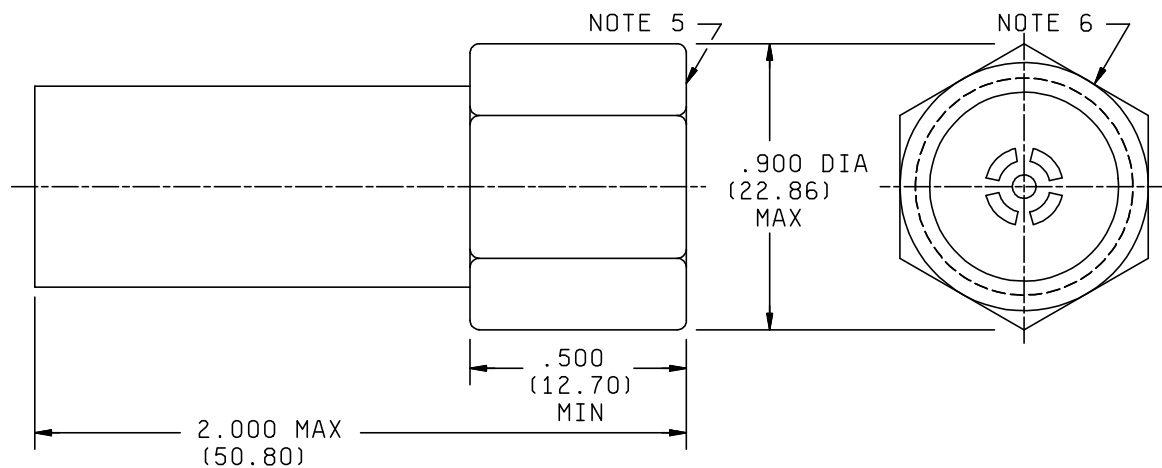


REVISIONS																	
LTR	DESCRIPTION								DATE				APPROVED				
A	Clarify VSWR and IL testing requirements as engineering info.								2 February 2010				Abdonasser M. Abdouni				
Prepared in accordance with ASME Y14.100 Source Control Drawing																	
REV																	
PAGE																	
REV STATUS OF PAGES		REV	A	A	A	A	A										
		PAGE	1	2	3	4	5										
PMIC N/A			PREPARED BY Ron Gary						DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO 43218-3990								
Original date of drawing 7 May 2001			CHECKED BY Lee Surowiec						TITLE CONNECTOR, PLUG, ELECTRICAL, RF, SERIES N, 75 OHM, FOR LOW SMOKE CABLES								
			APPROVED BY Robert Heber														
			SIZE A		CAGE CODE 037Z3				DWG. NO. 01027								
		REV A				PAGE 1 OF 5											

