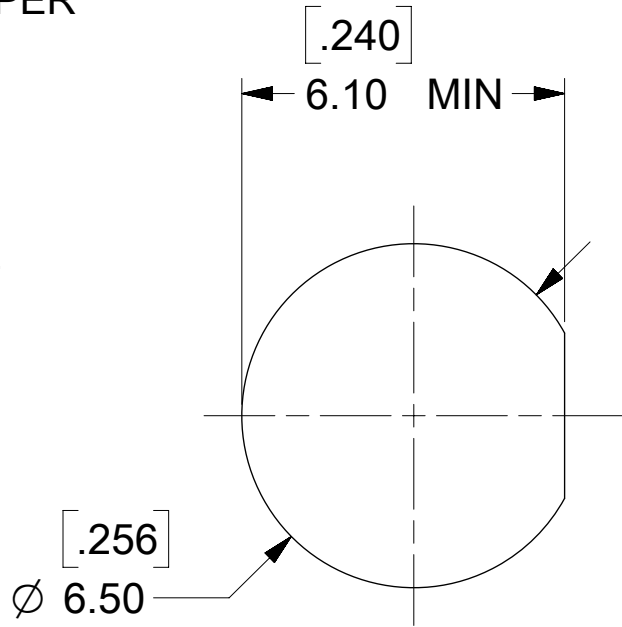
ELECTRICAL REQUIREMENTS:

1. VOLTAGE STANDING WAVE RATIO

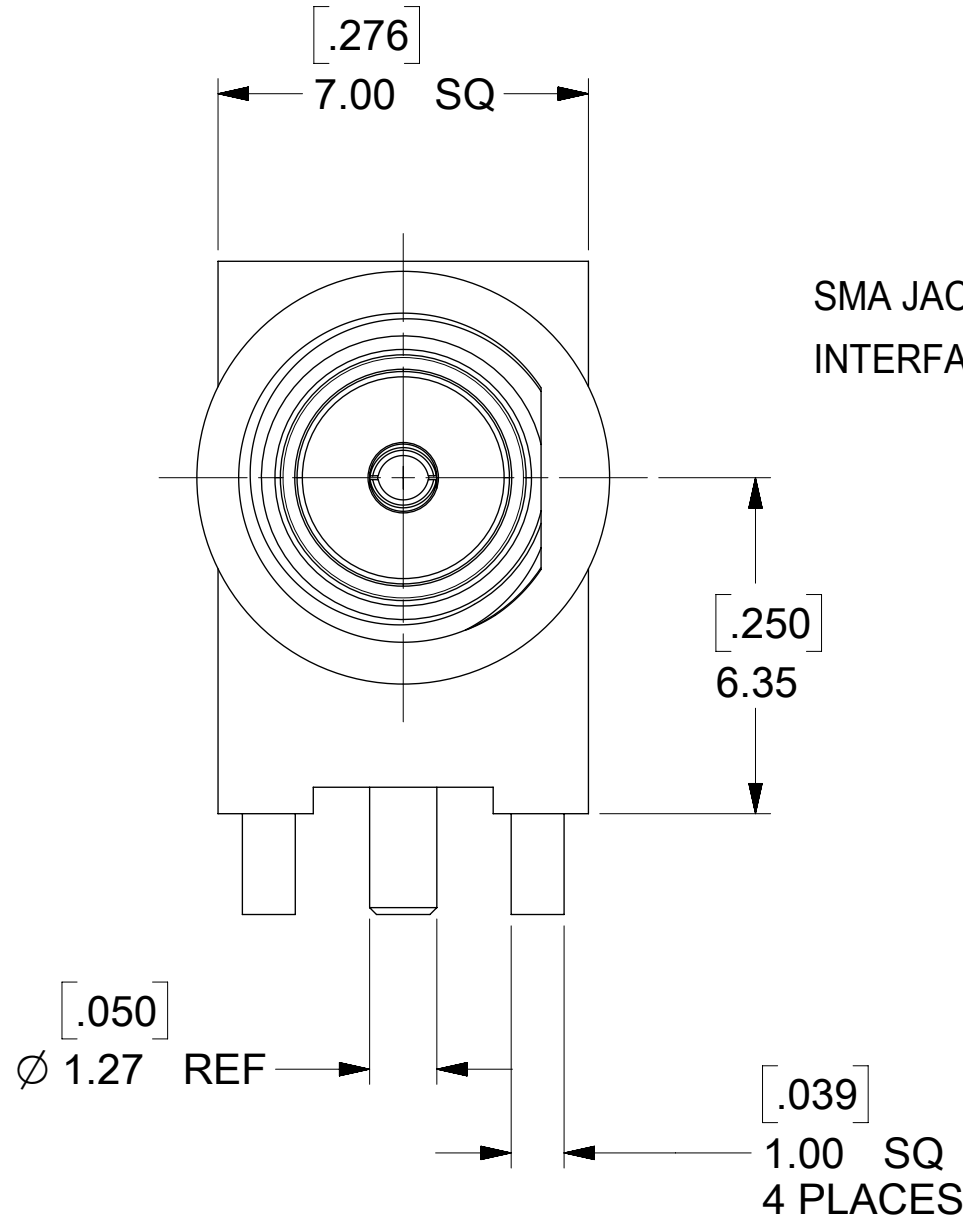
- 1.1(MAX) @0-6GHz.
- 1.5(MAX) @6-12GHz.
- 1.8(MAX) @12-18GHz.

