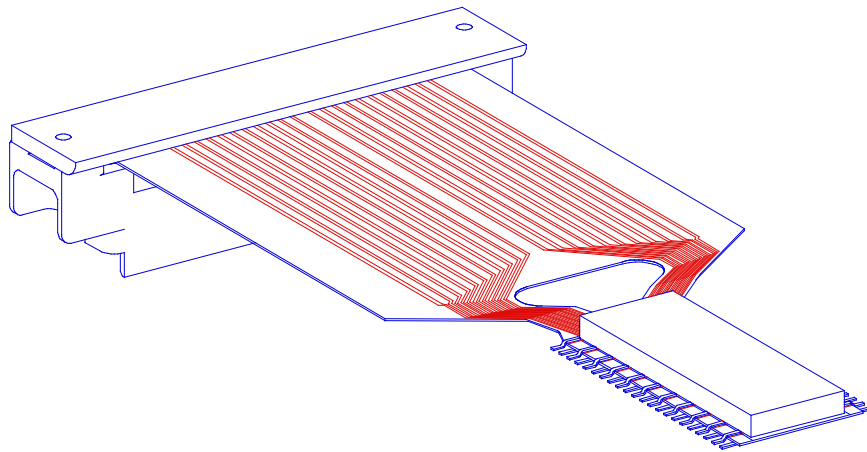


ALP TEX

Probes For Fine Pitch Connections



PSOP FlexProbes
1,27mm (.050") Pitch

PSOP FlexProbes 1,27mm (.050") Pitch

Data/Application Sheets

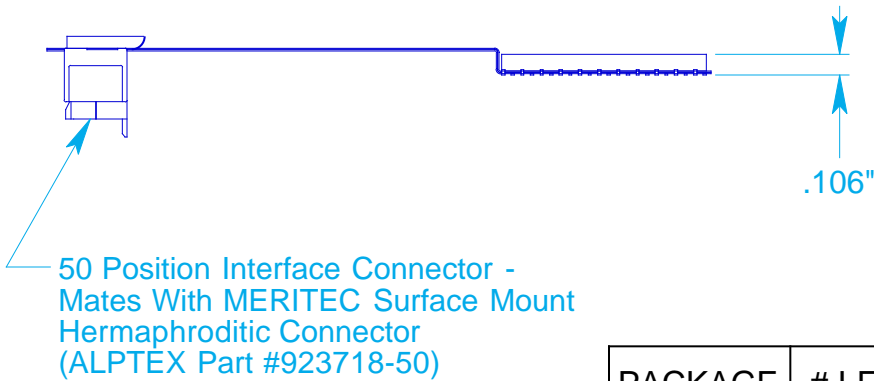
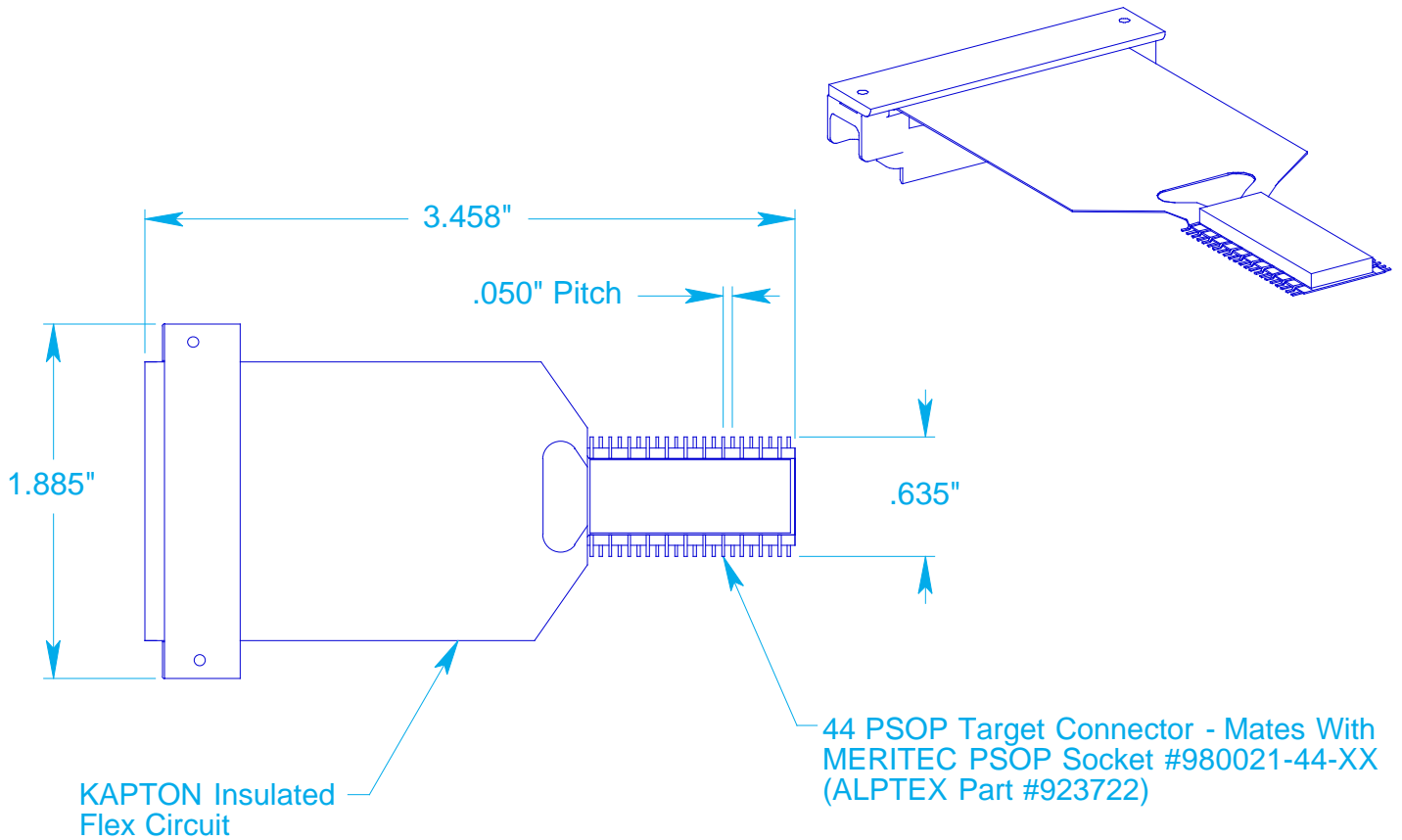
ALPTEX Part Number	Description
923708	Standard Pinout, "Hermit" Connector, Socket Type, 44 Lead
923726	Standard Pinout, "Hermit" Connector, Direct Solder Type, 44 Lead

.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 PLCC FlexProbes...PLCC_FP.pdf
- 0,75mm (.0295") Pitch microBGA FlexProbes...mBGA_FP.pdf
- 1,00mm (.0394") Pitch BGA FlexProbes...BGA_FP.pdf
- FlexProbe Extenders...EXTENDFP.pdf

