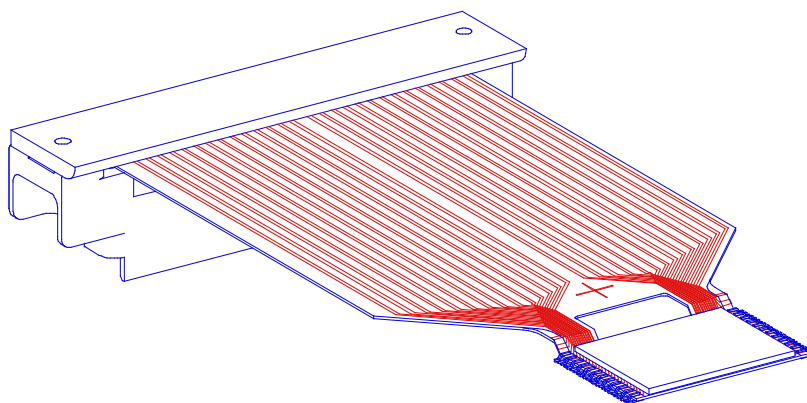


# ALP TEX

## Probes For Fine Pitch Connections



### TSOP FlexProbes 0,50mm (.0197") Pitch

# TSOP FlexProbes 0,50mm (.0197") Pitch

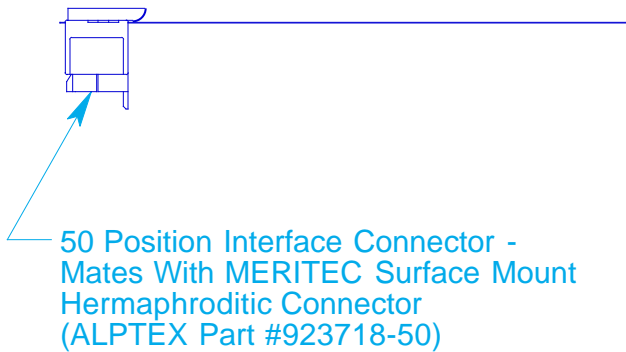
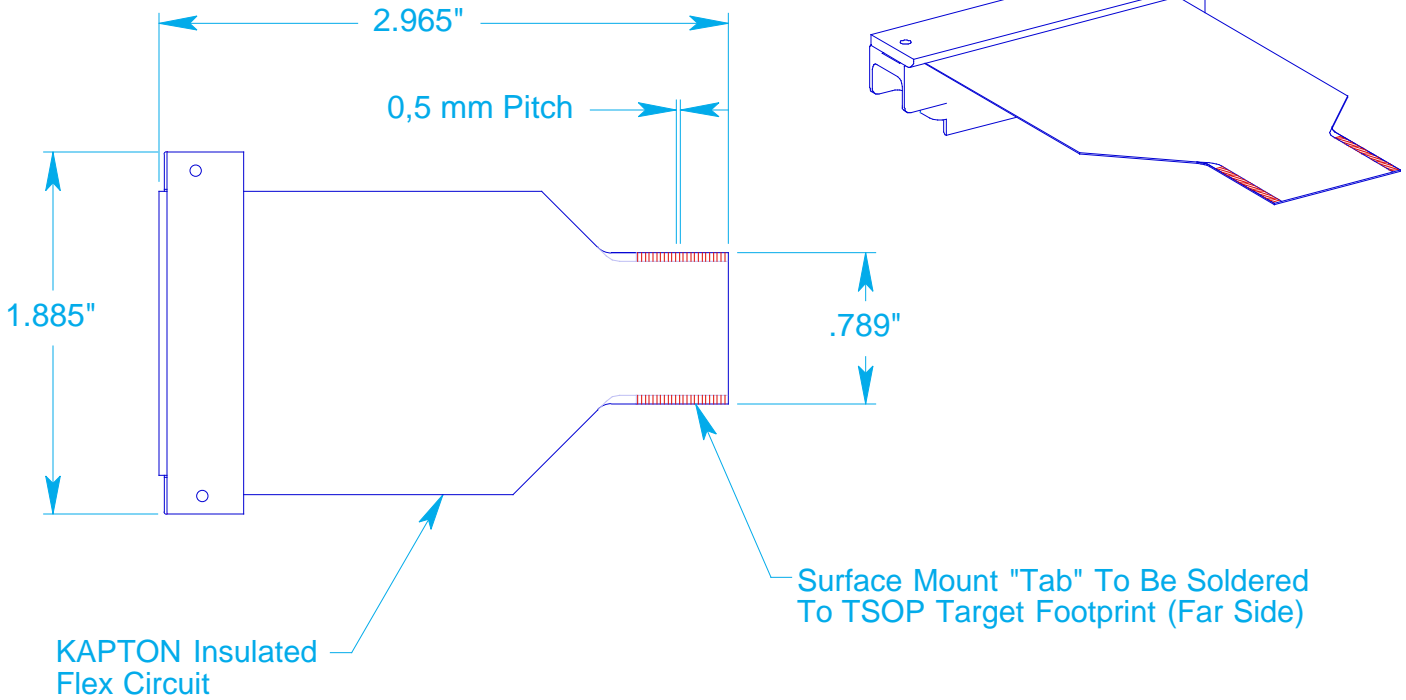
## Data/Application Sheets

ALPTEX Part Number	Description
923706	Standard Pinout, "Hermi" Connector, Direct Solder Type, 32/40/48 Lead
923707	Standard Pinout, "Hermi" Connector, Socket Type, 40/48 Lead
923710	Standard Pinout, Socket Connector, Socket Type, 40/48/56 Lead
923712	Standard Pinout, Socket Connector, Direct Solder Type, 32/40/48/56 Lead
923723	Reverse Pinout, "Hermi" Connector, Socket Type, 40/48 Lead
923724	Reverse Pinout, "Hermi" Connector, Socket Type, 40/48/56 Lead

.pdf files are also available for the following:

- 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
- FlexProbe Extenders...EXTENDFP.pdf

