

INTRODUCTION:

Adam Tech ASJ Series Stereo Jacks are a broad range of 2.6mm and 3.5mm jacks used primarily in computer and multi-media audio applications. This series provides a multitude of sizes and configurations that are available in single or multiple switching forms. Options include choice of full plastic or metal reinforced bodies, single, stacked or ganged versions and color-coded jacks for port identification.

FEATURES:

- Broad range of sizes and configurations
- Single or Multiple switching functions
- Plastic or Metal reinforced bodies
- Ganged and Stacked versions
- Color Coded option for Port Identification

MATING PLUGS:

All industry standard 2.50mm and 3.50mm mono or stereo plugs.

SPECIFICATIONS:

Material:

Standard insulator: PBT or LCP, Glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Bushing: Brass, Nickel plated
Contacts: Copper alloy

Contact Plating:

Tin over Copper underplate

Electrical:

Operating voltage: 12V DC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 100 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 4.4 lbs max.
Withdrawal force: 0.3 kg min
Mating durability: 5000 cycles min.

Temperature Rating:

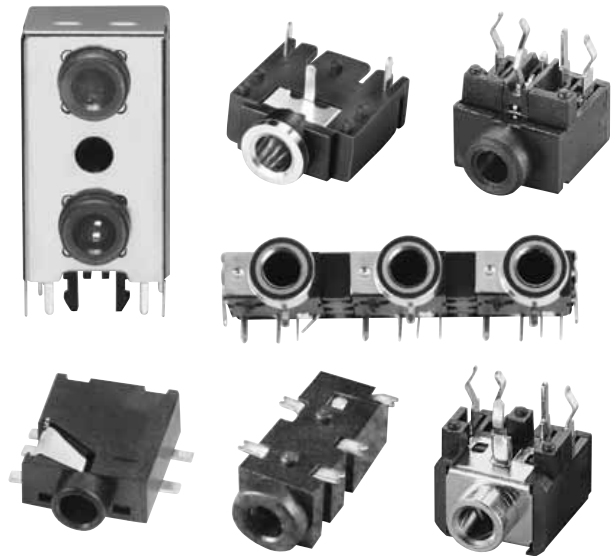
Operating temperature: -25°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic bags or Tape and Reel

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

ASJ

SERIES INDICATOR
ASJ = Stereo Jack

1

3

CONTACT FORMS
(see page 207-209 for individual schematics)

JACK TYPE

1, 5, 6, 7, 12, 15, 18, 37, 38, 40, 41, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113
(see page 209-214)

OPTIONS:

Add designator(s) to end of part number

E = No back cover (Type 1 only)

M = M6 x 0.5 threaded bushing

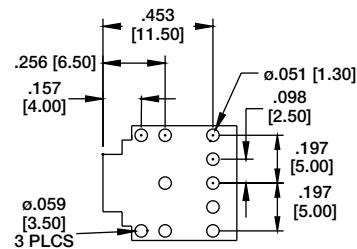
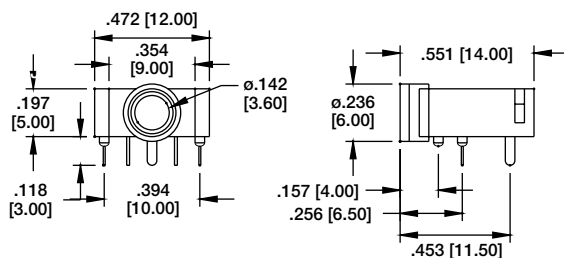
HT = Hi-Temp Nylon 6T insulator for Hi-Temp soldering processes up to 260°C

TR = Tape & Reel packaging

ASJ-1



ASJ-1-3

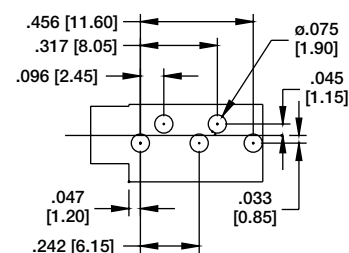
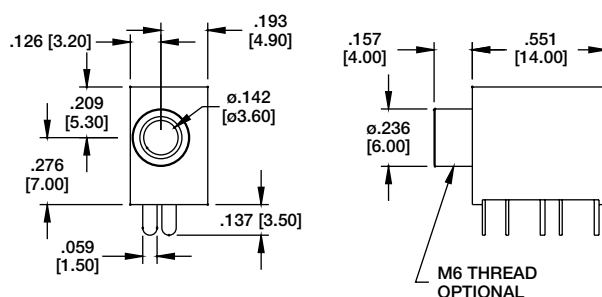