44 PSOP FlexProbe

CONTENTS




APP DATA

		ALPTEX
PACKAGE	# LEADS	PART NUMBER
PSOP	44	923708-44

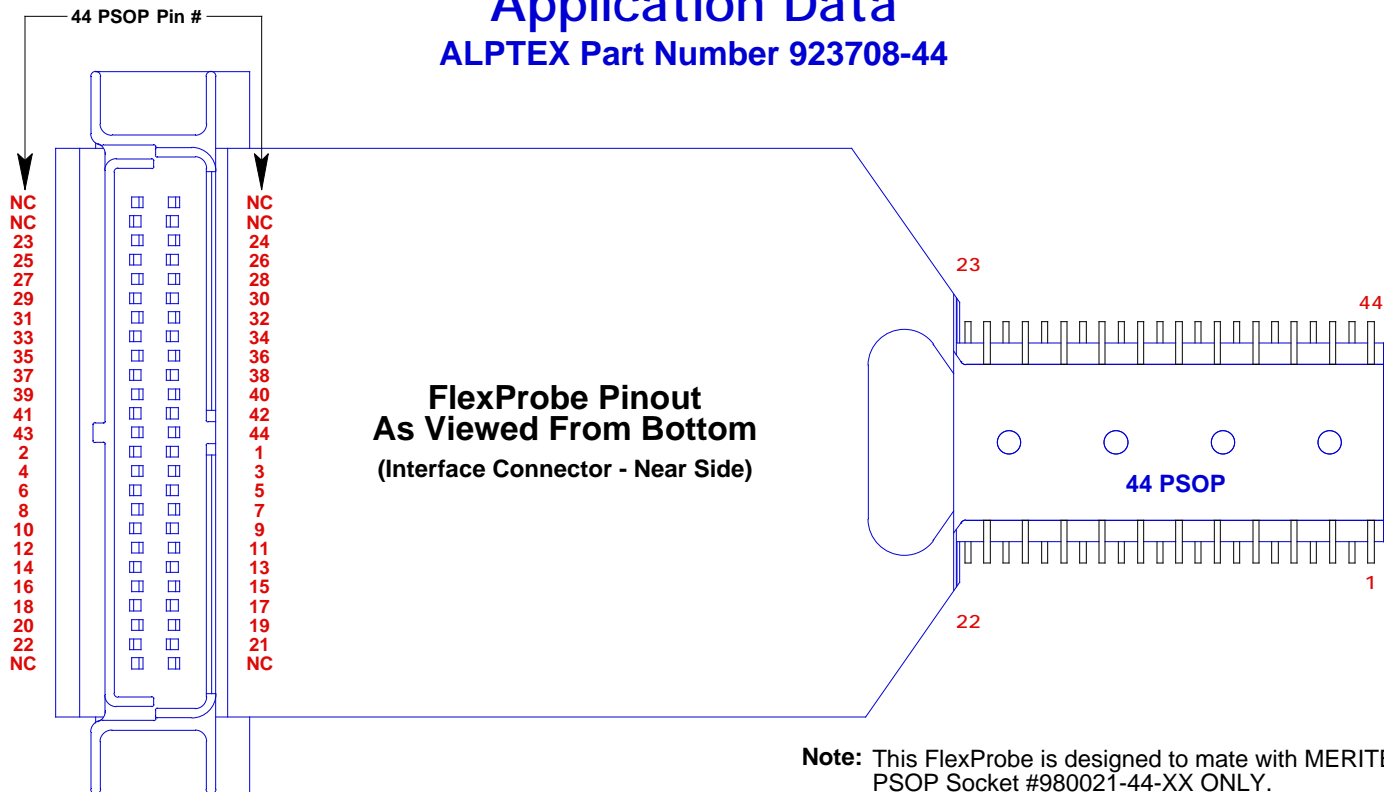
FEATURES:

- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE SOCKET.
- A UNIQUE SOLUTION FOR CONNECTING TO MERITEC PSOP 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.