# TSOP FlexProbe (Direct Solder)



ALPTEx		
PACKAGE	# LEADS	PART NUMBER
TSOP	32	923706-32
	40	923706-40
	48	923706-48

## FEATURES:

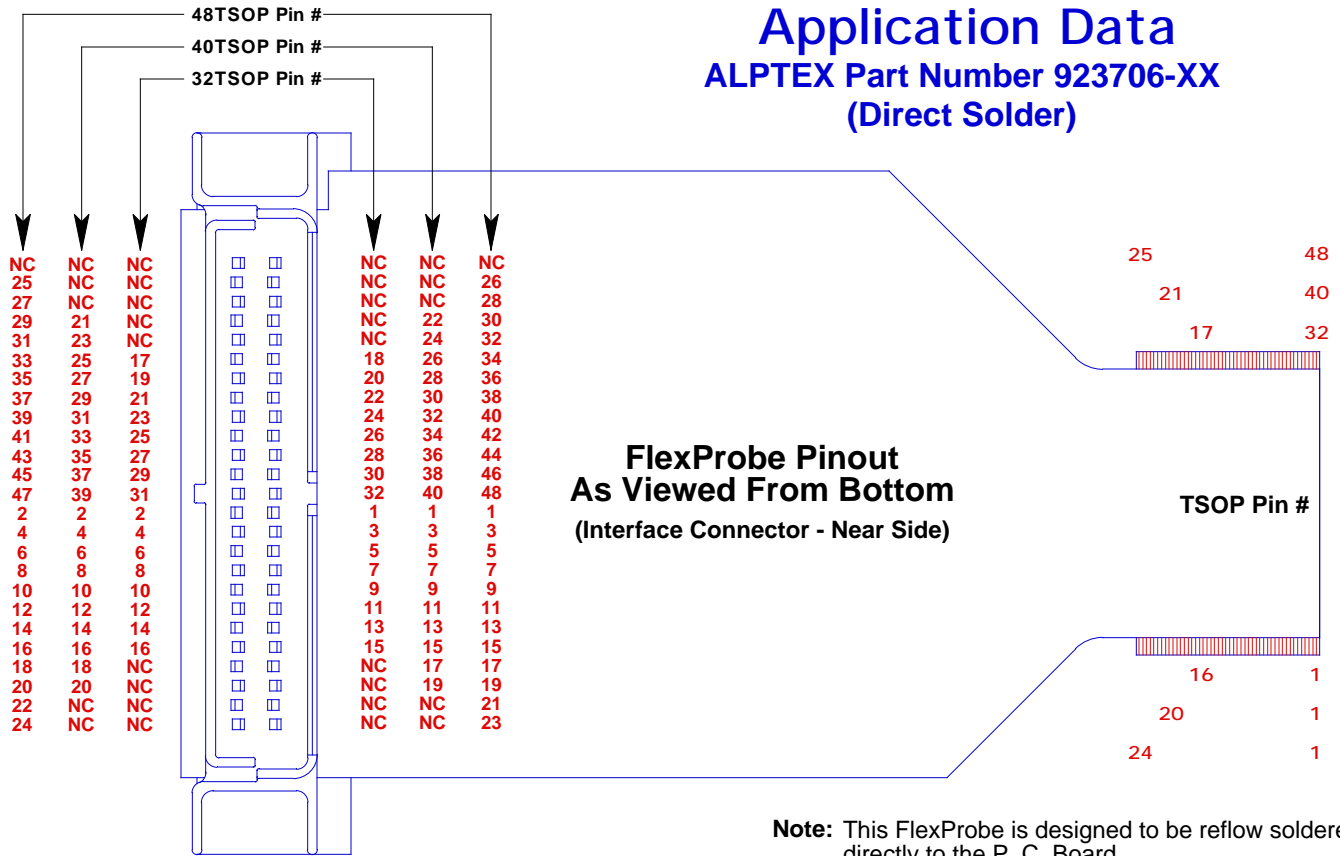
- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE TARGET PADS.
- A UNIQUE SOLUTION FOR CONNECTING DIRECTLY TO YOUR P. C. BOARD.
- REFLOW SOLDERS TO STANDARD TSOP PAD PATTERN.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- COMPACT LENGTH VIRTUALLY ELIMINATES 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 OTHER POPULAR COMPONENT PACKAGES ARE ALSO AVAILABLE...CONSULT FACTORY.

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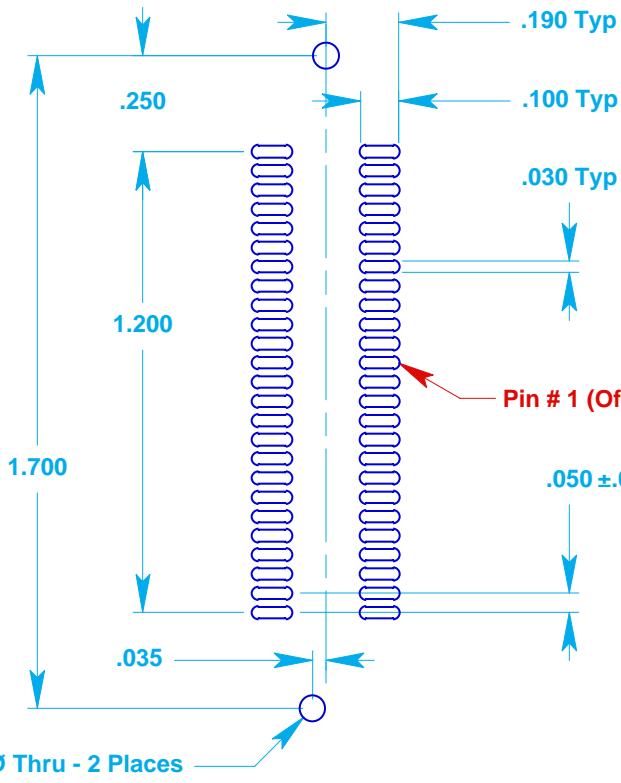
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# TSOP FlexProbe Application Data

ALPTEX Part Number 923706-XX  
(Direct Solder)



**Note:** This FlexProbe is designed to be reflow soldered directly to the P. C. Board. It is not intended for use with sockets.

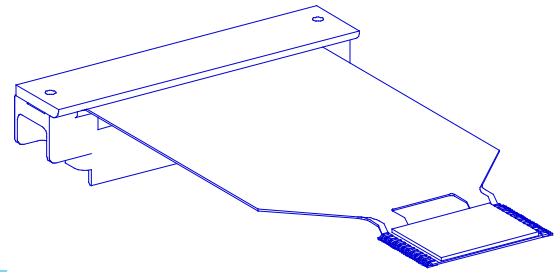
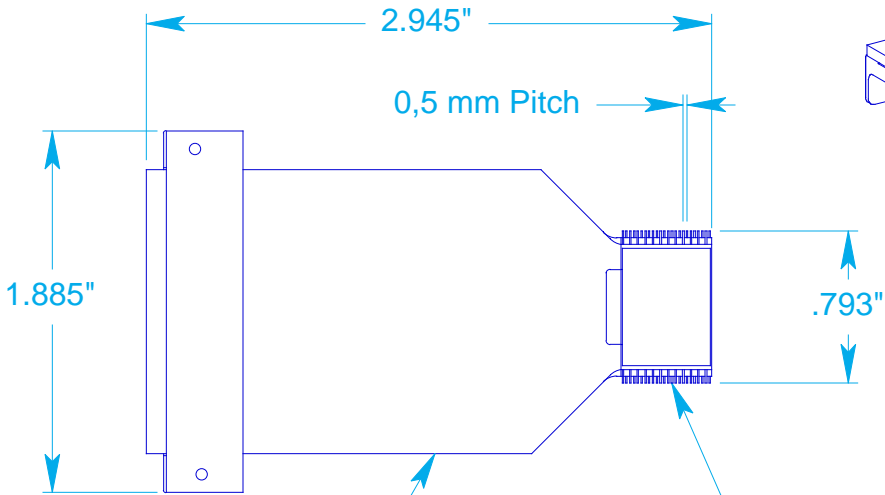


**P C Board Pad Pattern  
For Mating MERITEC Connector  
ALPTEX Part #923718-50  
(Solder Pads - Near Side)**

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# TSOP FlexProbe



KAPTON Insulated Flex Circuit

TSOP Target Connector - Mates With MERITEC TSOP Socket #980020-XX-XX (ALPTEX Part #923719 or #923720)



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

ALPTEX		
PACKAGE	# LEADS	PART NUMBER
TSOP	40	923707-40
	48	923707-48

## FEATURES:

- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE SOCKET.
- A UNIQUE SOLUTION FOR CONNECTING TO MERITEC TSOP SOCKETS.
- FITS INTO SOCKET LIKE A COMPONENT PACKAGE.
- UTILIZES THE MERITEC SOCKET'S "POSITIVE LOCK" FEATURE TO MAINTAIN A SECURE CONNECTION DURING USE.
- SPRING TEMPER NICKEL-SILVER CONTACTS EXCEED INDUSTRY COMPONENT LEAD REQUIREMENTS.
- COMPACT LENGTH VIRTUALLY ELIMINATES 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 OTHER POPULAR COMPONENT PACKAGES ARE ALSO AVAILABLE...CONSULT FACTORY.