Recommended PCB Layout

ASJ-5



ASJ-5-4A

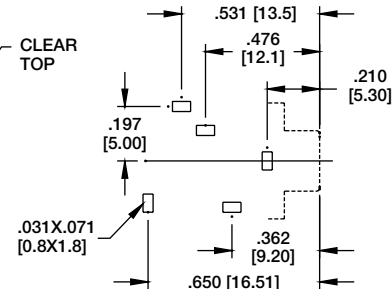
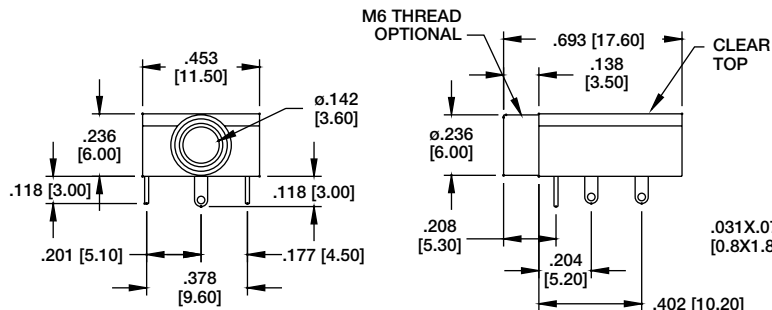


Recommended PCB Layout

ASJ-37



ASJ-37-5-M

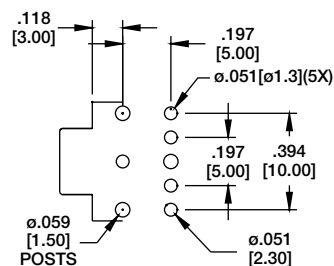
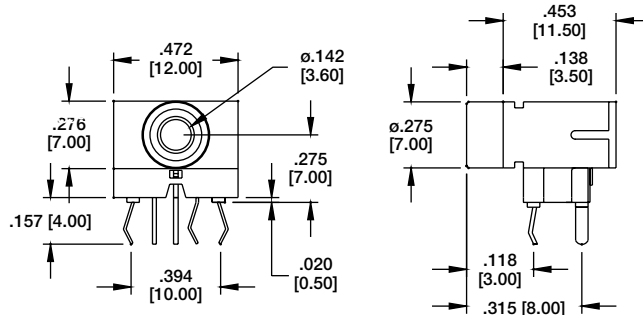


Recommended PCB Layout

ASJ-6

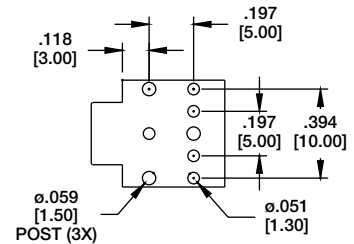
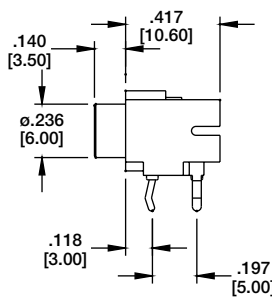


ASJ-6-5

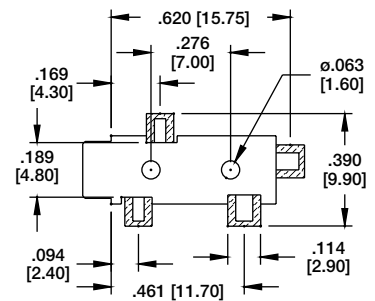
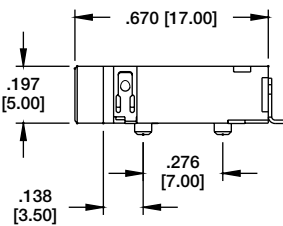
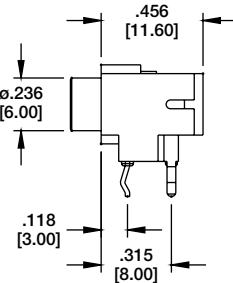


