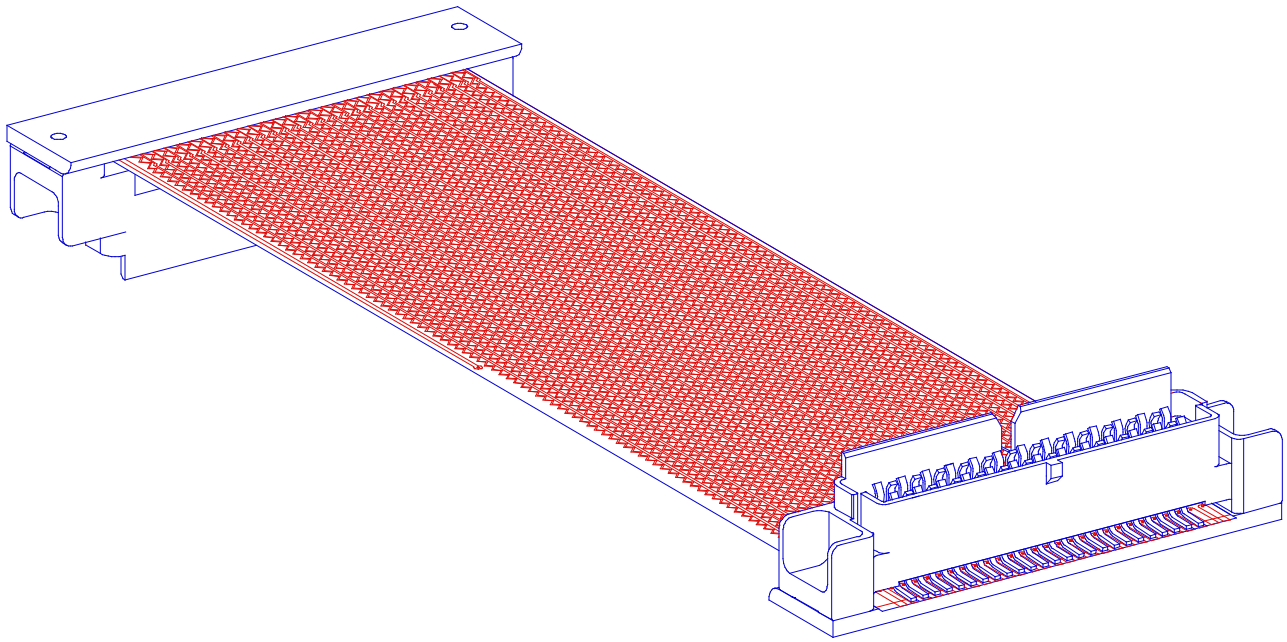


# ALP TEX

## Probes For Fine Pitch Connections



## FlexProbe Extenders

# FlexProbe Extender

## Data/Application Sheets

ALPTEX Part Number	Description
923727	"Hermi"/"Hermi" Connectors, 50 Lead
923728	Plug/Socket Connectors, 56 Lead
923731	Socket/Socket Connectors, 56 Lead

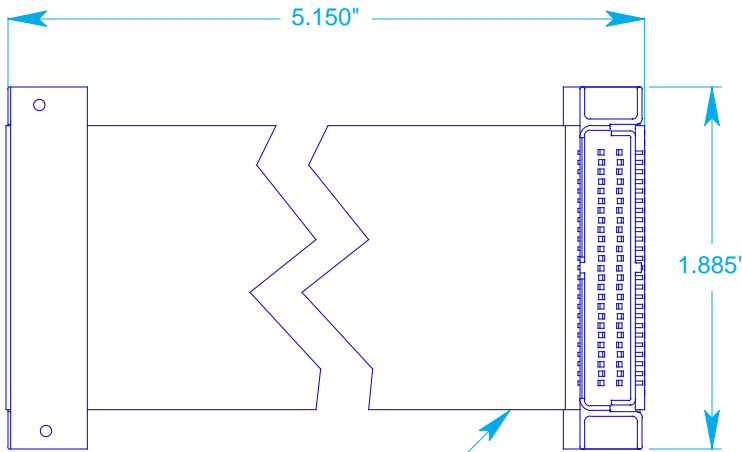
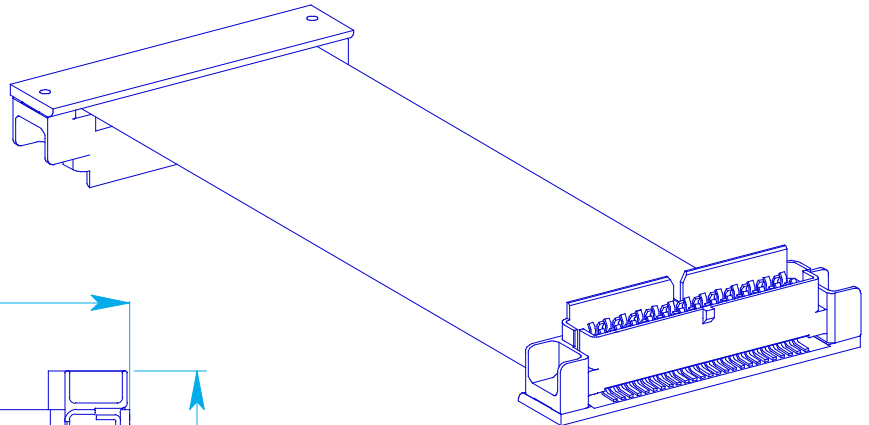
.pdf files are also available for the following:

- 0,5mm (.0197") Pitch TSOP FlexProbes...TSOP\_FP.pdf
- 0,8mm (.0315") Pitch SSOP FlexProbes...SSOP\_FP.pdf
- 1,27mm (.050") Pitch PSOP FlexProbes...PSOP\_FP.pdf
- 1,27mm (.050") Pitch PLCC FlexProbes...PLCC\_FP.pdf
- 0,75mm (.0295") Pitch microBGA FlexProbes...mBGA\_FP.pdf
- 1,00mm (.0394") Pitch BGA FlexProbes...BGA\_FP.pdf

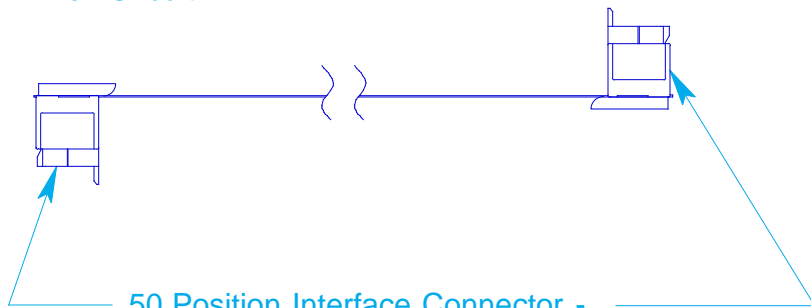
# Hermi to Hermi FlexProbe

( Direct Connect or Extender )

CONTENTS



KAPTON Insulated Flex Circuit



50 Position Interface Connector -  
Mates With MERITEC Surface Mount  
Hermaphroditic Connector  
(ALPTEx Part #923718-50)

**ALPTEx**

# LEADS	PART NUMBER
50	923727-50-nn *

\*nn Represents a serially assigned, unique number which describes the application specific grounding pattern desired. (See reverse side of this Data Sheet.)