2. RF INSERTION LOSS:

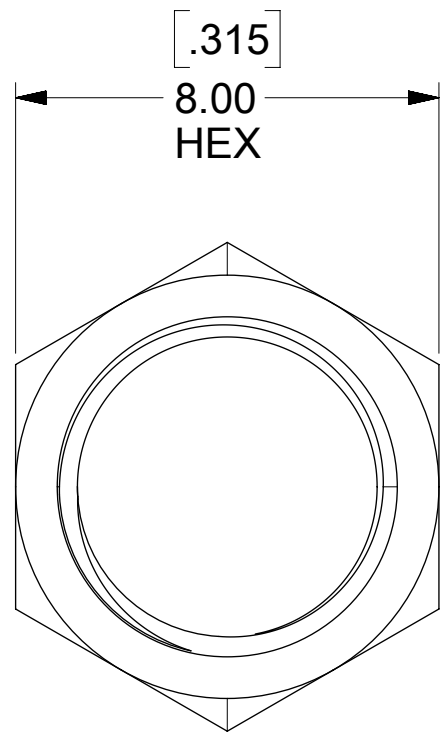
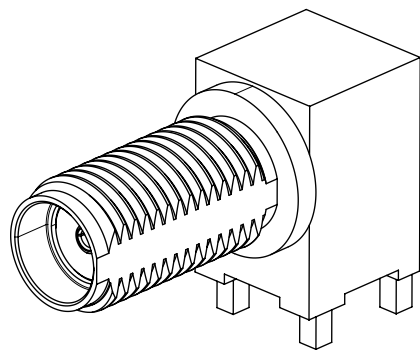
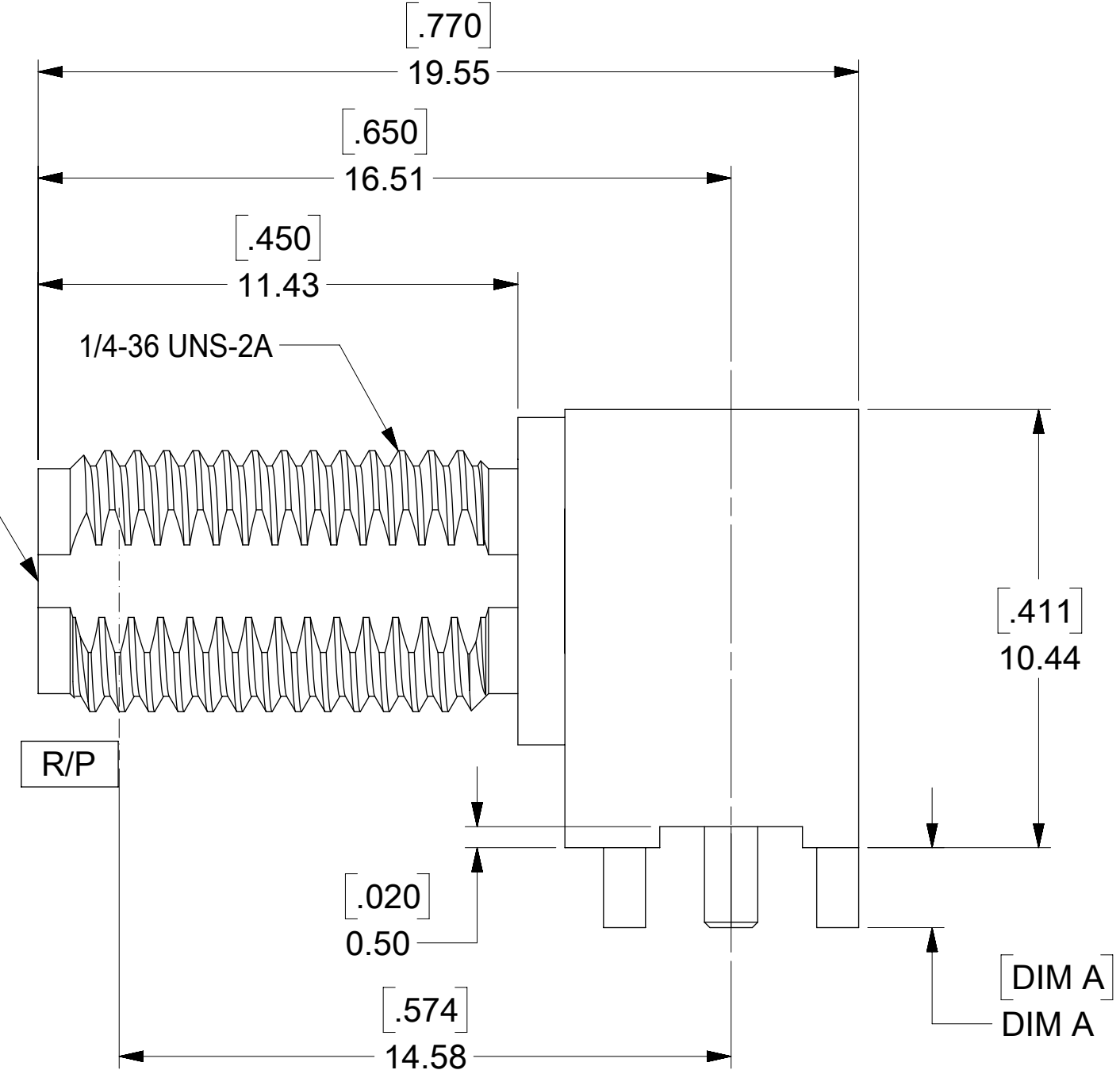
- 0.1(MAX) @0-6GHz.
- 0.4(MAX) @6-12GHz.
- 0.7(MAX) @12-18GHz.