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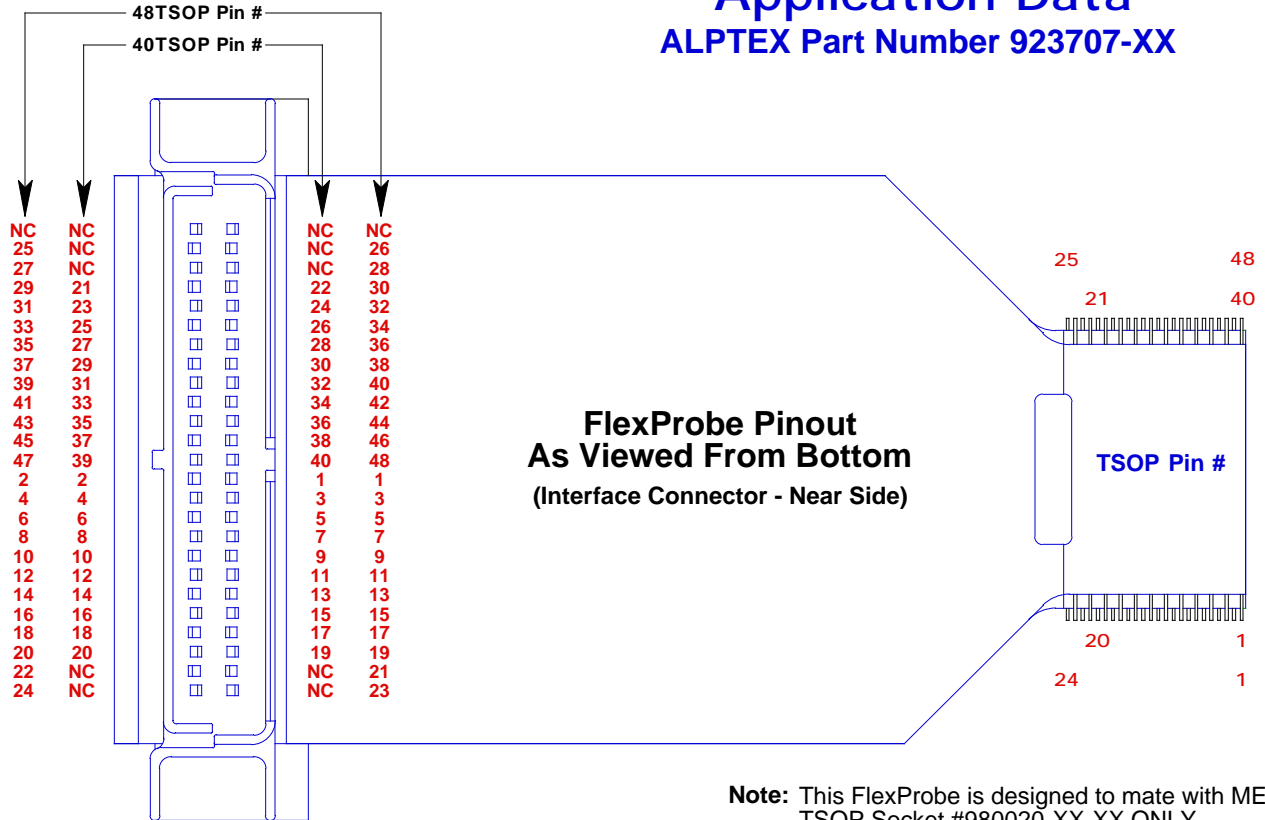
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CONTENTS

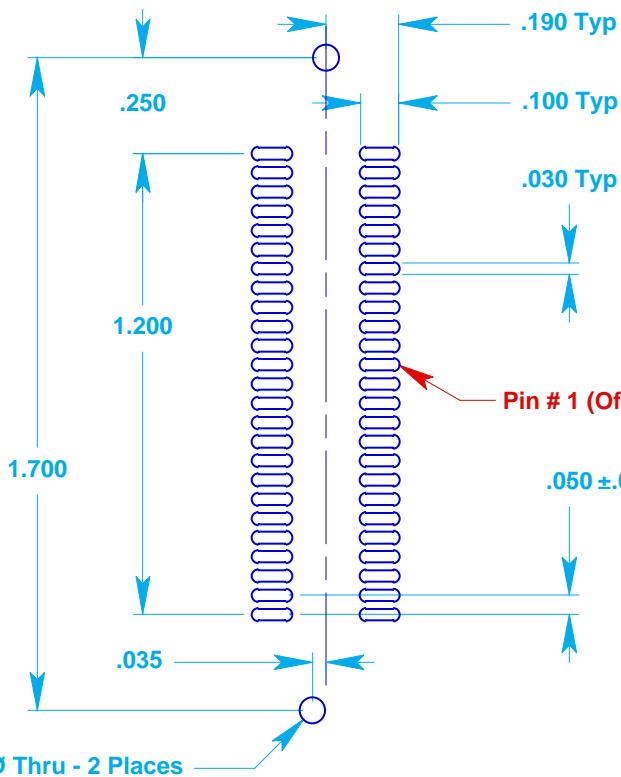
APP DATA

# TSOP FlexProbe Application Data

## ALPTEX Part Number 923707-XX



**Note:** This FlexProbe is designed to mate with MERITEC TSOP Socket #980020-XX-XX ONLY. It is not intended for use with other sockets or in solder down applications.



### P C Board Pad Pattern For Mating MERITEC Connector

#### ALPTEX Part #923718-50

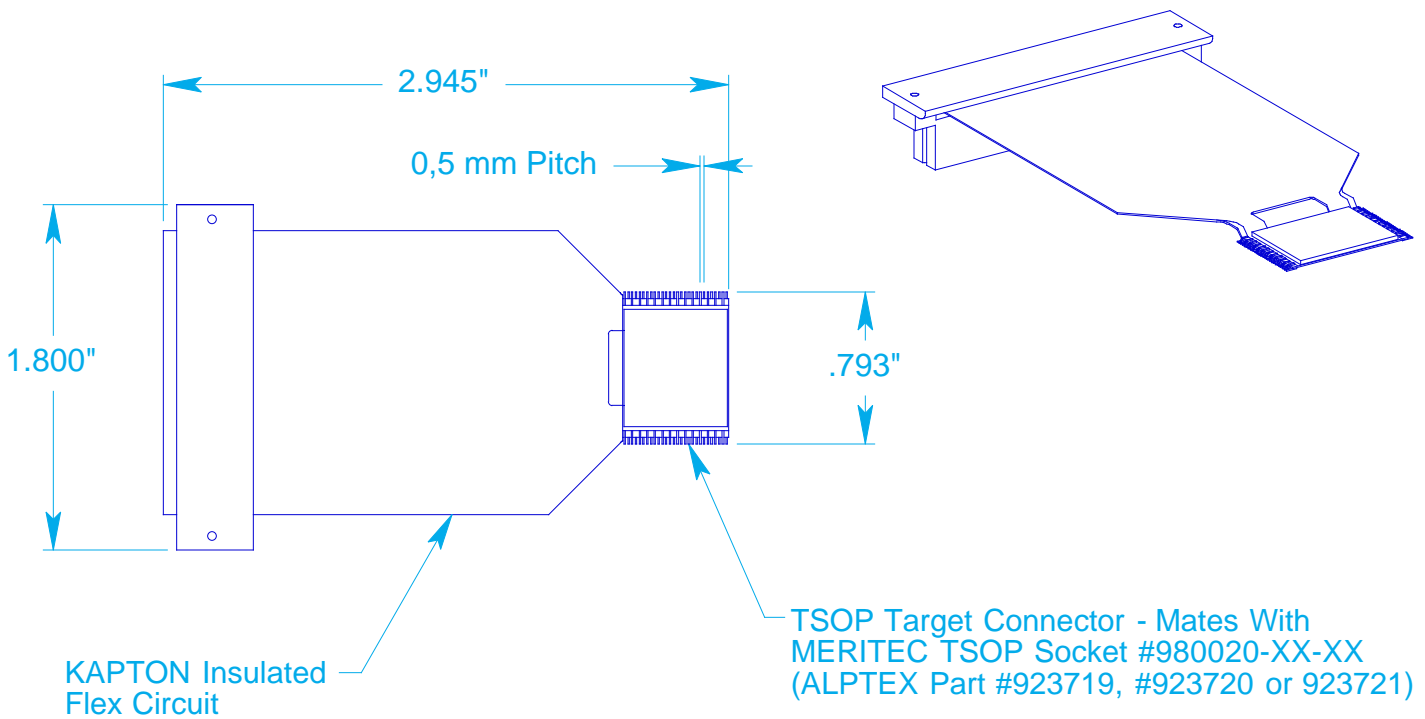
(Solder Pads - Near Side)