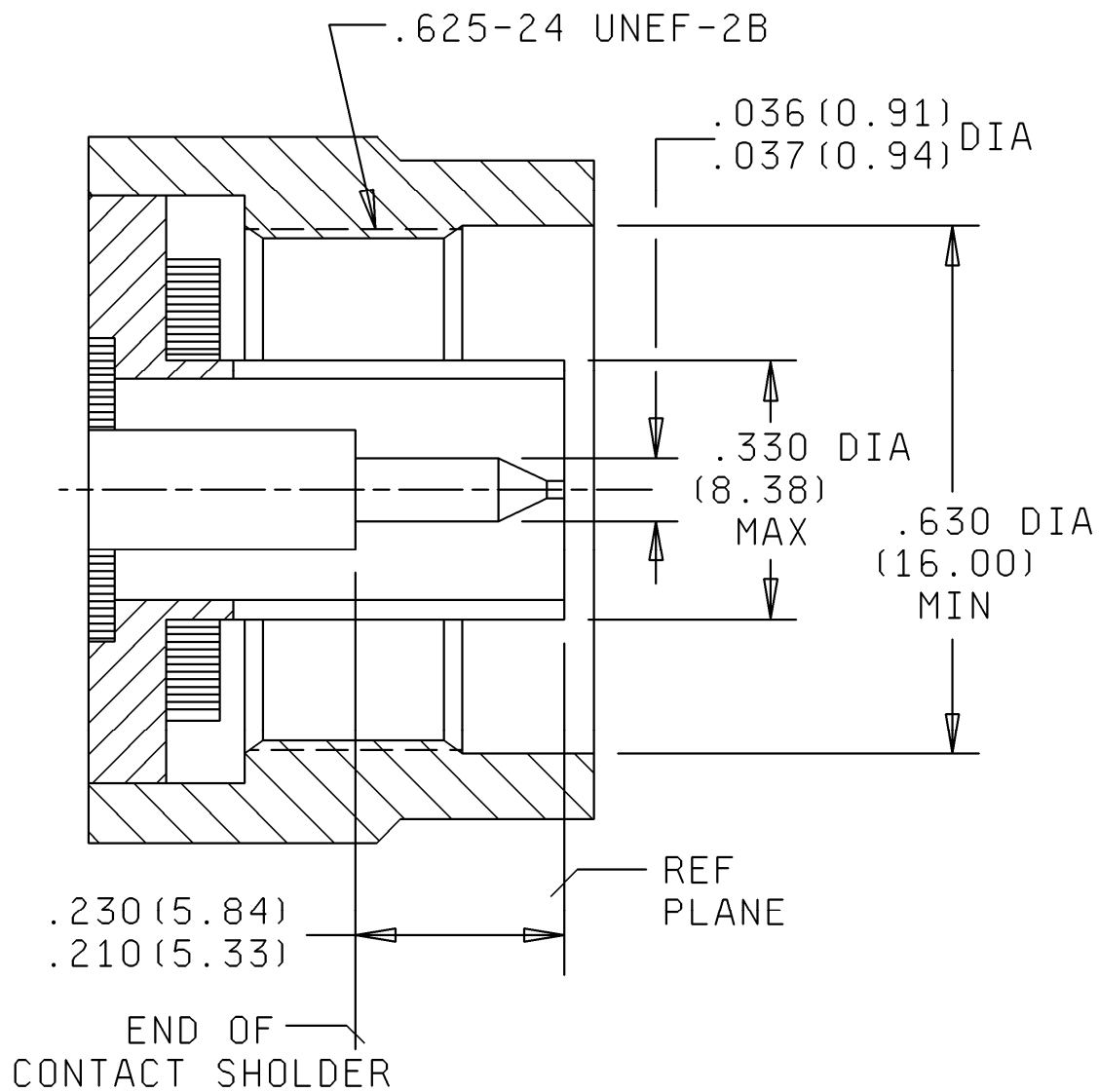


NOTES:

1. Dimensions are in inches; metric equivalents are in parentheses.
2. Metric equivalents are given for reference purposes only.
3. All undimensioned pictorial configurations are for reference purposes only.
4. No safety wire holes are required.
5. Series N, pin contact interface, 75Ω in accordance with figure 2.
6. Dimension is .812 (20.62 mm) across flats.

FIGURE 1. General configuration.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE A	CAGE CODE 037Z3	DWG NO. 01027
		REV A	PAGE 2



NOTES:

1. Dimensions are in inches. Metric equivalents are in parenthesis.
2. Metric equivalents are given for information only.
3. Utilizes standard 50Ω body with 75Ω contact/air dielectric configuration.

FIGURE 2. Interface, series N, pin contact, 75Ω.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE A	CAGE CODE 037Z3	DWG NO. 01027
		REV A	PAGE 3

ENGINEERING DATA:

This document covers the requirements for radio frequency connectors accommodating special low smoke coaxial cables.

Frequency range: 0-2.5 GHz.

VSWR: 1.30 :1, maximum.

Insertion loss: .07 dB at 2 GHz.

REQUIREMENTS:

These connectors shall conform to all the requirements of the latest issue of DSCC drawing 84148, figures 1 and 2 herein, and MIL-PRF-39012/1, and accommodate the cables listed in table I, with the following additions and exceptions.

Electrical: Shall be in accordance with MIL-PRF-39012/1.

Impedance: 75Ω.

Mechanical: Shall be in accordance with MIL-PRF-39012/1 with the following exception:

No safety wire holes are required.

Environmental: Shall be in accordance with MIL-PRF-39012/1.

TABLE I. Cable accommodation.

Part or Identifying Number (PIN) <u>1/</u> <u>2/</u>	Applicable cable
01027NBSA @	M17/229-00001

1/ These connectors have captivated center contacts.

2/ These connectors are assembled using the MIL-C-22520/5 crimp tool and using the following crimp dies:

@ M22520/5-19 Closure A

DEFENSE SUPPLY CENTER, COLUMBUS
COLUMBUS, OH 43218-3990

SIZE
A

CAGE CODE

037Z3

REV

A

DWG NO.

01027

PAGE

4

Approved sources of supply. Approved sources of supply are listed herein. Additional sources will be added as they become available. The vendors listed below have agreed to this drawing and a certificate of compliance has been submitted to DSCC-VAI.

DSCC drawing PIN	Vendor CAGE Number	Vendor similar PIN <u>1/</u>
01027NBSA	00795	3190-1076

1/ Parts must be purchased to this DSCC PIN to assure that all performance requirements and test are met.

Vendor CAGE
number

00795

Vendor name
and address

Delta Electronics
416 Cabot Street
Beverly, MA 01915

DEFENSE SUPPLY CENTER, COLUMBUS
COLUMBUS, OH 43218-3990

SIZE

A

CAGE CODE

037Z3

REV

A

DWG NO.

01027

PAGE

5