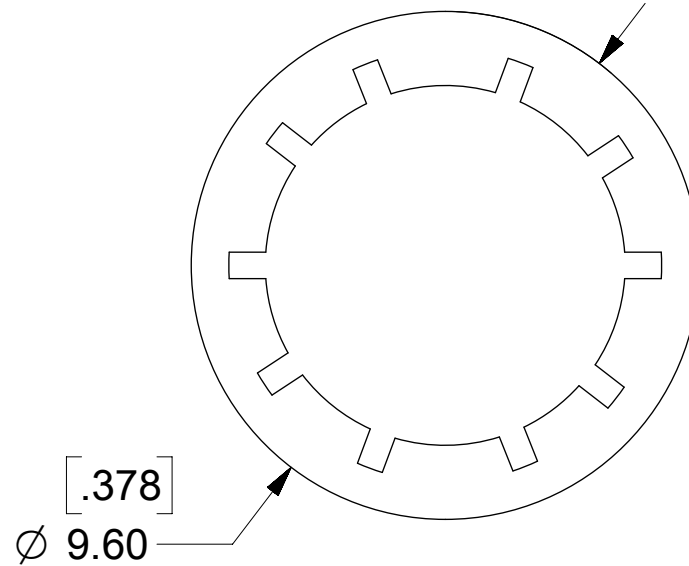
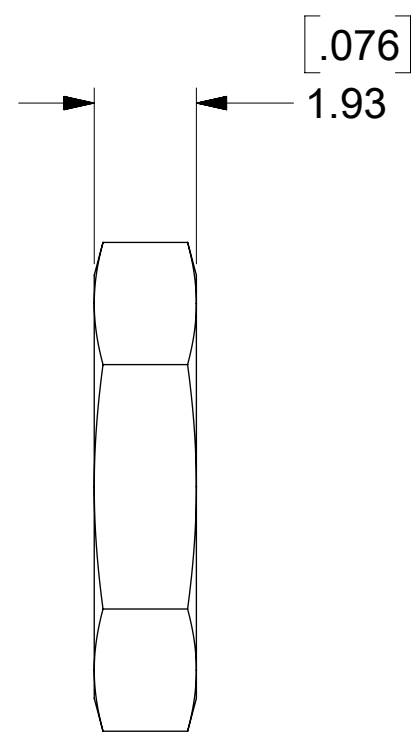
PANEL CUTOUT
3.42 / .135 MAX
THICKNESS



