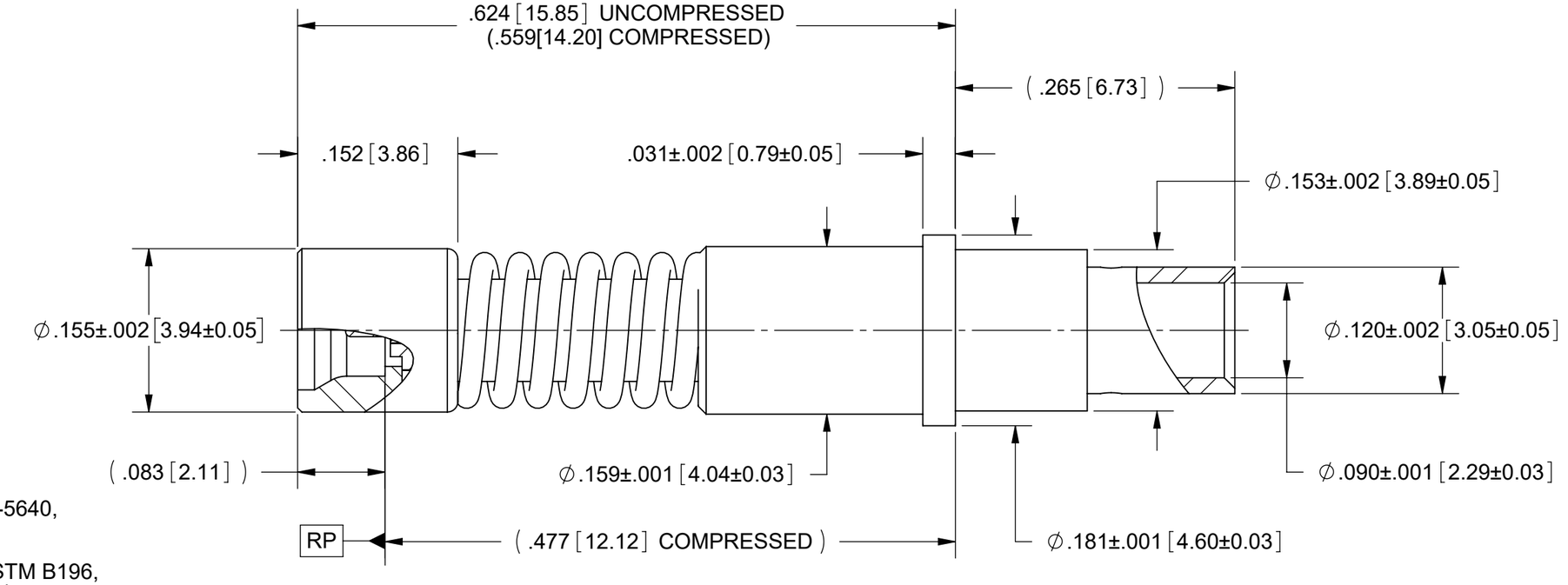
PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
D	DCN 56147	01/25	SEE PDM



MATERIAL:

SHROUD & SLEEVE:	STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
BODY & CONTACT:	BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04
SPRING:	STAINLESS STEEL PER ASTM A313, TYPE 631 ALLOY UNS S17700
INSULATOR:	PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

FINISH:

SHROUD SLEEVE & SPRING:	PASSIVATED PER AMS-2700, TYPE 2
BODY & CONTACT :	GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

PERFORMANCE:

IMPEDANCE:	50 OHMS
FREQ. RANGE:	DC TO 65.0 GHz
DWV:	325 VRMS
OPERATING TEMP.:	-55˚C TO +125˚C
VSWR:	1.10:1 DC TO 26.5 GHz, 1.30:1 TYPICAL TO 50 GHz
INSERTION LOSS:	.12 X SQRT(F(F IN GHz))
INSUL. RESISTANCE:	5000 MEGOHMS MIN.
CONTACT RESISTANCE	
OUTER CONDUCTOR:	2 MILLIOHMS MAX.
INNER CONDUCTOR:	6 MILLIOHMS MAX.
ENGAGEMENT/ DISENGAGEMENT:	2.5 LBS MAX. ENGAGEMENT 1.5 LBS MIN. DISENGAGEMENT

NOTE:

1. ALL SOCKET CONTACTS DESIGNED FOR SERIES I, III OR IV.

MATERIAL: SEE NOTES

FINISH: SEE NOTES

SURFACE AREA: N/A

PROPRIETARY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES:

FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X°X' ±15'

DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

1) ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]
2) ALL DIMENSIONS ARE AFTER PLATING.
3) BREAK CORNERS & EDGES .005 R. MAX.
4) CHAM. 1ST & LAST THREADS.
5) SURFACE ROUGHNESS 63 MIL-STD-10.
6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
7) REMOVE ALL BURRS

DRAWN:	JMC 09/04/07
CHECKED:	SEE PDM
APPROVED:	SEE PDM

Amphenol SV MICROWAVE
www.svmicrowave.com

TITLE: SMPM MALE TO T-FLEX 405 SMOOTH BORE INTERFACE FIT M38999 SIZE 12 INSERT

SIZE B | DWG. NO. SF3211-6004

SCALE: 4:1 | SHEET 1 OF 1