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# TSOP FlexProbe



		ALPTEX
PACKAGE	# LEADS	PART NUMBER
TSOP	40	923710-40
	48	923710-48
	56	923710-56

## FEATURES:

- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE SOCKET.
- A UNIQUE SOLUTION FOR CONNECTING TO MERITEC TSOP SOCKETS.
- FITS INTO SOCKET LIKE A COMPONENT PACKAGE.
- UTILIZES THE MERITEC SOCKET'S "POSITIVE LOCK" FEATURE TO MAINTAIN A SECURE CONNECTION DURING USE.
- SPRING TEMPER NICKEL-SILVER CONTACTS EXCEED INDUSTRY COMPONENT LEAD REQUIREMENTS.
- COMPACT LENGTH VIRTUALLY ELIMINATES CROSSTALK / EMI PROBLEMS.
- MADE ENTIRELY IN THE U.S.A.
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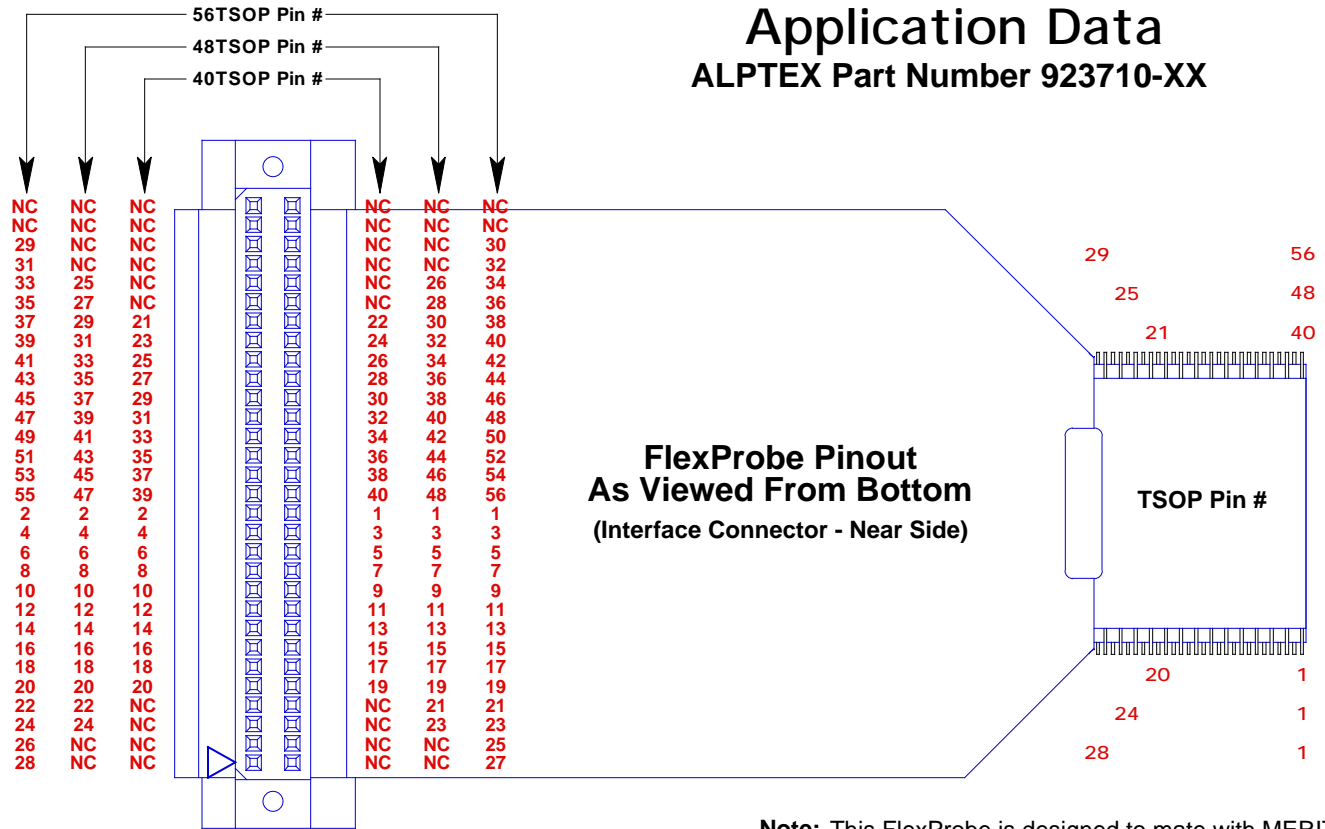
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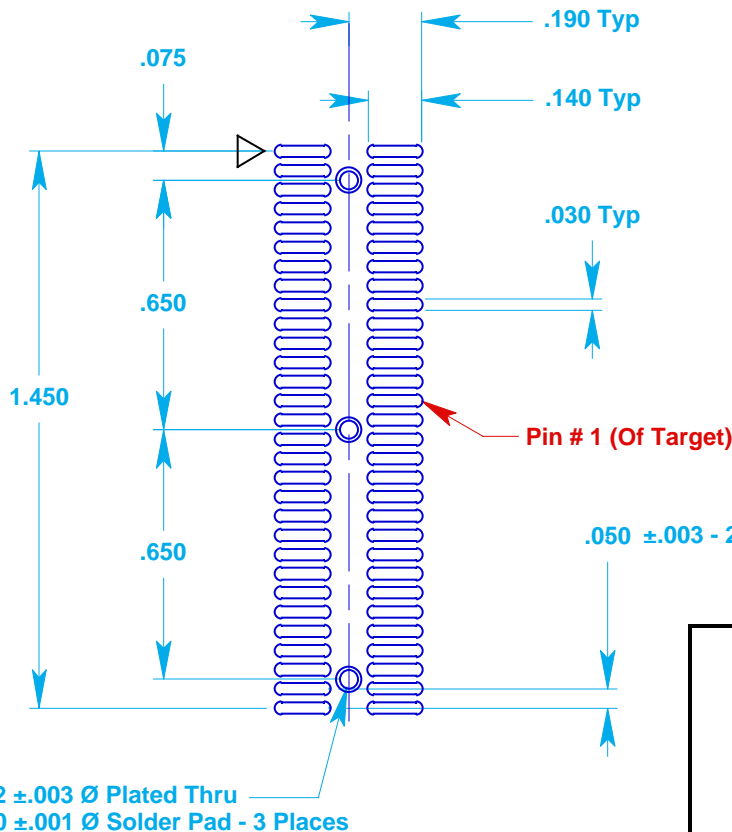
APP DATA

# TSOP FlexProbe Application Data

ALPTEX Part Number 923710-XX



**Note:** This FlexProbe is designed to mate with MERITEC TSOP Socket #980020-XX-XX ONLY. It is not intended for use with other sockets or in solder down applications.