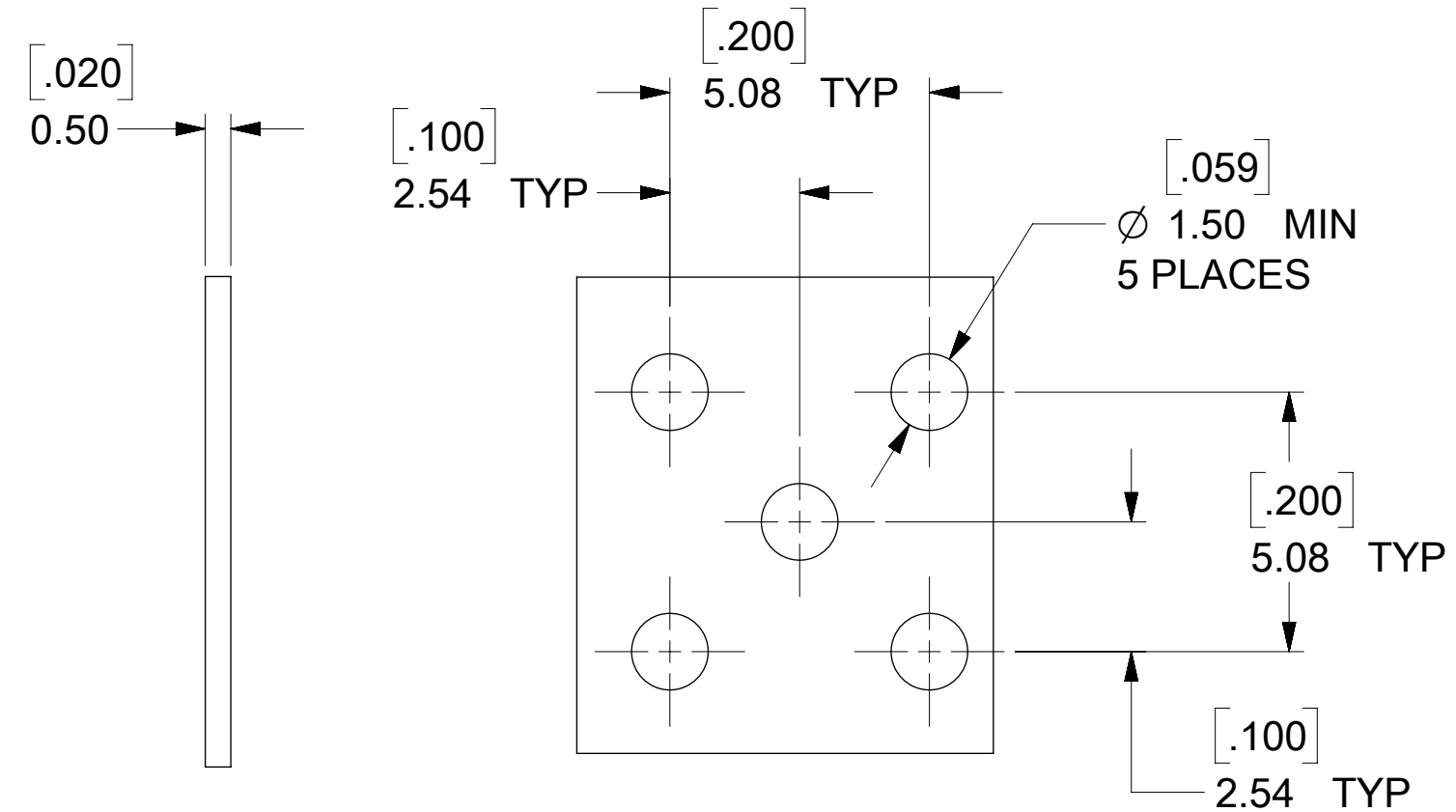
SMA JACK
INTERFACE



JAM NUT



LOCK WASHER

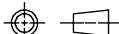


SD-73251-496 IS CONTINUATION FOR SD-73251-220

73251-4963	NOT INCLUDED	NOT INCLUDED	2.79 / .110	GOLD / STANDARD TRAY
73251-4962	1	NOT INCLUDED	2.79 / .110	NICKEL PLATED/ STANDARD TRAY
73251-4961	2	1	3.94 / .155	GOLD FLASH / STANDARD TRAY
73251-4960	1	1	1.91 / .075	GOLD FLASH / STANDARD TRAY
PART NO.	JAM NUT QTY	LOCK WASHER QTY	MM / IN	PLATING (BODY, NUT, LOCKWASHER) PACKAGING
	INCLUDED	INCLUDED	DIM A	

B4	ADD TESTING ITEM OF PRODUCT SPEC ON DRAWING
B3	BASE ON 73251-2201 TO ADD NEW PART NUMBER TO REMOVE LOCK WASHER AND JAM NUT
REVISION	DESCRIPTION

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
PDR17022392	EC NO: 119672 DRWN: JSU18 CHKD: YCHENG REV: APPR:	2017/07/21	2017/08/01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE		molex®					
						MM	1:1							
				ANGULAR TOL ± °		DRWN BY		DATE		SMA JACK RA BLKHD RM PCB TH SMA-J/RA/PCB, EWR-2144				
				4 PLACES ±	JLEE02		2014/03/28							
				3 PLACES ±	CHKD BY		DATE							
				2 PLACES ±	APPR BY		DATE							
				1 PLACE ±	WSPINK		2014/03/28							
				0 PLACES ±	DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C		73251		GENERAL MARKET				
								DOCUMENT NUMBER				DOC TYPE	DOC PART	SHEET NUMBER
SD-73251-496		PSD	000					1 OF 1						