Recommended PCB Layout

CONTACT FORM	FORM 2	FORM 3	FORM 3A	FORM 4A	FORM 4B	FORM 5
SCHEMATIC						

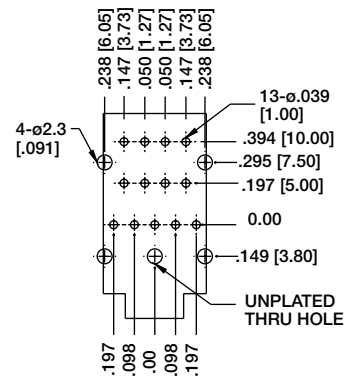
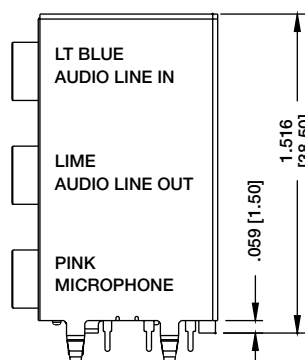


Technical drawing of a three-pin connector. The drawing shows a side view of the connector with three pins labeled A, B, and C. Dimensions are provided in inches and millimeters (in brackets). The overall length is 1.456 [37.00]. The distance from the left edge to the center of pin A is .236 [6.00]. The distance between the centers of pins A and B is .492 [12.50]. The distance from the center of pin C to the right edge is .197 [5.00]. The overall height is .354 [9.00]. The height of the top flange is .256 [6.50]. The diameter of the top flange is $\phi .142$ [3.60]. The drawing also shows the internal structure of the pins and the connector housing.



Front view dimensions:

- Overall width: .496 [12.60]
- Distance from top edge to center of top port: .256 [6.50]
- Distance between centers of top and middle ports: .748 [19.00]
- Distance between centers of middle and bottom ports: .994 [25.25]
- Total height: 1.240 [31.50]
- Port dimensions: 3-ø3.6 [141]

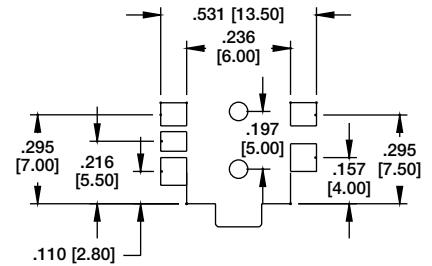
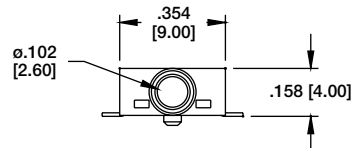
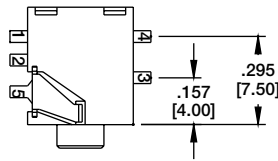
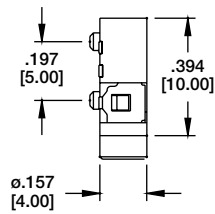


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ASJ-12



ASJ-12-5

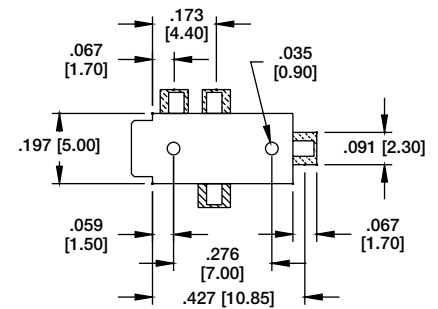
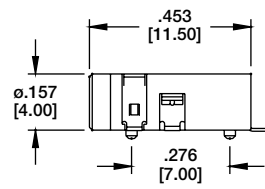
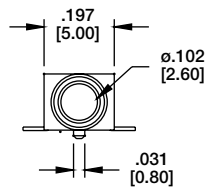