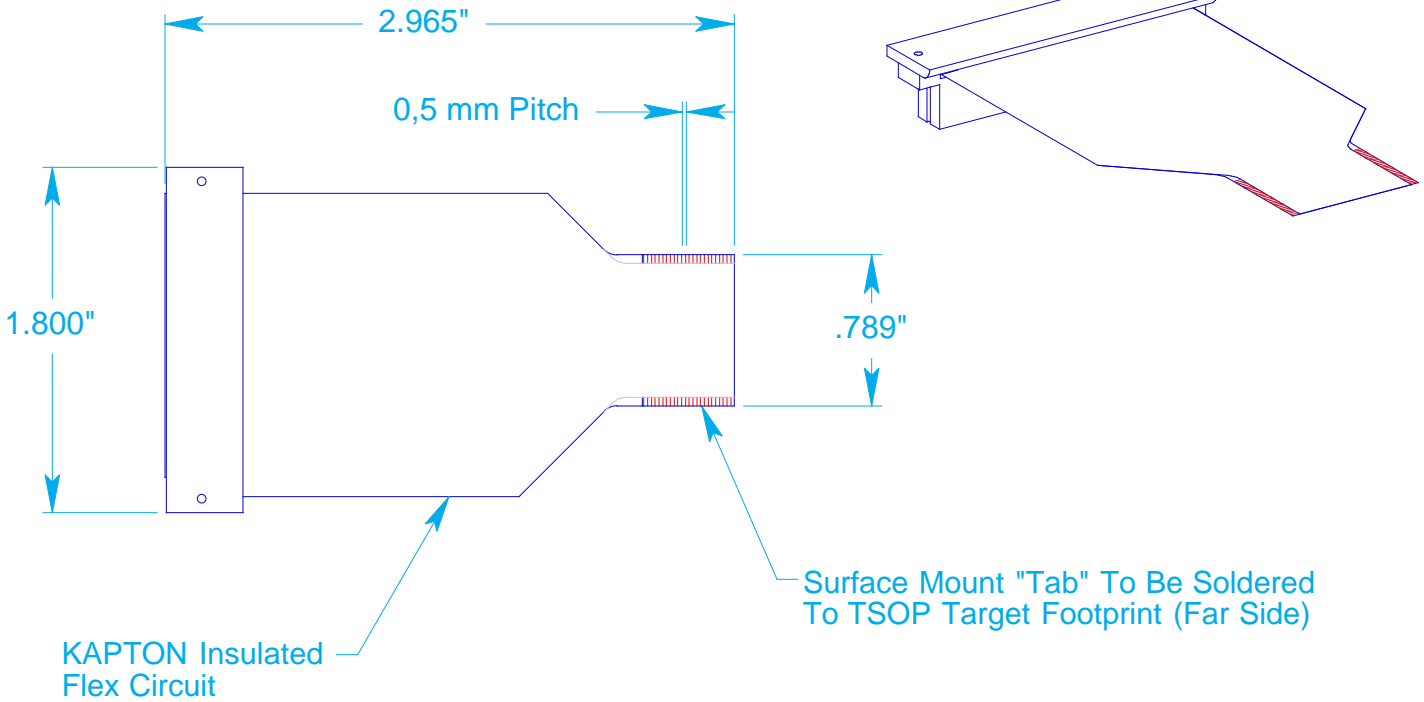
**P C Board Pad Pattern  
For Mating AMP Connector  
AMP #104549-8**  
(Solder Pads - Near Side)

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# TSOP FlexProbe (Direct Solder)



ALPTEX		
PACKAGE	# LEADS	PART NUMBER
TSOP	32	923712-32
	40	923712-40
	48	923712-48
	56	923712-56

## FEATURES:

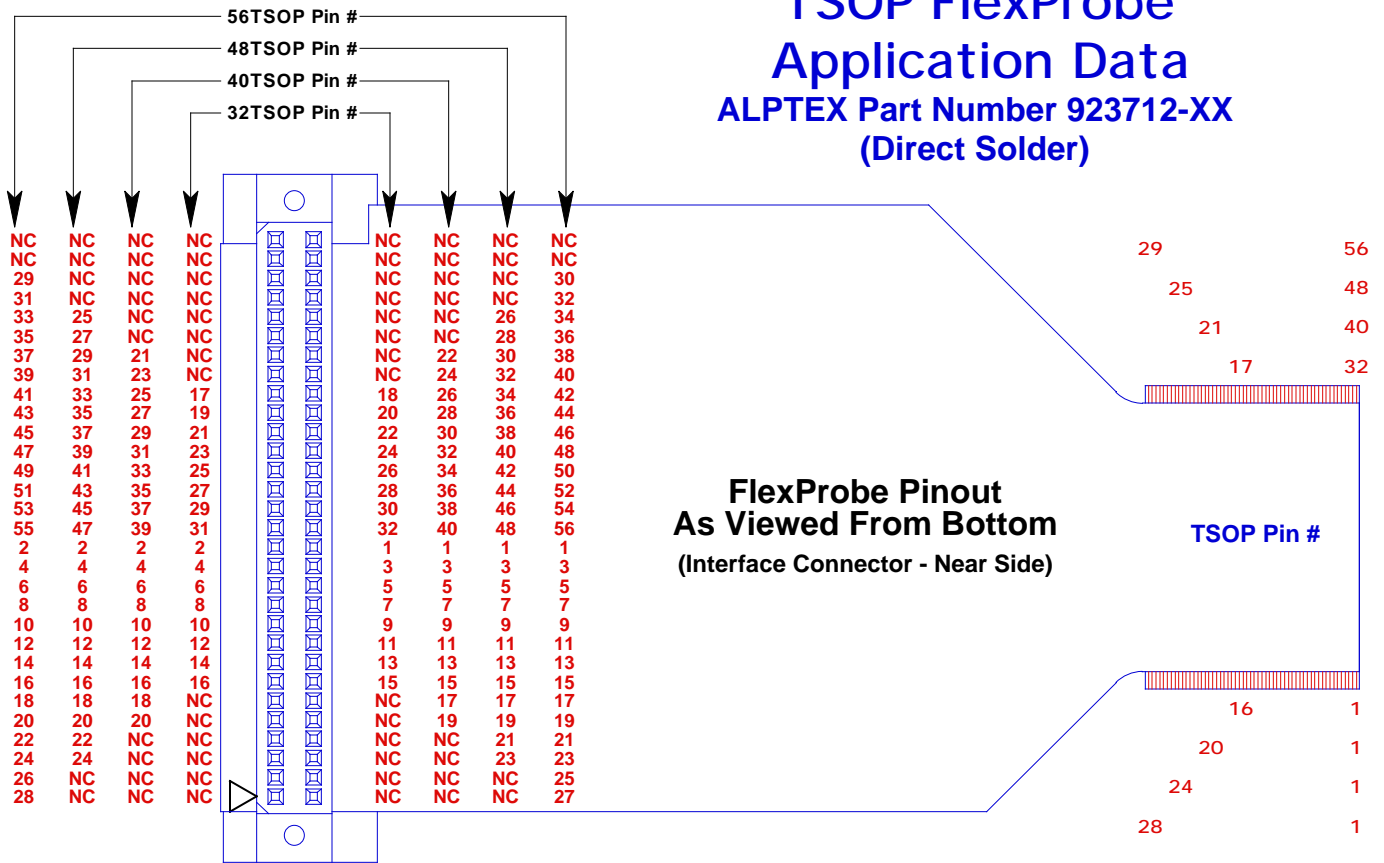
- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE TARGET PADS.
- A UNIQUE SOLUTION FOR CONNECTING DIRECTLY TO YOUR P. C. BOARD.
- REFLOW SOLDERS TO STANDARD TSOP PAD PATTERN.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- COMPACT LENGTH VIRTUALLY ELIMINATES CROSSTALK / EMI PROBLEMS.
- MADE ENTIRELY IN THE U.S.A.
- FLEXPROBES FOR EMULATING OTHER POPULAR COMPONENT PACKAGES ARE ALSO AVAILABLE...CONSULT FACTORY.