APP DATA

## FEATURES:

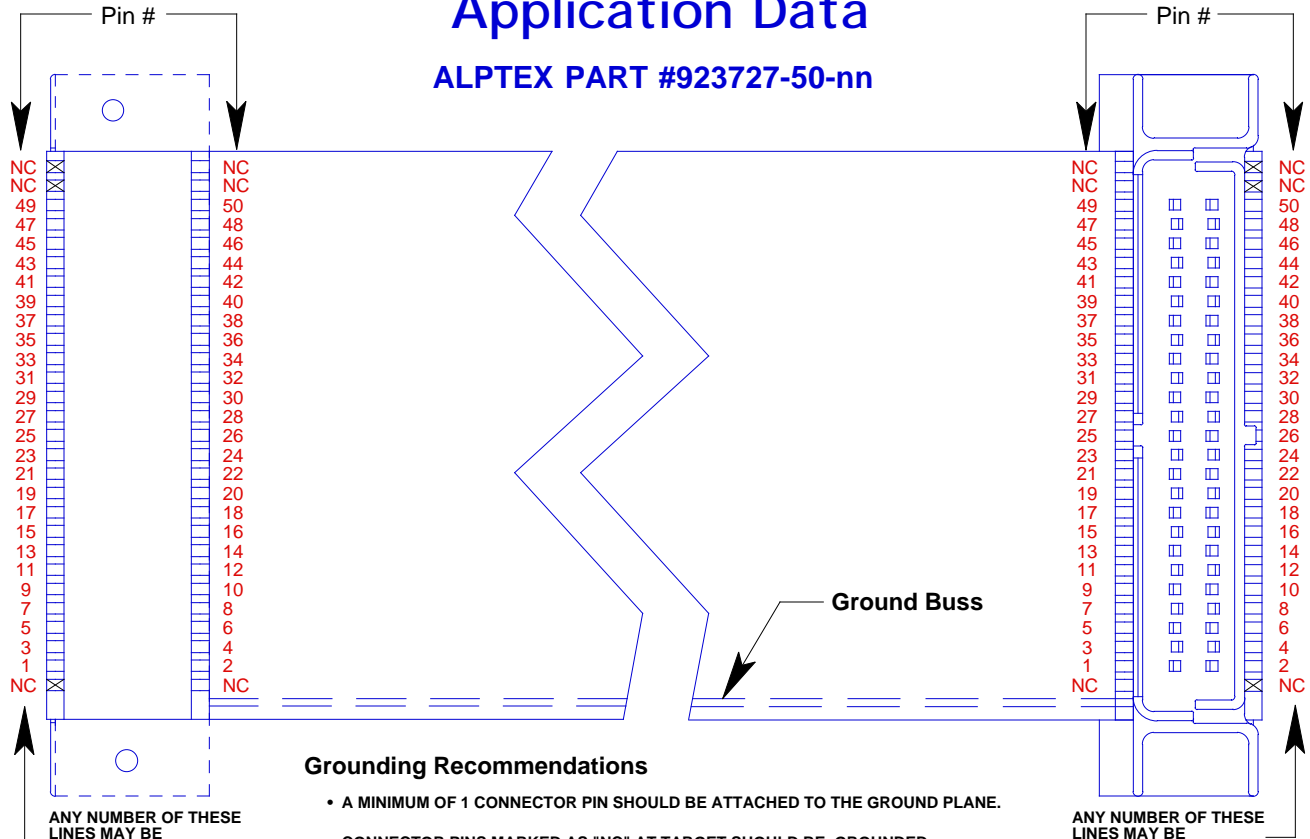
- PERMITS A DIRECT, PARALLEL CONNECTION TO TARGET VIA SEPARATE PORT.
- CAN BE USED AS A FLEXPROBE EXTENDER.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- EMBEDDED GROUND PLANE DESIGNED TO VIRTUALLY ELIMINATE CROSSTALK / EMI PROBLEMS.
- MERITEC HERMAPHRODITIC CONNECTOR PROVIDES A DEPENDABLE AND COMPACT INTERFACE FOR YOUR TEST / EMULATION CIRCUITRY.
- MADE ENTIRELY IN THE U.S.A.
- FLEXPROBES FOR EMULATING POPULAR COMPONENT PACKAGES ARE ALSO AVAILABLE...CONSULT FACTORY.

**ALPTEx** Incorporated  
P.O. Box 476  
Orwell, Ohio 44076  
(440)437-5570 • (440)437-5571 FAX  
[www.alptex.com](http://www.alptex.com)

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# Hermi to Hermi FlexProbe Application Data

**ALPTEx PART #923727-50-nn**



### Grounding Recommendations

- A MINIMUM OF 1 CONNECTOR PIN SHOULD BE ATTACHED TO THE GROUND PLANE.
- CONNECTOR PINS MARKED AS "NC" AT TARGET SHOULD BE GROUNDED.

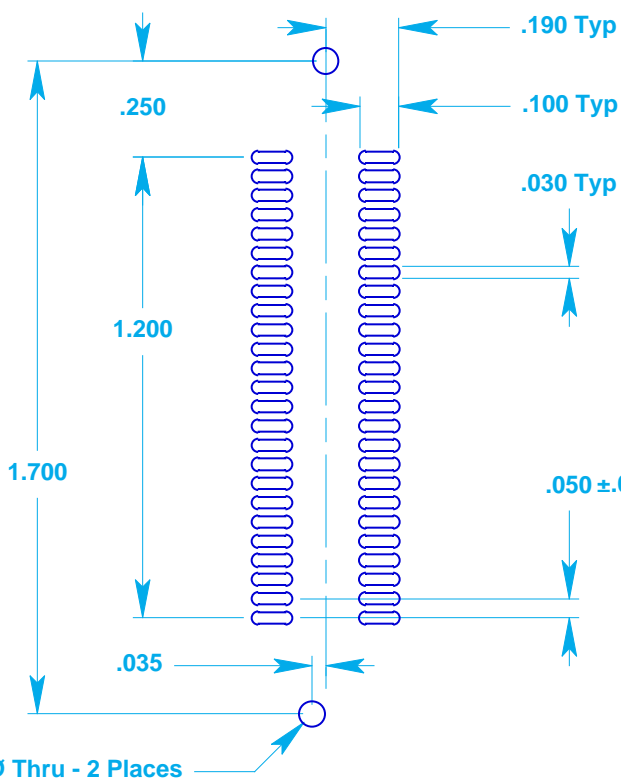
☒ = CONNECTION TO GROUND BUSS.

