



VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter

RF Adapters Technical Data Sheet

PE49828

Configuration

- SMPS Female Connector 1
- Full Detent SMPS Male Connector 2
- 50 Ohm
- VITA 67.3 Design
- Straight Body Geometry

Features

- Max VSWR of 1.35:1 up to 40 GHz
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Allows Connection In Series

Description

Pasternack's PE49828 precision SMPS female to SMPS male VITA 67.3 adapter is part of our full line of RF components available for same-day shipping. Our SMPS female to SMPS male adapter has a female to male gender configuration built of durable stainless steel in a precision design. PE49828 SMPS female to SMPS male adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.35 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50 Ohm		
VSWR			1.35:1	

Mechanical Specifications

Size	
Length	0.19 in [4.83 mm]
Width	0.12 in [3.05 mm]
Height	0.12 in [3.05 mm]
Weight	0.00 lbs [0.14 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter PE49828](#)



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Description	Connector 1	Connector 2
Type	SMPS Female	SMPS Male
Polarity	Standard	Standard
Mating Cycles, Min*		100

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMPS Female		Full Detent SMPS Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold	Beryllium Copper	Gold
Body	Beryllium Copper	Gold	Beryllium Copper	Gold

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

Humidity

MIL-STD-202, Method 106, Less Step 7B

Shock

MIL-STD-202, Method 213, Condition I

Vibration

MIL-STD-202, Method 204, Condition D

Thermal Shock

MIL-STD-202, Method 107, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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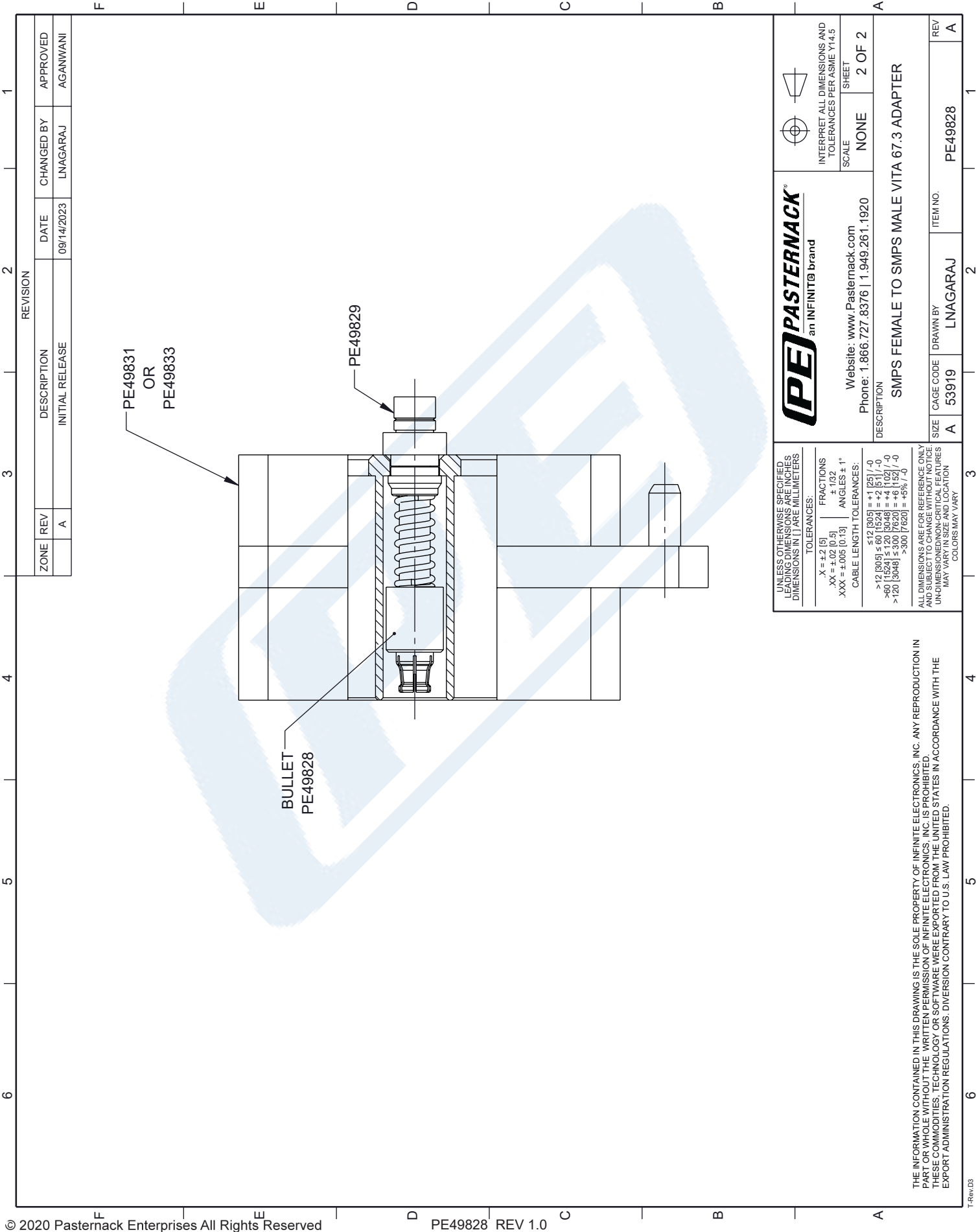
VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter PE49828](https://www.pasternack.com/vita-67.3-smps-female-to-smps-male-full-detent-adapter-pe49828-p.aspx)