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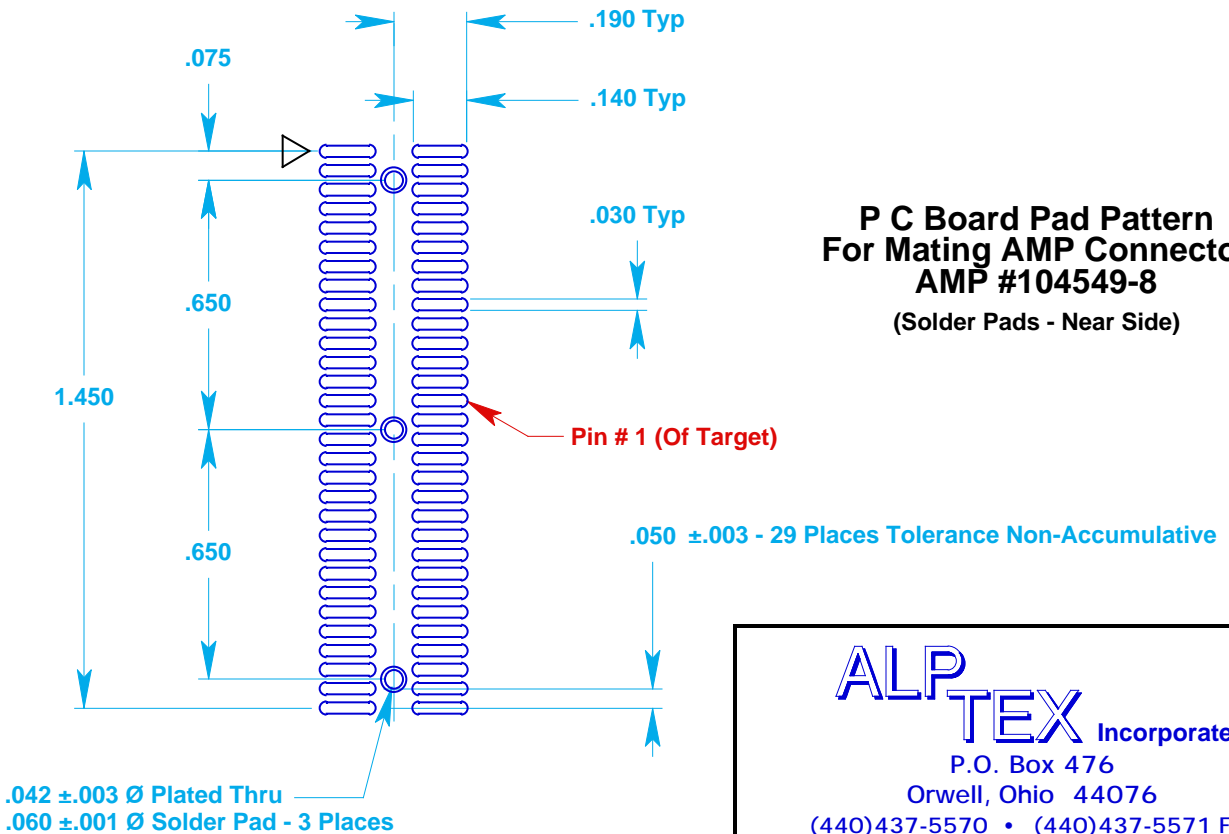
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# TSOP FlexProbe Application Data

ALPTEX Part Number 923712-XX  
(Direct Solder)



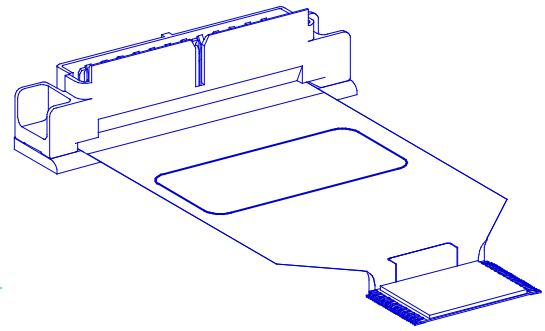
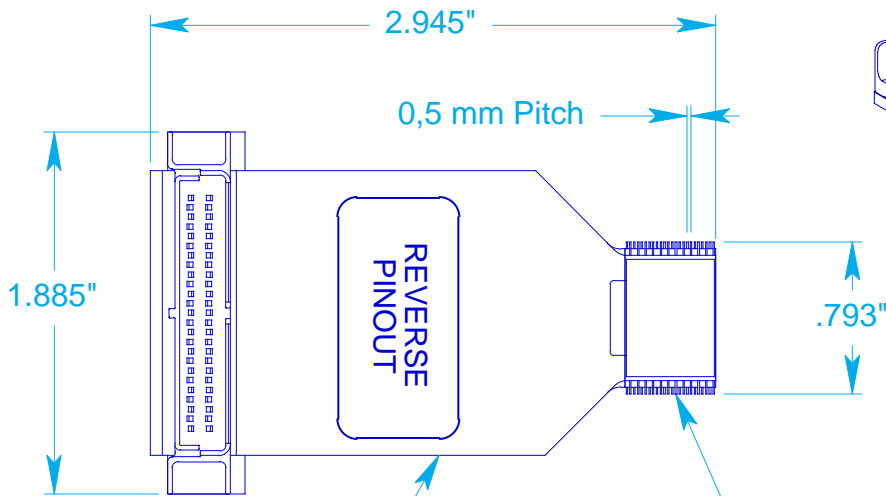
**Note:** This FlexProbe is designed to be reflow soldered directly to the P. C. Board.  
It is not intended for use with sockets.



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# TSOP FlexProbe (Reverse Pinout)



KAPTON Insulated Flex Circuit

TSOP Target Connector - Mates With MERITEC TSOP Socket #980020-XX-XX (ALPTEX Part #923719 or #923720)