Recommended PCB Layout

ASJ-18



ASJ-18-4B

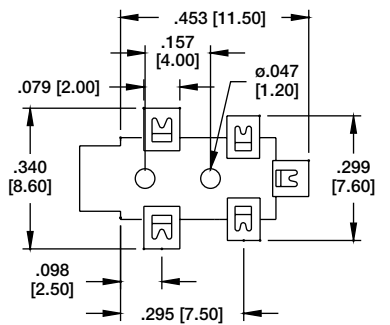
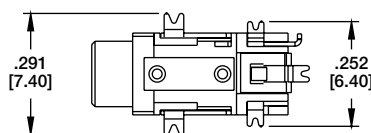
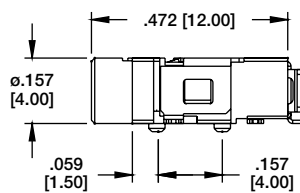
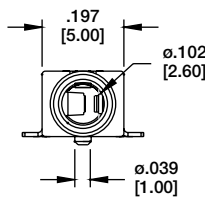


Recommended PCB Layout

ASJ-38

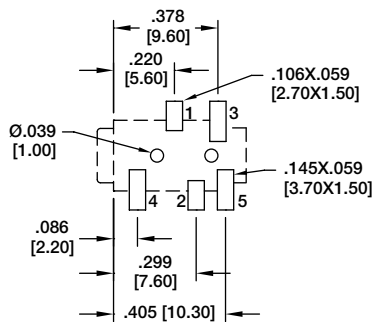
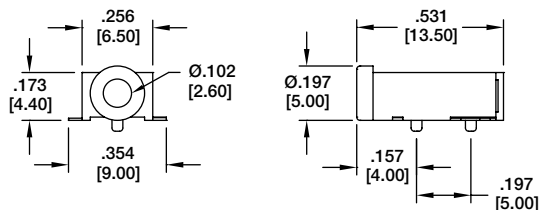


ASJ-38-5



Recommended PCB Layout

ASJ-103



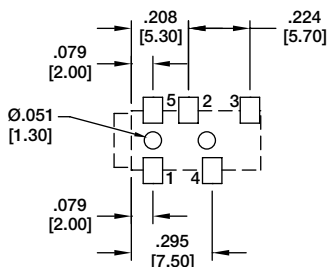
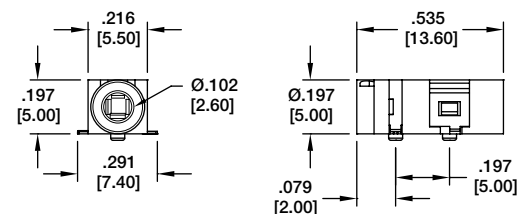
Recommended PCB Layout



ASJ-103-J

ASJ-103-J	ASJ-103-M

ASJ-104



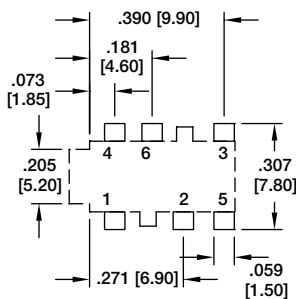
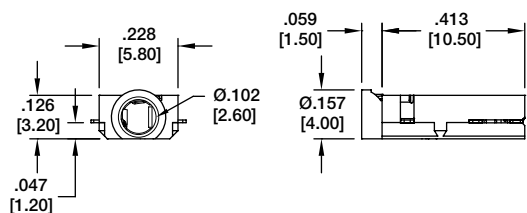
Recommended PCB Layout



ASJ-104-J

ASJ-104-J

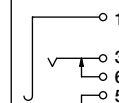
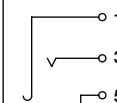
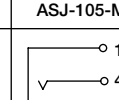
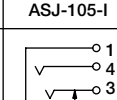
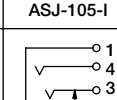
ASJ-105



