

MATERIALS AND FINISHES

BODY STAINLESS STEEL
PASSIVATE

CENTER CONTACT BERYLLIUM COPPER
PLATED GOLD

INSULATOR TEFLON

SCREW STEEL

$\phi \frac{1.600 \pm 0.025}{.063 \pm .001}$
2 PLACES
THRU

$\frac{7.16 \pm 0.05}{.282 \pm .002}$

$\frac{3.58 \pm 0.05}{.141 \pm .002}$
2 PLACES

RECOMMENDED PCB LAYOUT

GROUND
PAD

$\phi \frac{4.32}{.170}$
GROUND PAD
MINIMUM

$\phi \frac{2.57 \pm 0.05}{.101 \pm .002}$
GROUND PAD

$\phi \frac{0.76 \pm 0.08}{.030 \pm .003}$
SIGNAL
PAD

SIGNAL PAD

1/4-36 UNS-2A

SMA JACK
INTERFACE

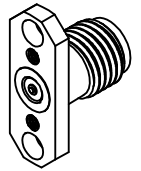
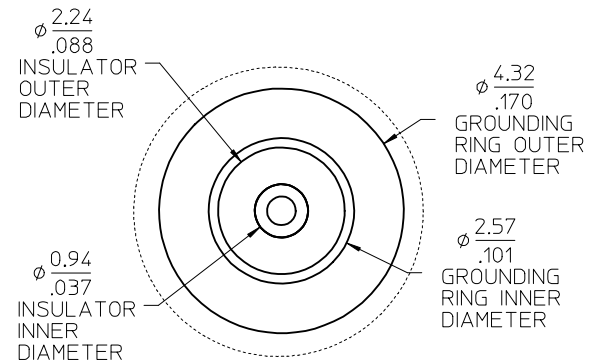
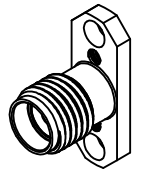
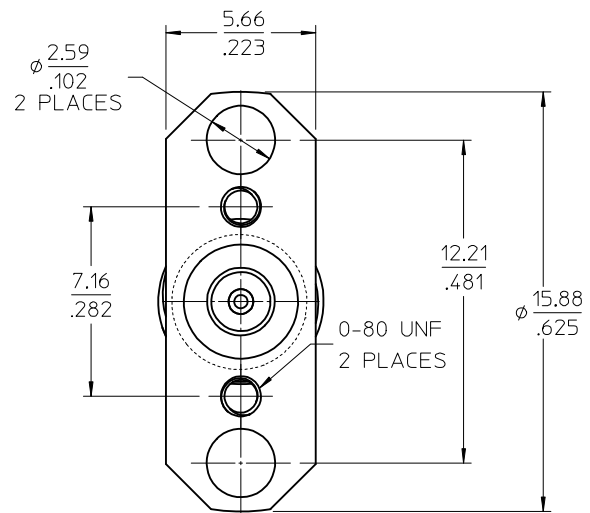
GROUNDING RING