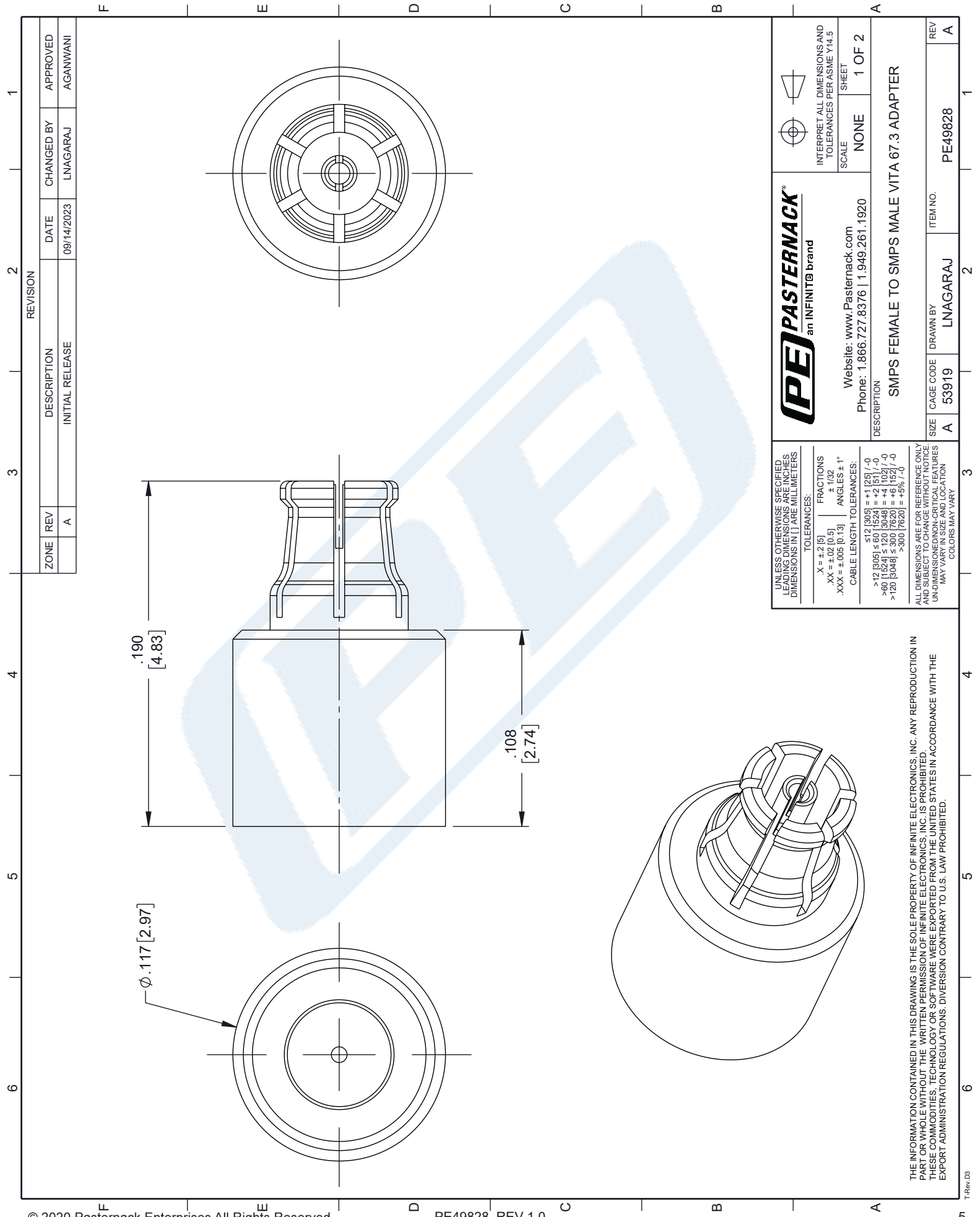
URL: <https://www.pasternack.com/vita-67.3-smps-female-to-smps-male-full-detent-adapter-pe49828-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE49828 CAD Drawing
VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter



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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	09/14/2023	LNAGARAJ	AGANWANI

REVISION

 an INFINITI® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE: NONE SHEET: 1 OF 2	
DESCRIPTION: SMPS FEMALE TO SMPS MALE VITA 67.3 ADAPTER		REV: A	
SIZE: A		ITEM NO. PE49828	
CAGE CODE: 53919		DRAWN BY: LNAGARAJ	

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/64
.XXX = ±.005 [0.13]	± 1/128
ANGLES ± 1°	
CABLE LENGTH TOLERANCES:	
<12 [305] = ±.1 [25] / -0	
>12 [305] ≤ 60 [1524] = ±.2 [51] / -0	
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0	
>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0	
>300 [7620] = ±.5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

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