ANY NUMBER OF THESE LINES MAY BE TERMINATED TO GROUND AT THIS END. PLEASE SPECIFY WHEN ORDERING.

ANY NUMBER OF THESE LINES MAY BE TERMINATED TO GROUND AT THIS END. PLEASE SPECIFY WHEN ORDERING.

CONTENTS

PRODUCT INFO



### P C Board Pad Pattern For Mating MERITEC Connector ALPTEx Part #923718-50

(Solder Pads - Near Side)

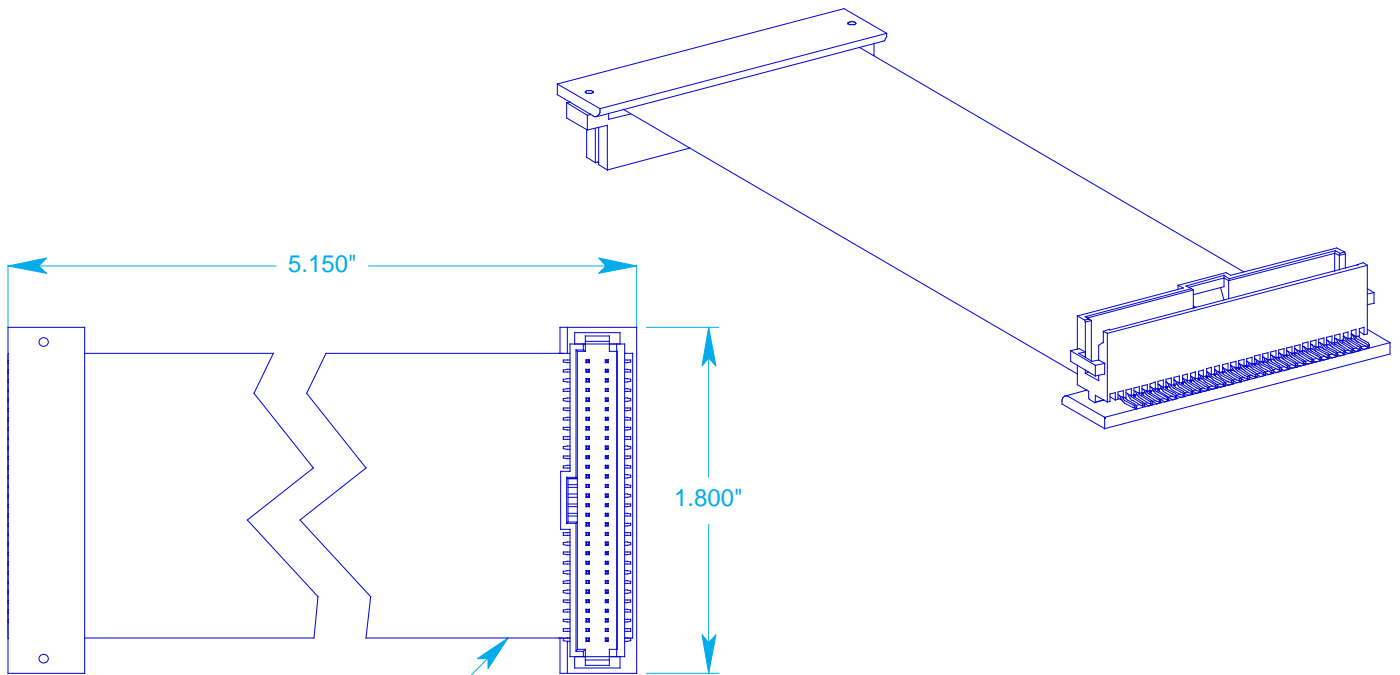
.050 ±.003 - 24 Places Tolerance Non-Accumulative

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# Amp Socket to Plug FlexProbe