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

ALPTEX		
PACKAGE	# LEADS	PART NUMBER
TSOP	40	923723-40
	48	923723-48

## FEATURES:

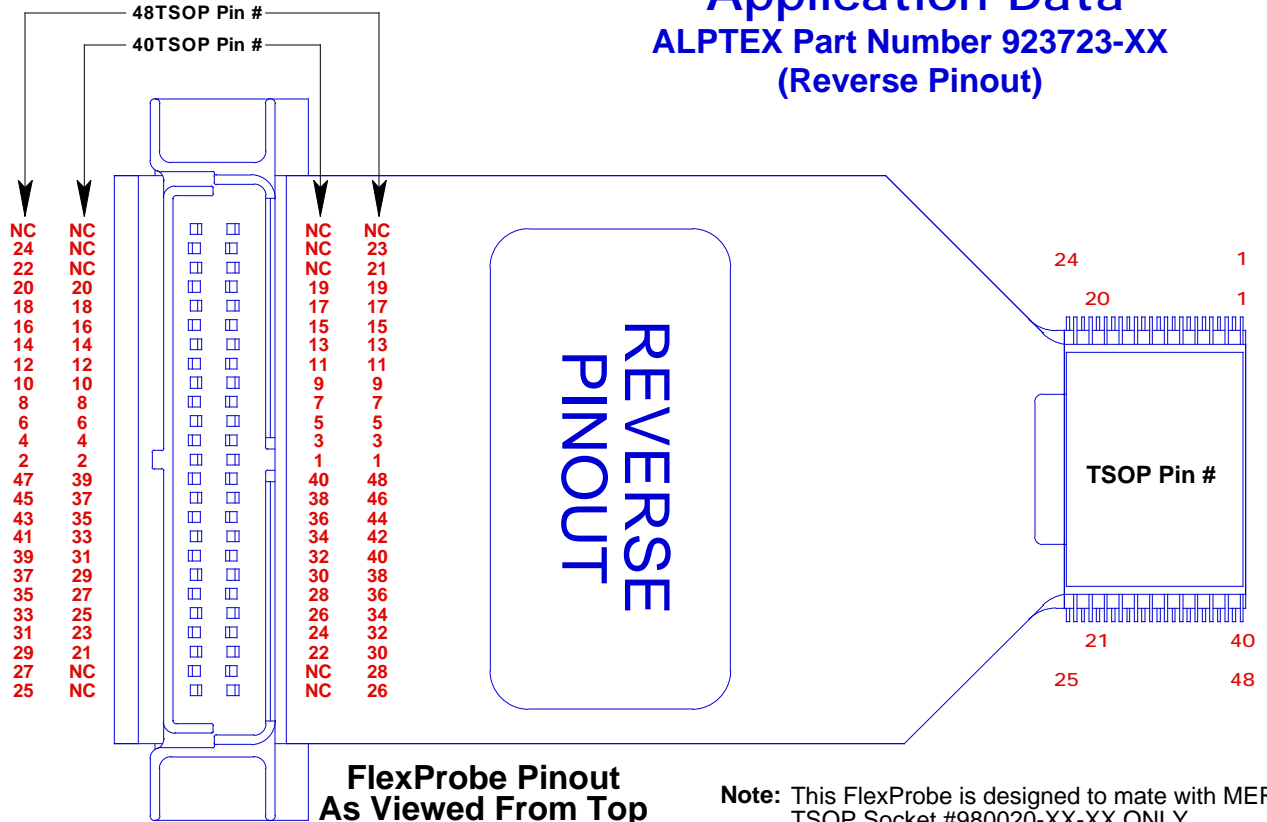
- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE SOCKET.
- A UNIQUE SOLUTION FOR CONNECTING TO MERITEC TSOP SOCKETS.
- ENABLES AN INTERFACE MAPPED FOR THE STANDARD FLEXPROBE (ALPTEX #923707) TO COMMUNICATE CORRECTLY WITH A REVERSE PINOUT TARGET.
- FITS INTO SOCKET LIKE A COMPONENT PACKAGE.
- UTILIZES THE MERITEC SOCKET'S "POSITIVE LOCK" FEATURE TO MAINTAIN A SECURE CONNECTION DURING USE.
- SPRING TEMPER NICKEL-SILVER CONTACTS EXCEED INDUSTRY COMPONENT LEAD REQUIREMENTS.
- COMPACT LENGTH VIRTUALLY ELIMINATES CROSSTALK / EMI PROBLEMS.
- MERITEC HERMAPHRODITIC CONNECTOR PROVIDES A DEPENDABLE AND COMPACT INTERFACE FOR YOUR TEST / EMULATION CIRCUITRY.
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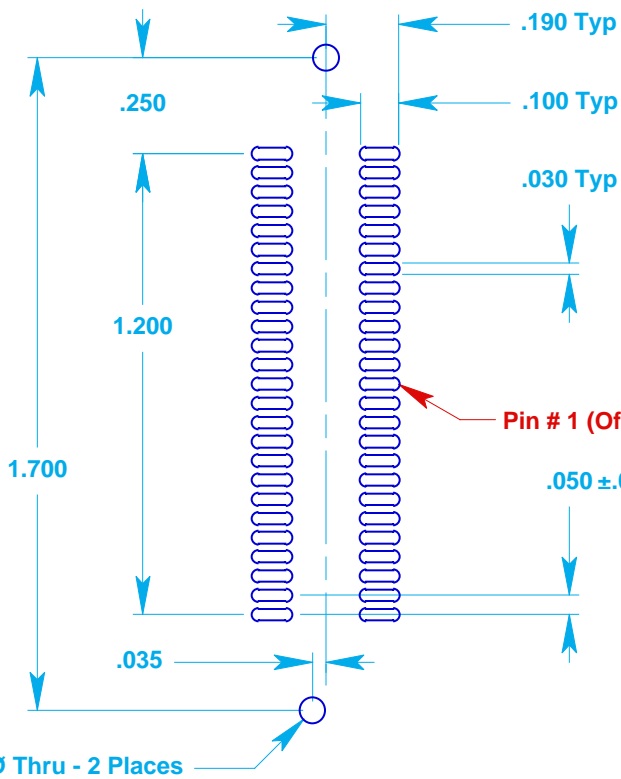
# TSOP FlexProbe Application Data

## ALPTEX Part Number 923723-XX (Reverse Pinout)



**FlexProbe Pinout  
As Viewed From Top**  
(Interface Connector - Near Side)

**Note:** This FlexProbe is designed to mate with MERITEC TSOP Socket #980020-XX-XX ONLY. It is not intended for use with other sockets or in solder down applications.