MOUNTING SCREWS MUST NOT
EXTEND BEYOND THIS POINT

$\frac{0.064}{.0025}$

$\phi \frac{0.508 \pm 0.025}{.020 \pm .001}$
CENTER CONTACT

$\frac{0.13}{.005}$
 $\frac{+0.08}{-0.00}$
 $\frac{+0.003}{-.000}$



PS-89675-3460

ELECTO/MECH PERFOR

MIL-STD-348A, FIG 310-2

INTERFACE

SPECIFICATION

DESCRIPTION

73251-1852	P/N 73251-1850, ONE PER BAG
------------	-----------------------------

73251-1850	WITHOUT SCREWS
------------	----------------

PART NO.	DESCRIPTION
----------	-------------

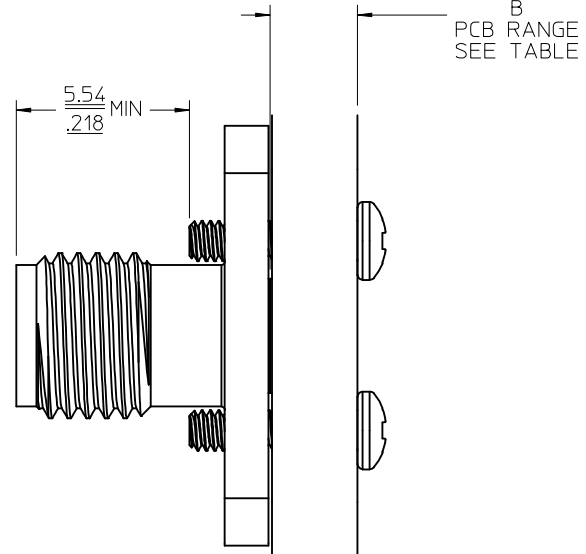
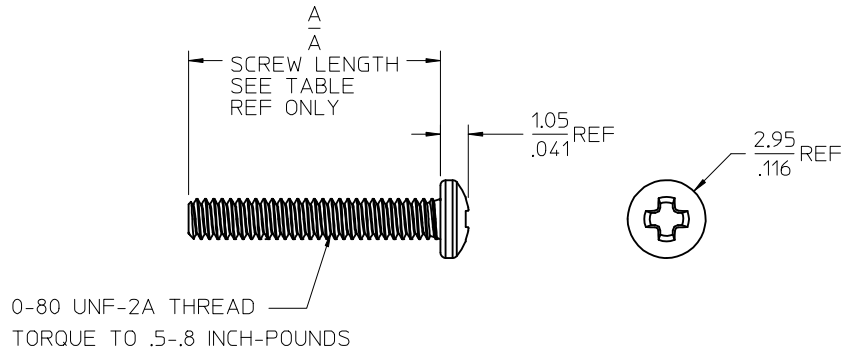
CHG: UPDATED PCB RANGES ON SHEET 2	EC NO: URF2014-0056 2013/07/22 DRWN: JWIENER 2013/07/23 CHKD: SSS 2013/07/29 APPR: JWIENER	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE SMA JACK, 2H FLG WITH 0-80 THD, 50 OHM 27 GHZ SMA-JR/F EWR-1995 MOLEX INCORPORATED	DOCUMENT NO. SD-73251-185	SHEET NO. 1 OF 3
					4 PLACES ± --- ± ---	DRAWN BY GMH	DATE 2003/04/21					
					3 PLACES ± --- ± ---	CHECKED BY SSS	DATE 2003/04/21					
					2 PLACES ± --- ± ---	APPROVED BY JWIENER	DATE 2010/06/09					
					ANGULAR ± 2 °	SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