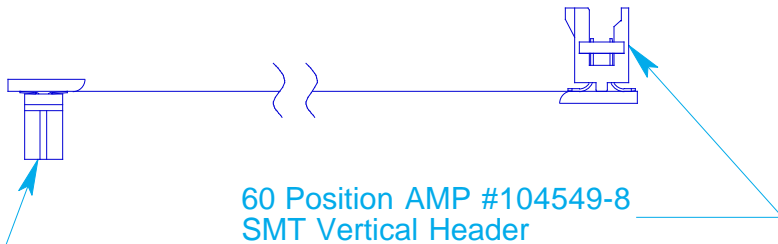
( Direct Connect or Extender )



KAPTON Insulated Flex Circuit

ALPTEx	
# LEADS	PART NUMBER
56	923728-56-nn

\*nn Represents a serially assigned, unique number which describes the application specific grounding pattern desired. (See reverse side of this Data Sheet.)



60 Position AMP #104549-8 SMT Vertical Header

60 Position Interface Connector - Mates With AMP #104549-8 SMT Vertical Header

## FEATURES:

- PERMITS A DIRECT, PARALLEL CONNECTION TO TARGET VIA SEPARATE PORT.
- CAN BE USED AS A FLEXPROBE EXTENDER.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- EMBEDDED GROUND PLANE DESIGNED TO VIRTUALLY ELIMINATE CROSSTALK / EMI PROBLEMS.
- MADE ENTIRELY IN THE U.S.A.
- FLEXPROBES FOR EMULATING POPULAR COMPONENT PACKAGES ARE ALSO AVAILABLE...CONSULT FACTORY.

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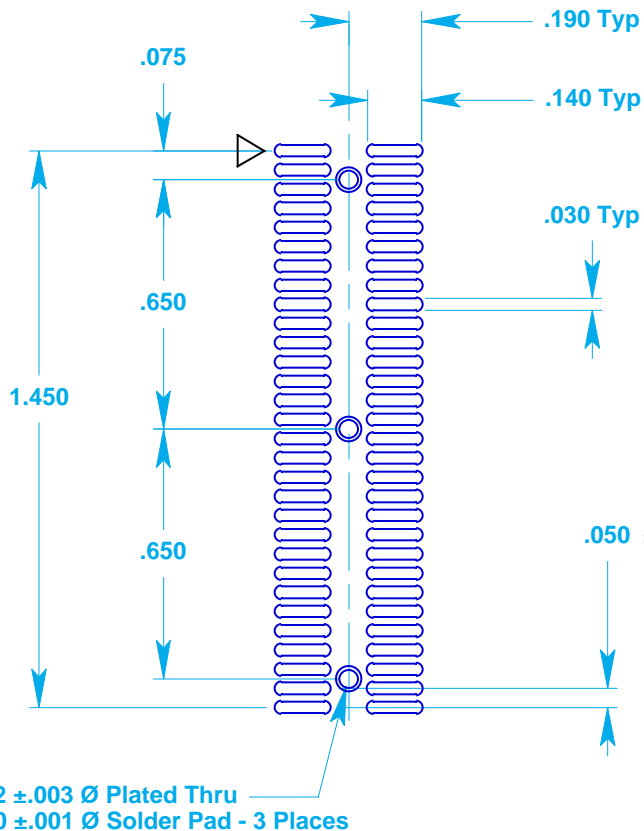
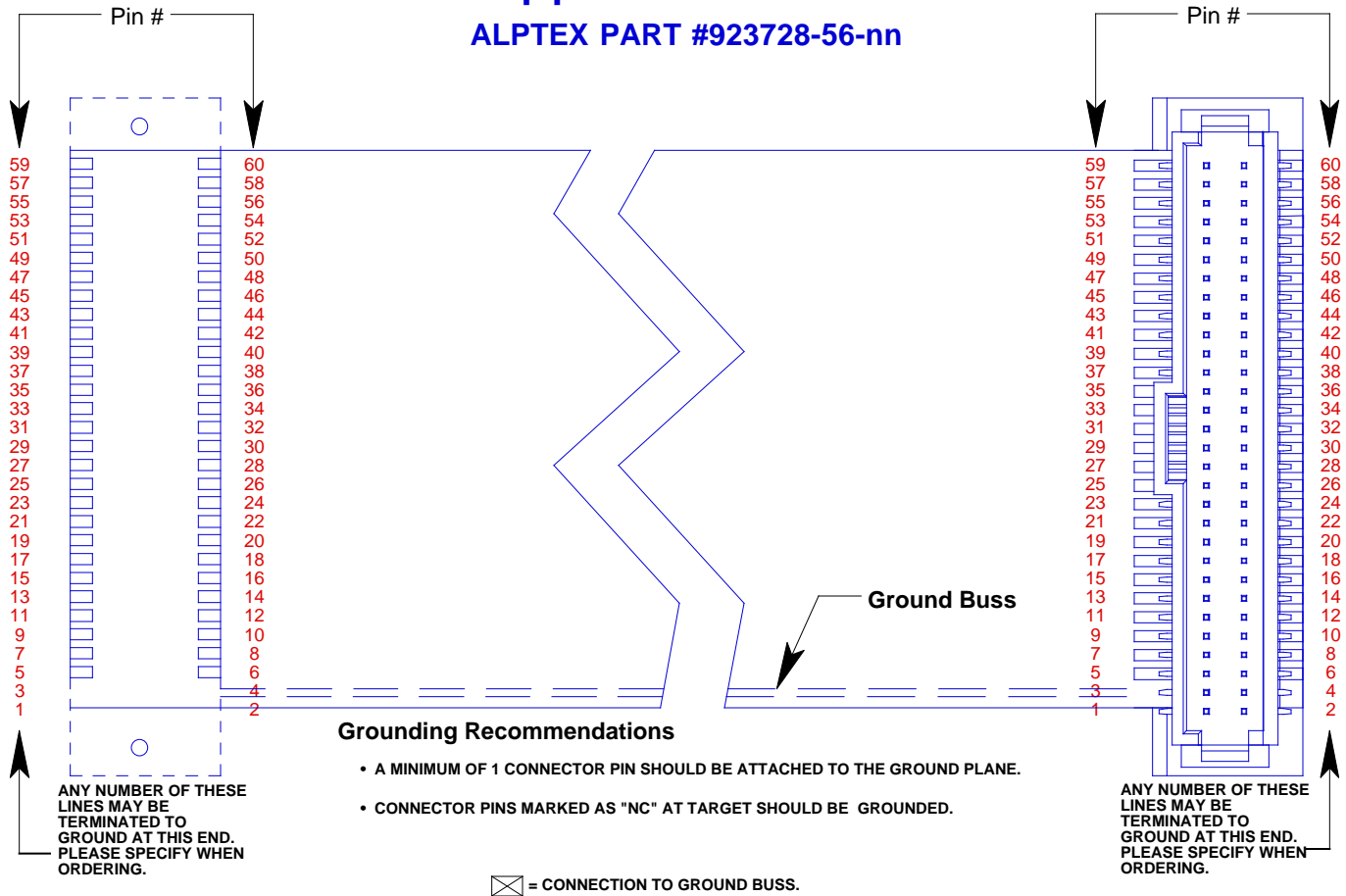
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# Amp Socket to Plug FlexProbe Application Data