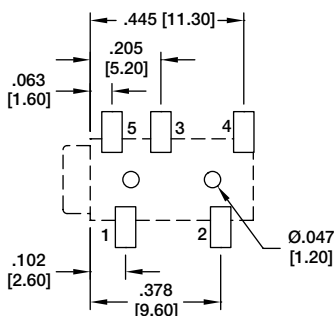
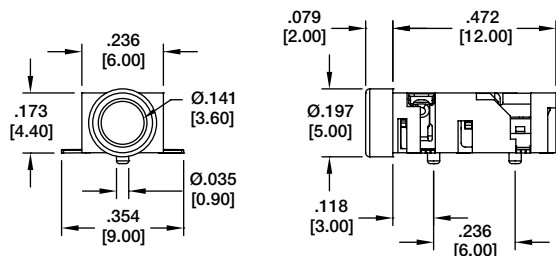
Recommended PCB Layout



ASJ-105-A

	ASJ-105-A	ASJ-105-B	
			
	ASJ-105-D	ASJ-105-M	ASJ-105-I
			

ASJ-106



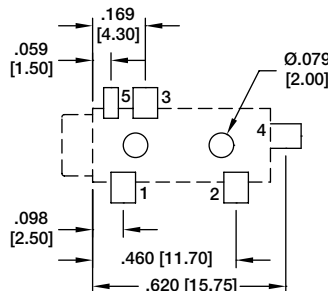
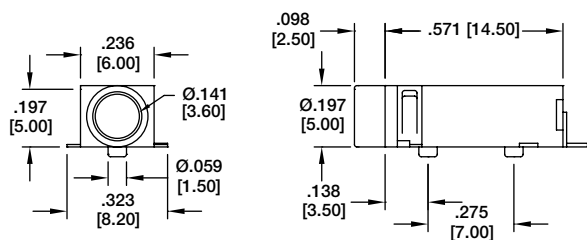
Recommended PCB Layout



ASJ-106-C

	ASJ-106-C	ASJ-106-D	
			
ASJ-106-C	ASJ-106-K	ASJ-106-P	ASJ-106-B
			

ASJ-107



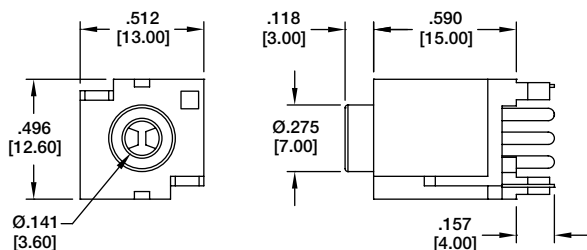
Recommended PCB Layout



ASJ-107-B

ASJ-107-B	ASJ-107-C
ASJ-107-D	ASJ-107-F
ASJ-107-A	

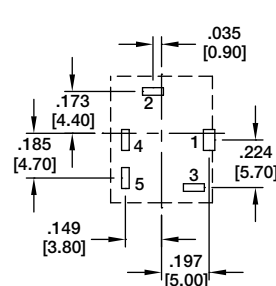
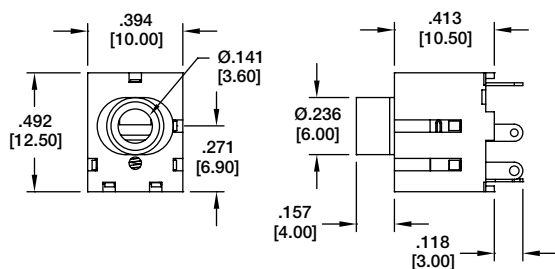
ASJ-108



ASJ-108-A

ASJ-108-A	ASJ-108-B	ASJ-108-C	ASJ-108-D	ASJ-108-G
ASJ-108-F	ASJ-108-L	ASJ-108-N	ASJ-108-K	ASJ-108-W

ASJ-109



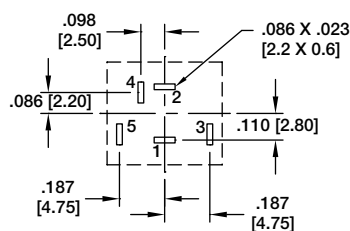
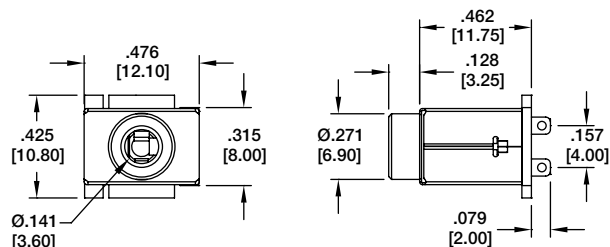
Recommended PCB Layout