MATERIALS AND FINISHES

SEE SHEET 1

PCB LAYOUT

SEE SHEET 1

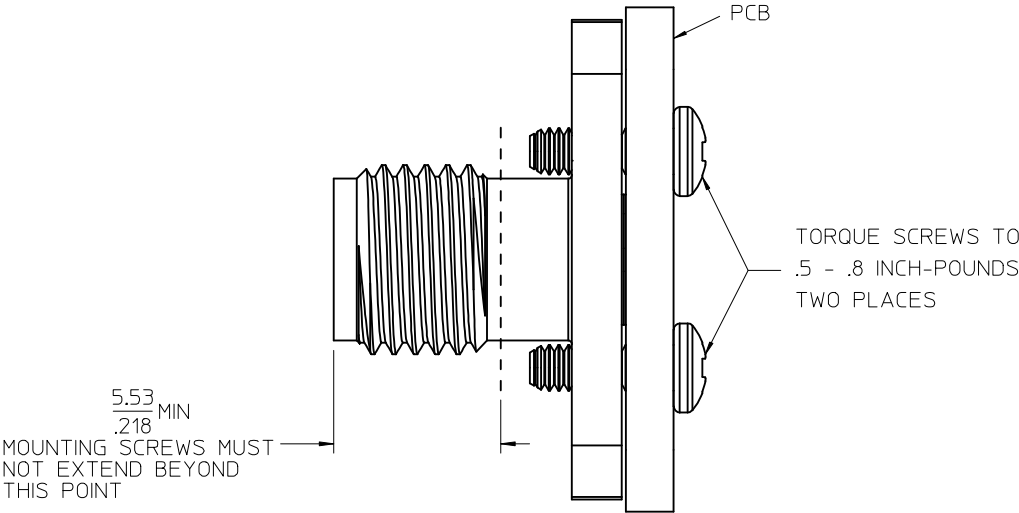


73251-1856	4.8 / .19	.062+.040/- .01	1.57+1.02/- .25	2	SINGLE BAG
73251-1855	3.18/.125	.050+.00/- .040	1.27+0.00/- 1.02	2	TRAY
73251-1854	9.53/.375	.255+.040/- .02	6.48+1.02/- .51	2	TRAY
73251-1853	6.4/.25	.130+.040/- .02	3.30+1.02/- .51	2	TRAY
73251-1851	4.8/.19	.062+.040/- .01	1.57+1.02/- .25	2	TRAY
PART NO.	(MM/IN)	IN	MM	SCREWS (QYT)	PACKAGING
	DIM A	DIM B			

CHG: SEE SHT 1 EC NO: URF2014-0056 DRWN:JWIENER CHKD:SSS APPR:JWIENER				DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
							mm	INCH	DRAWN BY GMH	DATE 2003/04/21	TITLE SMA JACK, 2H FLG WITH 0-80 THD, 50 OHM 27 GHZ SMA-JR/F EWR-1995			
B16				REV		4 PLACES	± ---	± ---	CHECKED BY SSS	DATE 2003/04/21				
						3 PLACES	± ---	± ---	APPROVED BY JWIENER	DATE 2010/06/09				
						2 PLACES	± ---	± ---	SEE TABLE		SD-73251-185		SHEET NO. 2 OF 3	
						1 PLACE	± ---	± ---						
						ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.				
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

ADDITIONAL APPLICATION NOTES / ASSEMBLY INSTRUCTIONS

1. SEE SHEET ONE FOR SUGGESTED PCB LAYOUT.
HEIGHT OF GROUND AND SIGNAL PADS MUST BE
EVEN WITHIN ± 0.038 (.0015).
2. SECURE CONNECTOR TO BOARD BY THREADING
TWO 0-80 SCREWS FROM BOTTOM SIDE OF
BOARD THROUGH CONNECTOR HOLES TO
INDICATED TORQUE (SEE FIGURE).
- DO NOT SOLDER CONNECTOR TO BOARD.
3. ONCE CONNECTOR IS MOUNTED TO BOARD ANY
LOOSENING OR REMOVAL OF SCREWS CAN
AND/OR WILL CAUSE CONNECTOR TO NO LONGER
FUNCTION AS DESIGNED.



CHG: SEE SHEET 1
EC NO: URF2014-0056
2013/07/22
DRWN: JWIENER
CHKD: SSS
2013/07/23
APPR: JWIENER
2013/07/29
REV
B16

QUALITY
SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ ---	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 2^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM/IN	
DRAWN BY	DATE
GMH	2003/04/21
CHECKED BY	DATE
SSS	2003/04/21
APPROVED BY	DATE
JWIENER	2010/06/09
MATERIAL NO.	
SEE TABLE	
SIZE	

SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE		
SMA JACK, 2H FLG WITH 0-80 THD, 50 OHM 27 GHZ SMA-JR/F EWR-1995		
MOLEX INCORPORATED		
DOCUMENT NO.	SD-73251-185	SHEET NO. 3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