ALPTEX PART #923728-56-nn



**P C Board Pad Pattern  
For Mating AMP Connector  
AMP #104549-8  
(Solder Pads - Near Side)**

**ALP  
TEX** Incorporated

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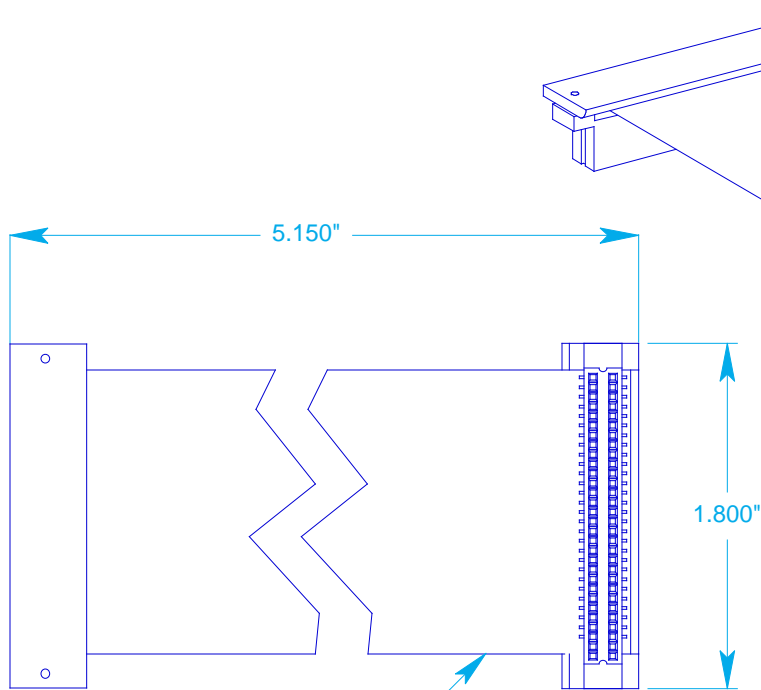
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CONTENTS