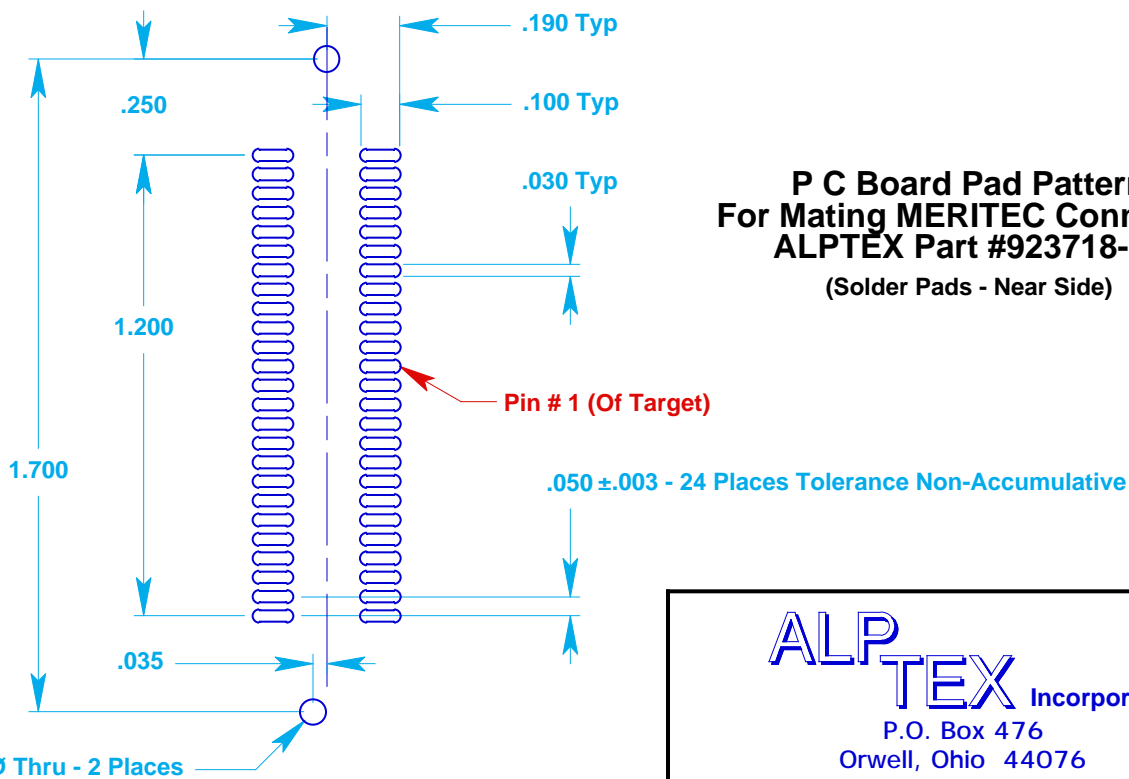

ALPTEX Incorporated
 P.O. Box 476
 Orwell, Ohio 44076
 (440)437-5570 • (440)437-5571 FAX
www.alptex.com

ALL STATEMENTS, SPECIFICATIONS AND TECHNICAL INFORMATION ON THIS DATA SHEET ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE.

