NOTES:

THIRD ANGLE PROJ. 🕀 🖯

REVISIONS REV DESCRIPTION

DATE ECN APPR RELEASE TO MFG. 09-Nov-18 09601 ЕΗ

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM

INSULATOR - PTFE. NATURAL

I. MATERIALS AND FINISHES:

B. FREQUENCY RANGE: DC - 26.5 GHz

BODY & CONTACT - BeCu, GOLD PLATING

C. VSWR (RETURN LOSS) : 1.20 MAX. (-20.80 dB MIN) @ DC - 10 GHz I.40 MAX. (-15.60 dB MIN) @ 10 - 18 GHz

I.50 MAX. (-I4.00 dB MIN) @ 18 - 26.5 GHz

D.DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

3. MECHANICAL:

A. DURABILITY: 100 CYCLES MIN. WHEN MATED FULL DETENT JACK 500 CYCLES MIN. WHEN MATED LIMITED DETENT JACK 1000 CYCLES MIN. WHEN MATED A SMOOTH BORE JACK

B. TEMPERATURE RANGE: -65°C TO +165°C

C. MATING FORCES (PER DSCC #94007):

ENGAGEMENT: FULL DETENT: 15 LBS (67 N) MAX. LIMITED DETENT: 10 LBS (45 N) MAX. SMOOTH BORE: 2 LBS (9 N) MAX.

DISENGAGEMENT: FULL DETENT: 5 LBS (22 N) MIN. LIMITED DETENT: 2 LBS (9 N) MIN. SMOOTH BORE: 0.5 LBS (2.2 N) MIN.

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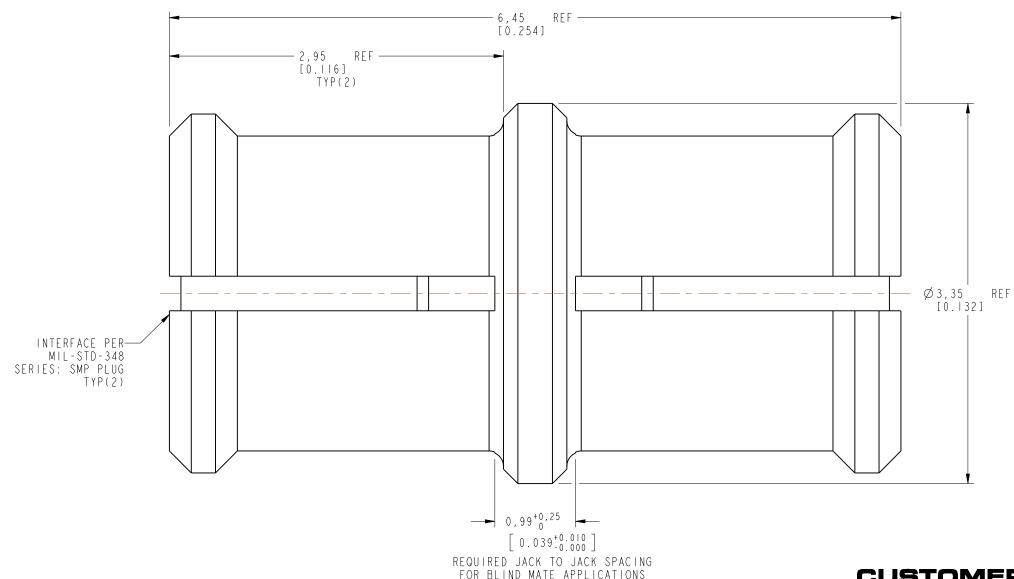
4. PACKAGING:

QUANTITY: SINGLE PACK

MARKING: BAG TO BE MARKED

"AMPHENOL RF, SMP-FS2A-645 AND DATE CODE". ROHS DIRECTIVE 2011/65/EU COMPLIANT

SCALE 7.000



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: MATERIAL DRAWN TITLE DATE 6 - 30mm 30 - 120mm ±0.2mm ± 0.3mm Amphenol RF <0.5mm 0.5 - 6mm ANGLES CLEMENT 29-Oct-18 SMP STR BULLET  $\pm$  0.05mm  $\pm\,$ 0 . ImmNOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data. SEE NOTES ENGINEER DATE ASSEMBLY, 6.45 MM www.amphenolrf.com CLEMENT 29-Oct-18 REFERENCE APPROVED DATE EAR# 8529 DRAWING NO. SMP-FS2A-645 REF: SMP-FSBA-645 SCALE: 30.0:1.0 SHEET 2 OF 2 K. CAPOZZI 09-Nov-18 SMP-FS2A-645 ITEM NO DWG SIZE REV CONFIGURATION LEVEL: In Work CAD FILE SMP-FS2A-645 PART NO. FINISH