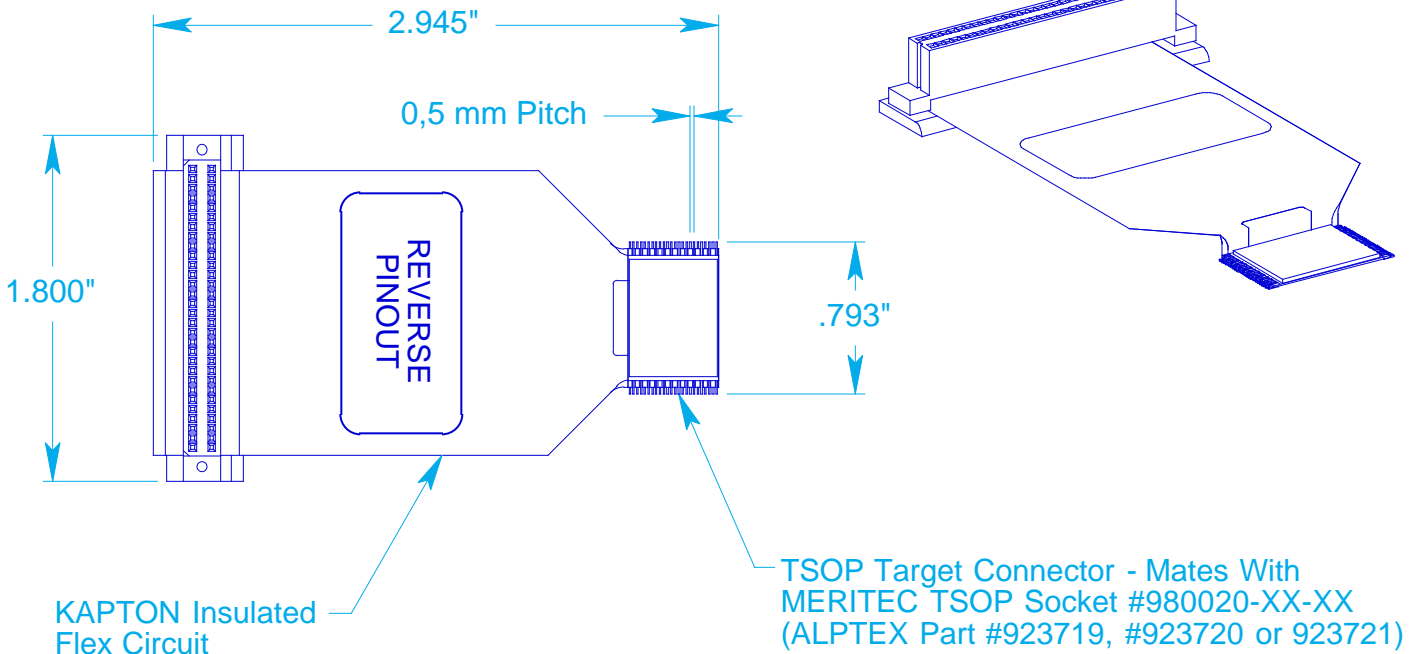


**P C Board Pad Pattern  
For Mating MERITEC Connector**  
**ALPTEX Part #923718-50**  
(Solder Pads - Near Side)

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# TSOP FlexProbe (Reverse Pinout)



		ALPTX
PACKAGE	# LEADS	PART NUMBER
TSOP	40	923724-40
	48	923724-48
	56	923724-56

## FEATURES:

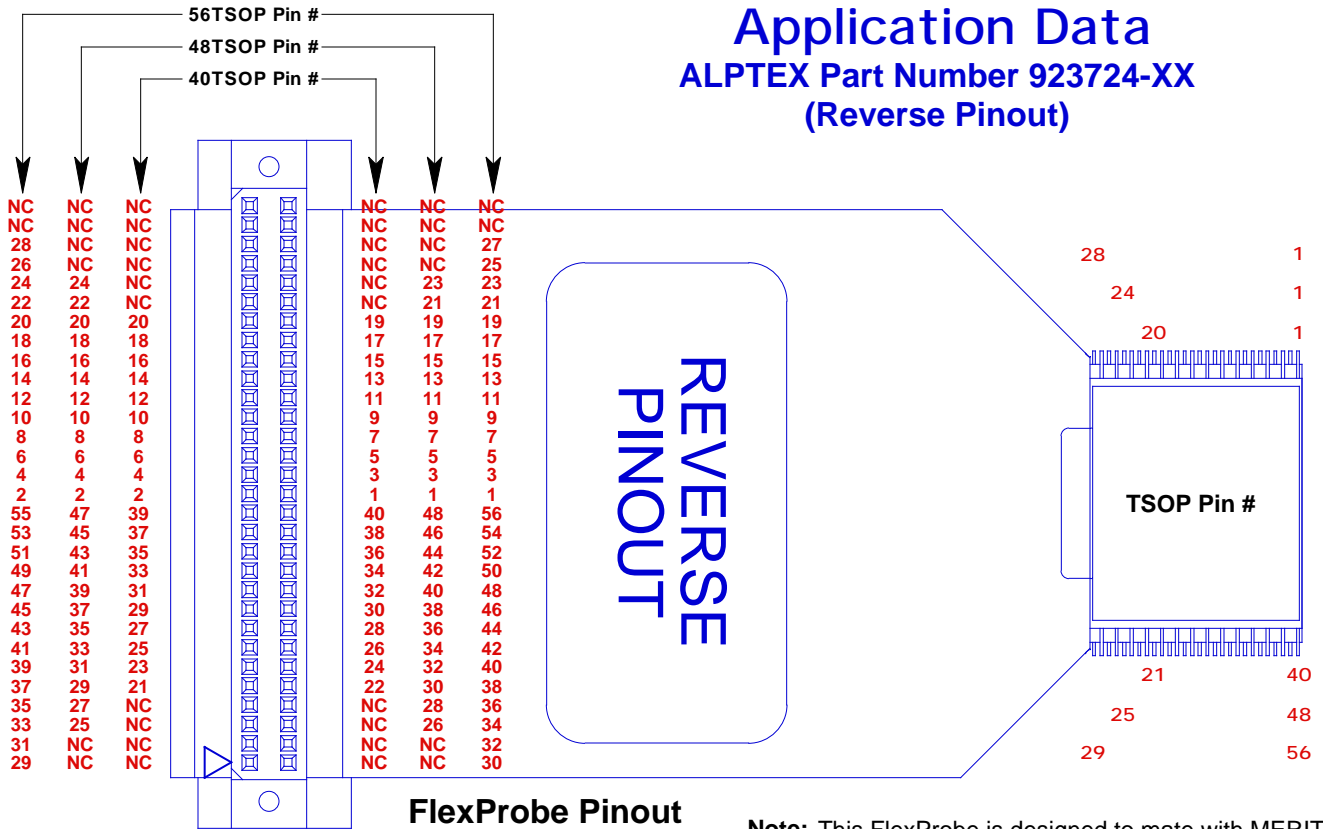
- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE SOCKET.
- A UNIQUE SOLUTION FOR CONNECTING TO MERITEC TSOP SOCKETS.
- ENABLES AN INTERFACE MAPPED FOR THE STANDARD FLEXPBROBE (ALPTX #923710) TO COMMUNICATE CORRECTLY WITH A REVERSE PINOUT TARGET.
- FITS INTO SOCKET LIKE A COMPONENT PACKAGE.
- UTILIZES THE MERITEC SOCKET'S "POSITIVE LOCK" FEATURE TO MAINTAIN A SECURE CONNECTION DURING USE.
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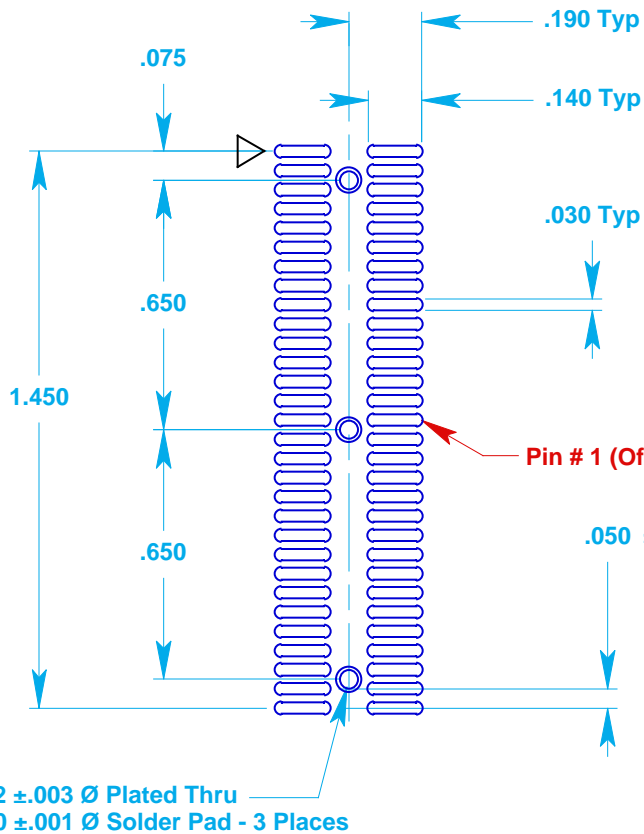
# TSOP FlexProbe Application Data

ALPTEx Part Number 923724-XX  
(Reverse Pinout)



**FlexProbe Pinout  
As Viewed From Top**  
(Interface Connector - Near Side)

**Note:** This FlexProbe is designed to mate with MERITEC TSOP Socket #980020-XX-XX ONLY. It is not intended for use with other sockets or in solder down applications.



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

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