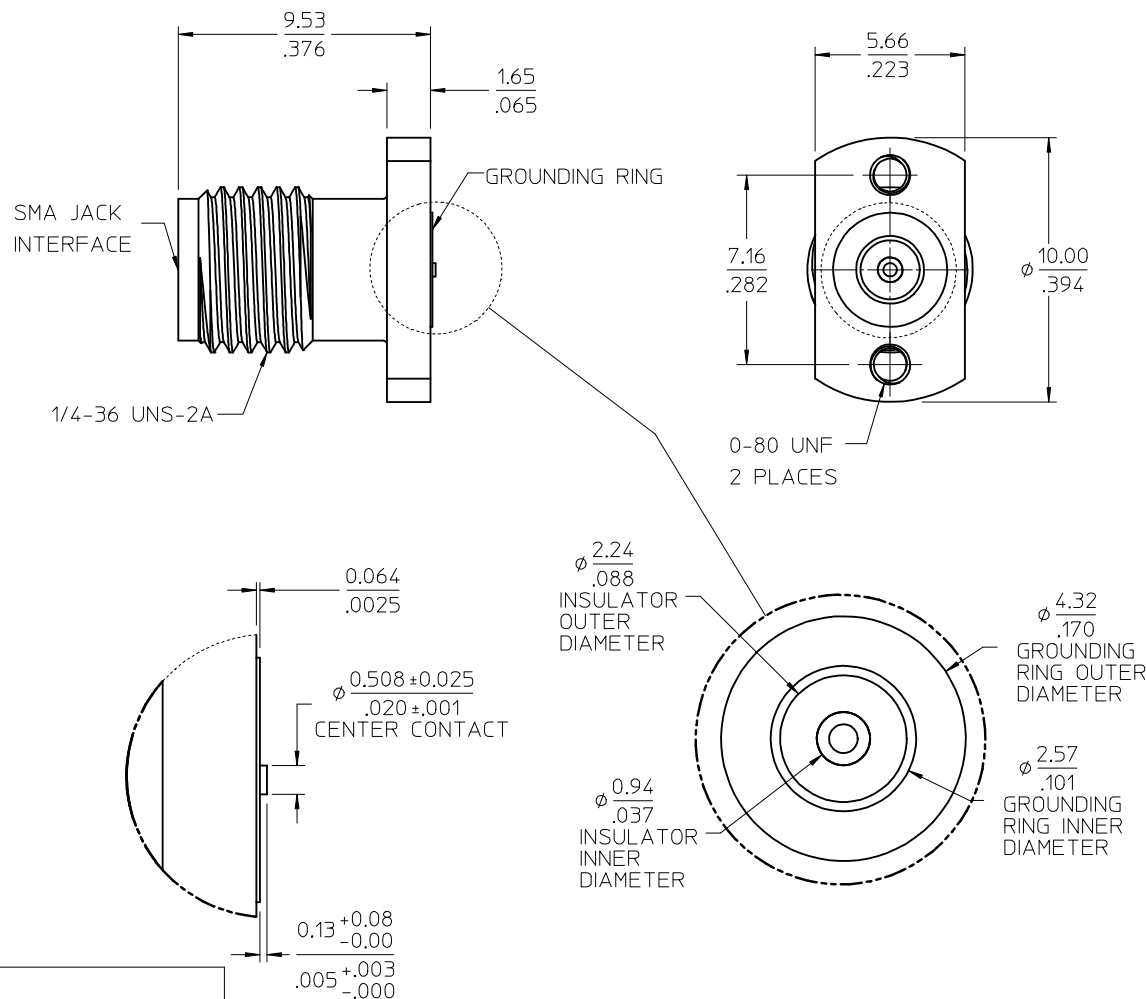
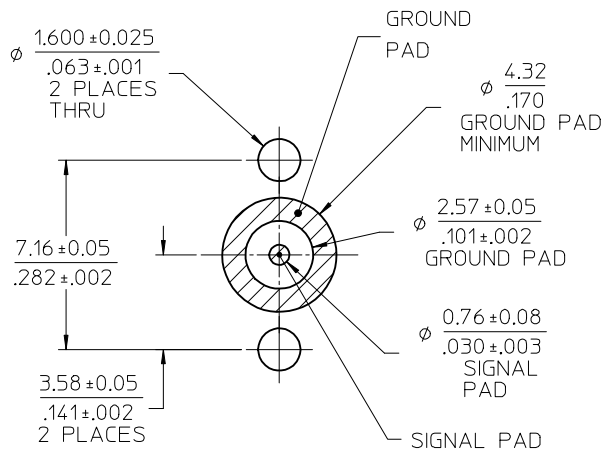
MATERIALS AND FINISHES

BODY STAINLESS STEEL
PASSIVATED

CENTER CONTACT BERYLLIUM COPPER
PLATED GOLD

INSULATOR TEFLON

SCREW STEEL



(SEE SHEET 2 FOR OTHER PART NUMBERS)