44 PSOP FlexProbe Application Data ALPTEX Part Number 923708-44



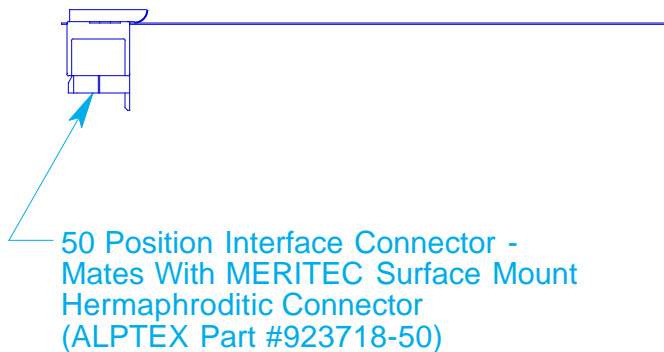
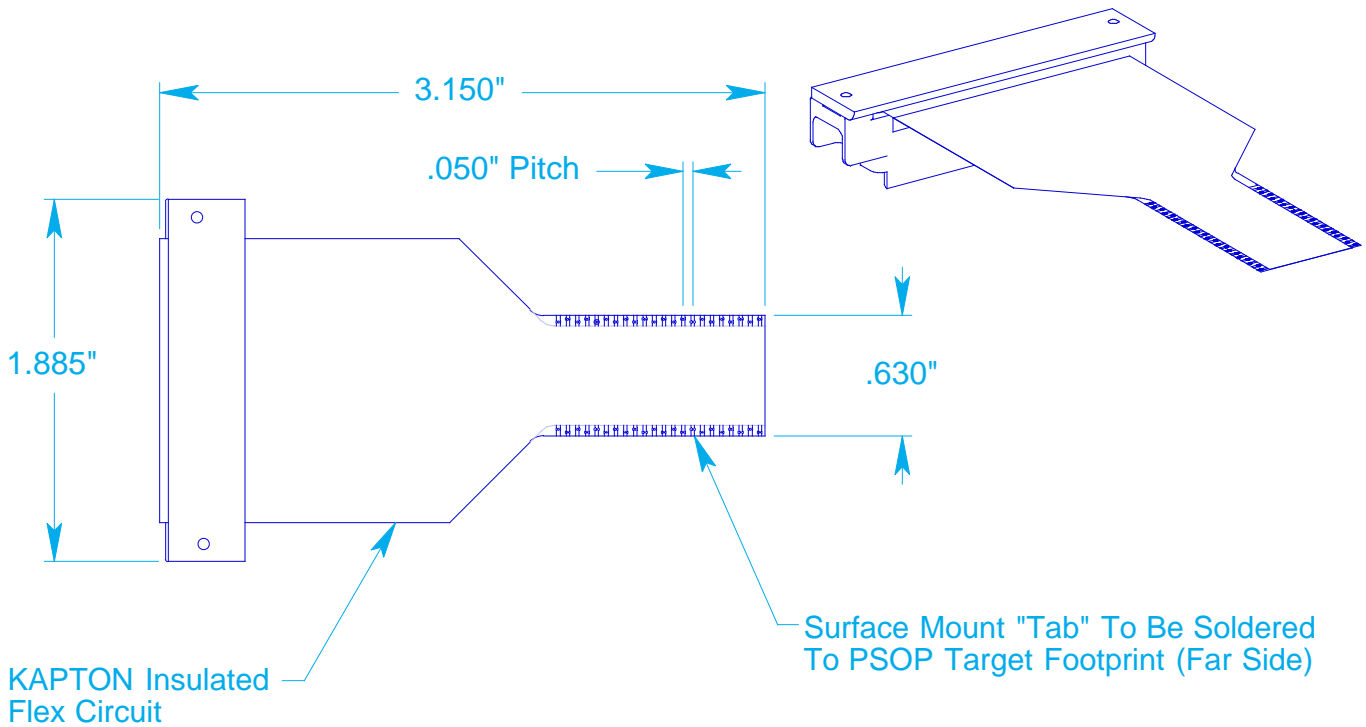
Note: This FlexProbe is designed to mate with MERITEC PSOP Socket #980021-44-XX ONLY. It is not intended for use with other sockets or in solder down applications.



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PSOP FlexProbe (Direct Solder)



ALPTX		
PACKAGE	# LEADS	PART NUMBER
PSOP	44	923726-44

FEATURES:

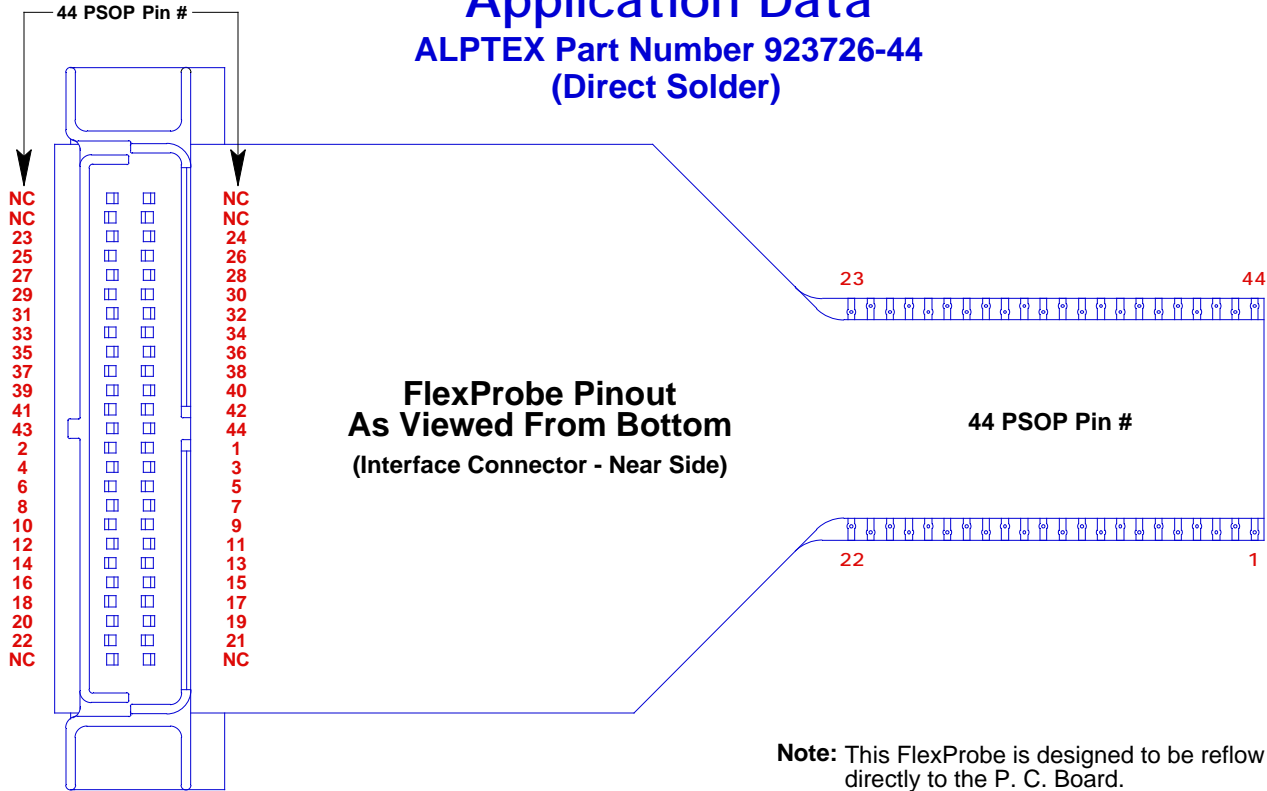
- THE MOST FLEXIBLE "TARGET" INTERCONNECT AVAILABLE...MINIMIZES PHYSICAL STRAIN ON THE TARGET PADS.
- A UNIQUE SOLUTION FOR CONNECTING DIRECTLY TO YOUR P. C. BOARD.
- REFLOW SOLDERS TO STANDARD PSOP PAD PATTERN.
- ELIMINATES NEED TO ALTER P. C. BOARD BETWEEN DEVELOPMENT AND PRODUCTION PHASES.
- COMPACT 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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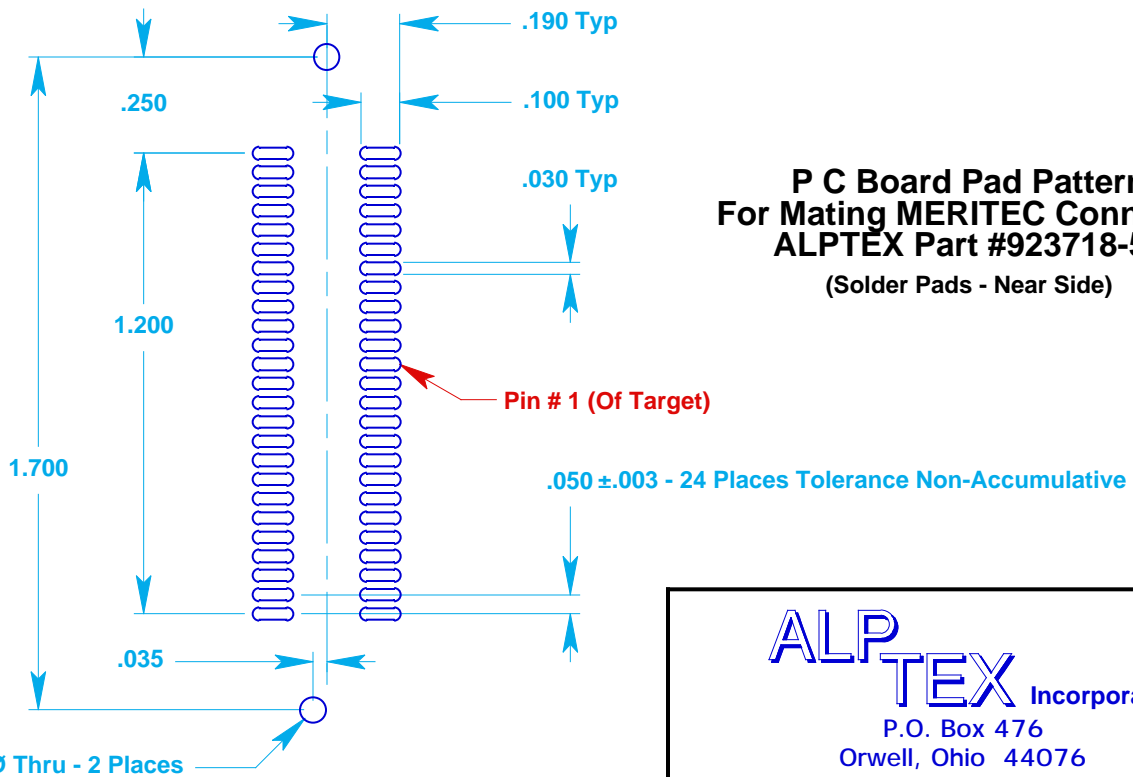
ALL STATEMENTS, SPECIFICATIONS AND TECHNICAL INFORMATION ON THIS DATA SHEET ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE.