ASJ-109-A

ASJ-109-A	ASJ-109-B	ASJ-109-D

ASJ-110



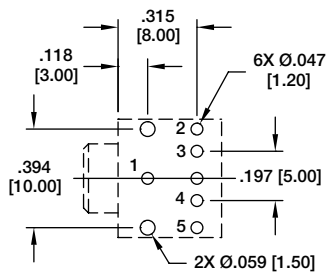
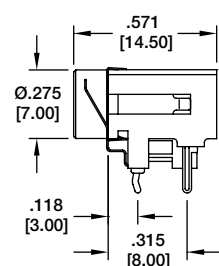
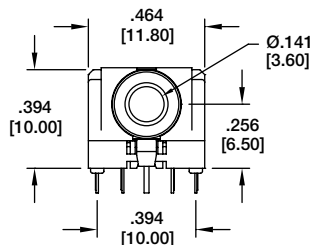
Recommended PCB Layout



ASJ-110-A

ASJ-110-L

ASJ-111



Recommended PCB Layout

ASJ-111-1

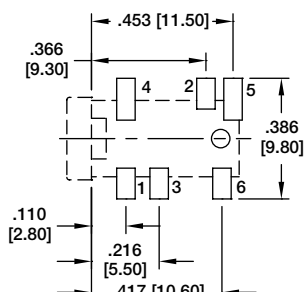
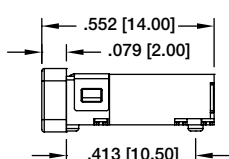
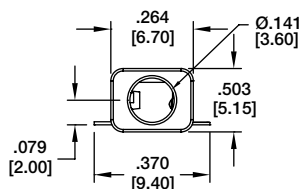


ASJ-111-1	ASJ-111-1A

ASJ-112



ASJ-112-J



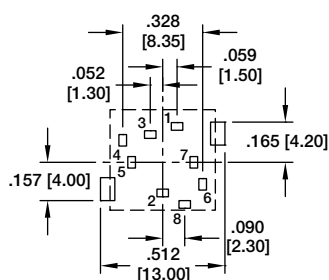
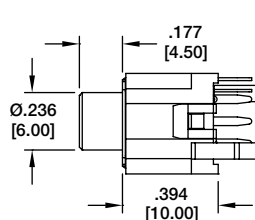
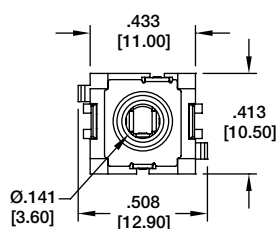
Recommended PCB Layout

ASJ-112-I	ASJ-112-J	ASJ-112-M
ASJ-112-A	ASJ-112-B	ASJ-112-D

ASJ-113



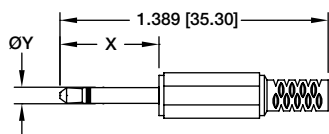
ASJ-113-B



Recommended PCB Layout

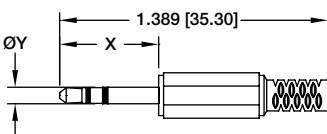
ASJ-113-B	ASJ-113-D
ASJ-113-K	ASJ-113-W

MONO AUDIO PLUG



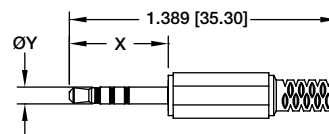
DIMENSION	X	Y
ASP-2.5-M	.468 [11.90]	Ø.098 [2.50]
ASP-3.5-M	.590 [15.00]	Ø.137 [3.50]

STEREO AUDIO PLUG 2 CHANNEL



DIMENSION	X	Y
ASP-2.5-S	.468 [11.90]	Ø.098 [2.50]
ASP-3.5-S	.590 [15.00]	Ø.137 [3.50]

STEREO AUDIO PLUG 3 CHANNEL



DIMENSION	X	Y
ASP-2.5-S3	.468 [11.90]	Ø.098 [2.50]
ASP-3.5-S3	.590 [15.00]	Ø.137 [3.50]

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