73251-3482	P/N 73251-3480, ONE PER BAG
73251-3480	WITHOUT SCREWS, TRAY PACK
PART NO.	DESCRIPTION

PS-89675-3460	ELECTO/MECH PERFOR
MIL-STD-348A, FIG 310-2	INTERFACE
SPECIFICATION	DESCRIPTION

CHG: UPDATE PCB RANGE
SHEET 2

EC NO: URF2014-0056
2013/07/22
DRWN: JWIENER
2013/07/23
CHKD: SSS
2013/07/29
APPR: JWIENER

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES ±	---	---
3 PLACES ±	---	---
2 PLACES ±	---	---
1 PLACE ±	---	---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY	DATE
SSS	2008/07/16
CHECKED BY	DATE
AZR	2008/07/16
APPROVED BY	DATE
JWIENER	2010/06/09

MATERIAL NO.
SEE TABLE

SIZE
C

SCALE
DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
SMA JACK, FLANGE WITH
0-80 THD, 50 OHM 27 GHZ
EWR-3690 SMA-J/R/F

MOLEX INCORPORATED

DOCUMENT NO.
SD-73251-348

SHEET NO.
1 OF 2

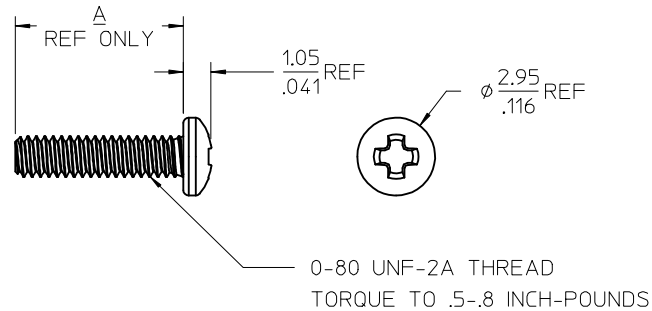
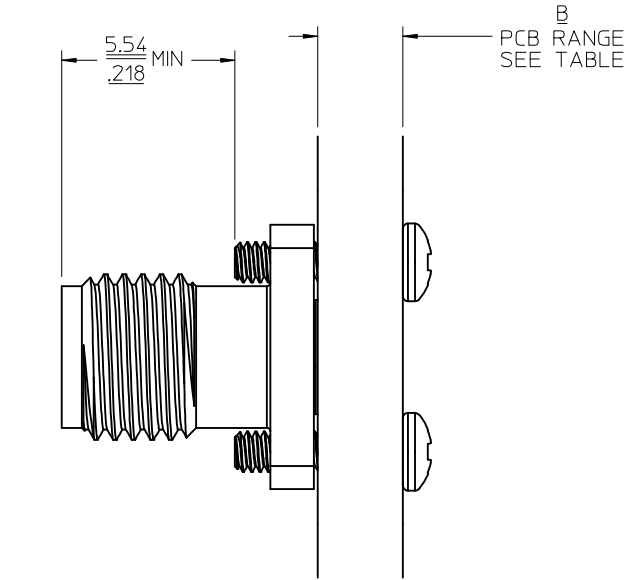
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MATERIALS AND FINISHES

SEE SHEET 1

PCB LAYOUT

SEE SHEET 1



FOR ADDITIONAL APPLICATION NOTES
SEE SHEET 3 OF SD-73251-185

73251-3485	.13/3.2	.050+0/-0.040	1.27+0/-1.02	2
73251-3484	.38/9.5	.255+.040/-0.02	6.48+1.02/-0.51	2
73251-3483	.25/6.4	.130+.040/-0.02	3.30+1.02/-0.51	2
73251-3481	.19/4.8	.062+.040/-0.01	1.57+1.02/-0.25	2
PART NO.	(IN/MM)	IN	MM	SCREW QTY
	DIM A	DIM B		

CHG: SEE SHT 1. EC NO: URF2014-0056 DRWN: JWIENER 2013/07/22 CHKD: SSS 2013/07/23 APPR: JWIENER 2013/07/29	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE				
			4 PLACES	± ---	± ---	SSS	2008/07/16	SMA JACK, FLANGE WITH 0-80 THD, 50 OHM 27 GHZ EWR-3690 SMA-J/R/F				
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± ---	± ---	AZR	2008/07/16					
1 PLACE	± ---	± ---	APPROVED BY		DATE	MOLEX INCORPORATED						
ANGULAR ± 2 °		JWIENER	2010/06/09									
A5	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE TABLE		SD-73251-348		2 OF 2			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												