PSOP FlexProbe Application Data

ALPTEX Part Number 923726-44
(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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44 PSOP FlexProbe

Application Note

ALPTEX Part Number 923726-XX
(Direct Solder)

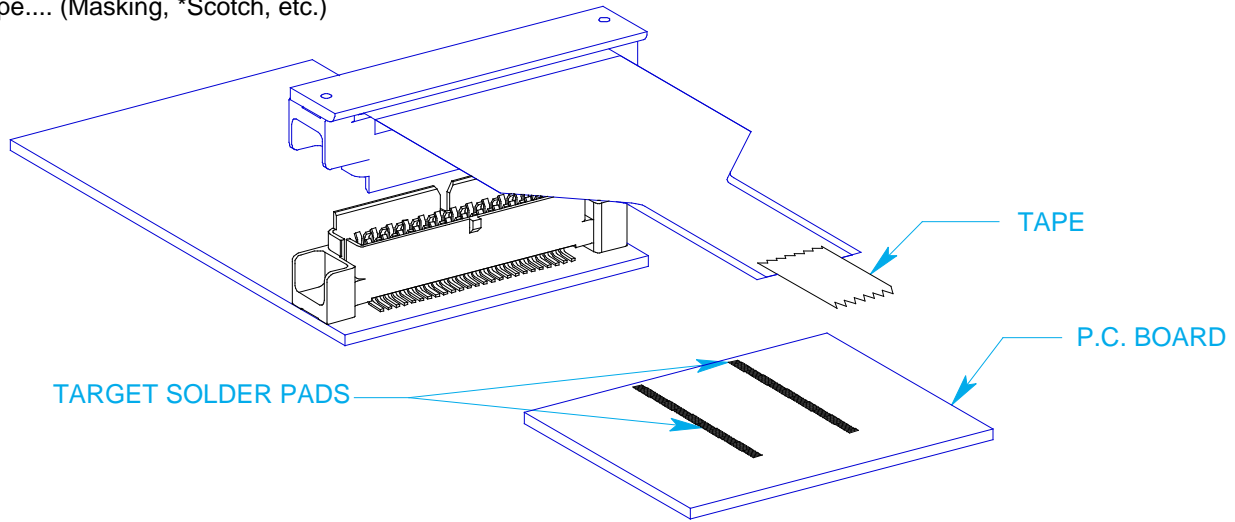
ALPTEX FLEXPROBES ARE PRODUCED USING THE HIGHEST QUALITY MATERIALS AND MANUFACTURING TECHNIQUES. AS WITH ANY OTHER PRECISION INSTRUMENT, IT SHOULD BE HANDLED WITH CARE.