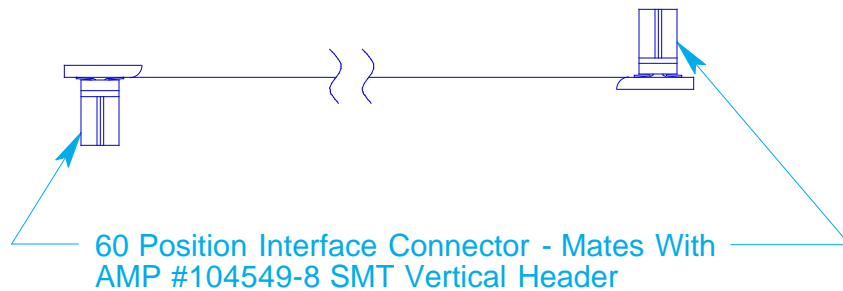
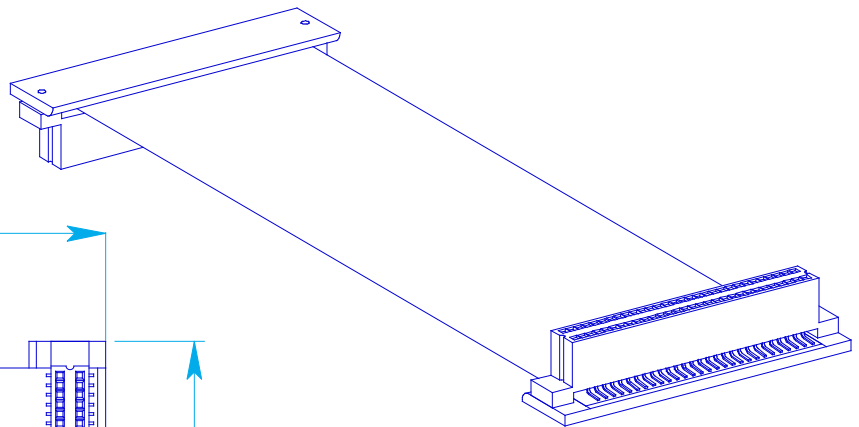
PRODUCT INFO

# Amp Socket to Amp Socket FlexProbe

(Direct Connect)



KAPTON Insulated Flex Circuit



ALPTEX	
# LEADS	PART NUMBER
56	923731-56-nn

\*nn Represents a serially assigned, unique number which describes the application specific grounding pattern desired. (See reverse side of this Data Sheet.)