SUGGESTED SHOP SUPPLIES:

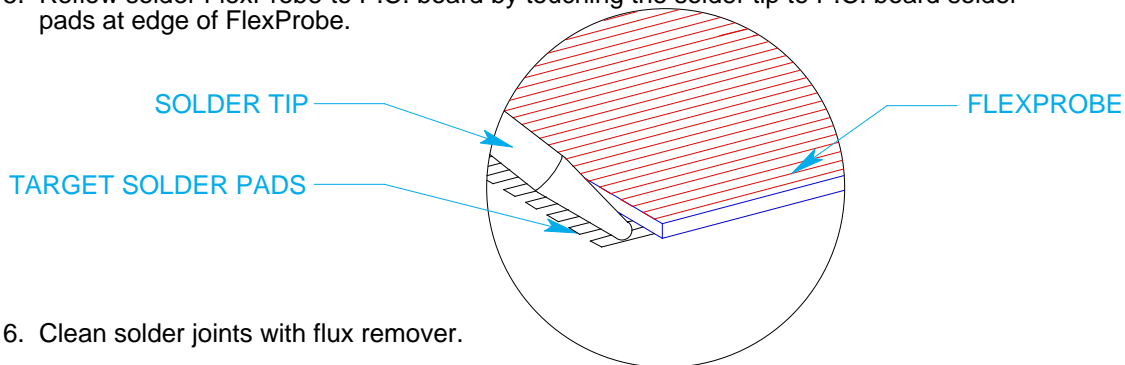
63/37 or 60/40 Solder.... .015" Dia.
Liquid Flux.... *Superior #334 No-Clean
Flux Remover.... *Chemtronics Flux-Off 2000
Tape.... (Masking, *Scotch, etc.)

SUGGESTED SHOP EQUIPMENT:

Microscope
*Weller Solder Station #MT1500 @ 650°
*Weller Solder Tip #302 (or Equivalent)



1. Under microscope, pre-tin PSOP target solder pads on P.C. board to create a consistent solder layer on each pad.
2. Position FlexProbe with PSOP solder pads down and align with solder pads on P.C. board. Hold in place with a small piece of tape.
3. Apply liquid flux as required.
4. Use a solder aid or probe to gently hold FlexProbe in contact with P.C. board.
5. Reflow solder FlexProbe to P.C. board by touching the solder tip to P.C. board solder pads at edge of FlexProbe.



6. Clean solder joints with flux remover.
7. Carefully plug connector end of FlexProbe into adaptor board or extender.

BY OBSERVING THESE INSTRUCTIONS YOU CAN BE ASSURED OF GETTING THE LONGEST PRODUCT LIFE POSSIBLE. DISREGARDING THESE INSTRUCTIONS MAY RESULT IN FAILURE OF THE FLEX CIRCUIT AND WOULD VOID THE WARRANTY OF YOUR FLEXPROBE.

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