## FEATURES:

- PERMITS A DIRECT, PARALLEL CONNECTION TO TARGET VIA SEPARATE PORT.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- EMBEDDED GROUND PLANE DESIGNED TO VIRTUALLY ELIMINATE CROSSTALK / EMI PROBLEMS.
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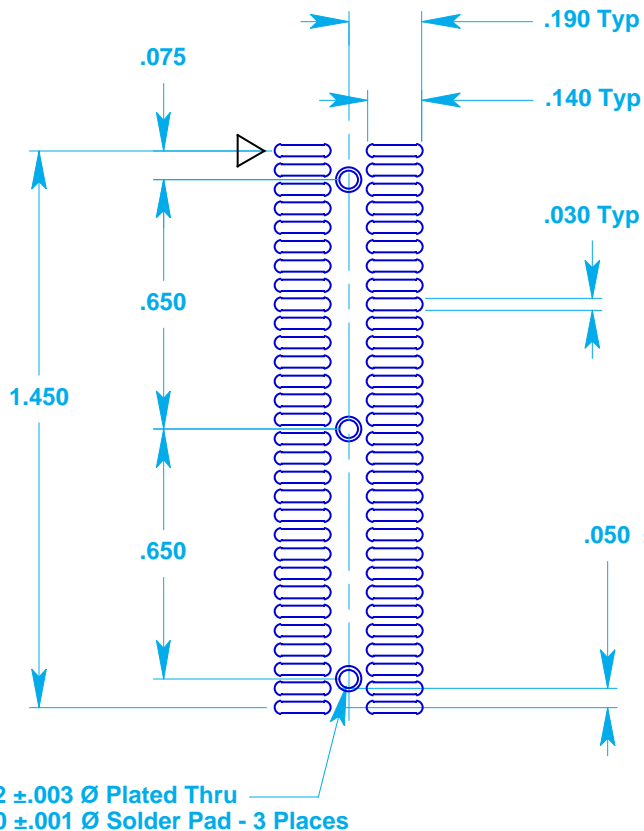
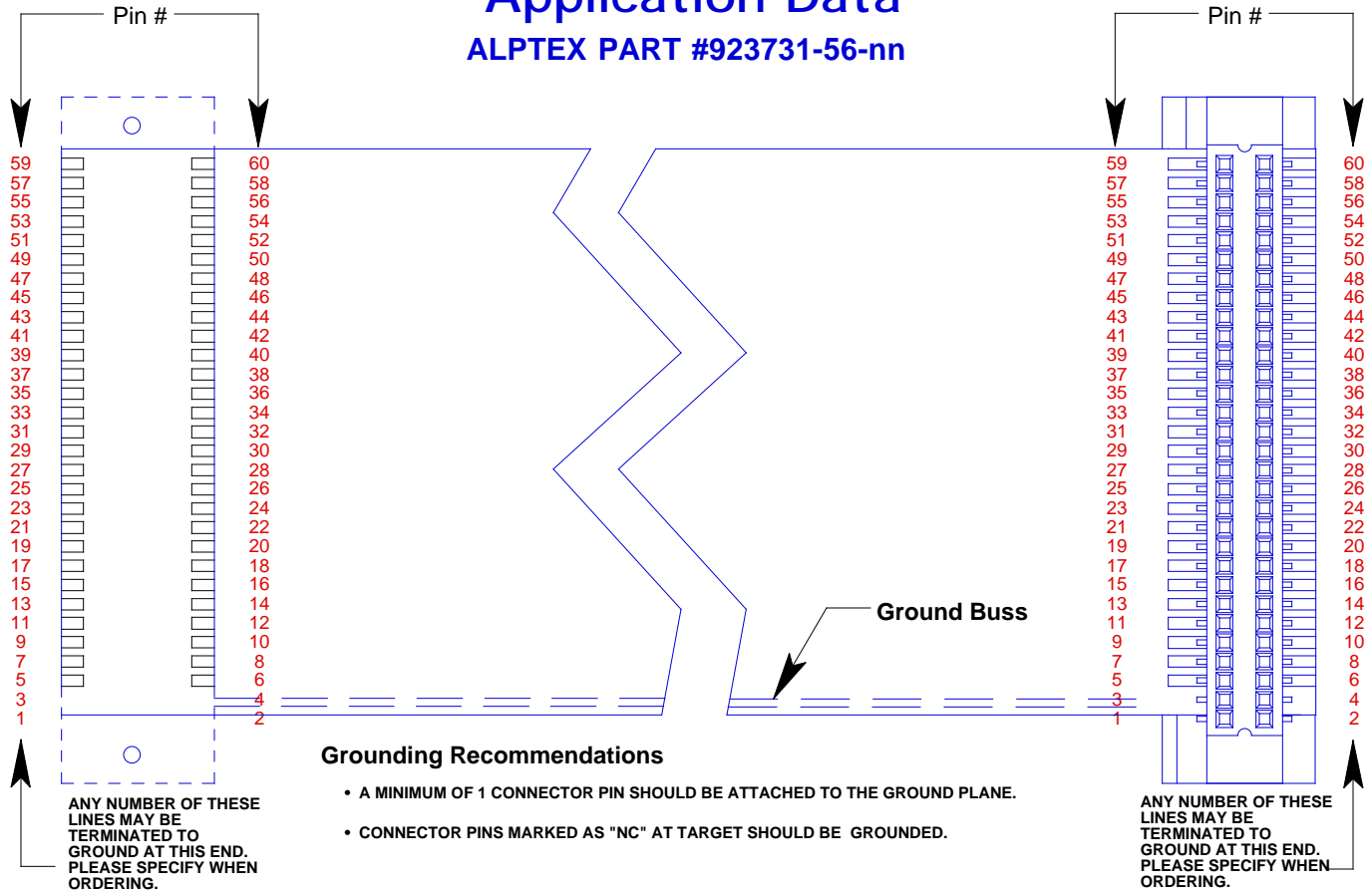
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# Amp Socket to Amp Socket FlexProbe

## Application Data

ALPTEX PART #923731-56-nn



### P C Board Pad Pattern For Mating AMP Connector AMP #104549-8

(Solder Pads - Near Side)

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