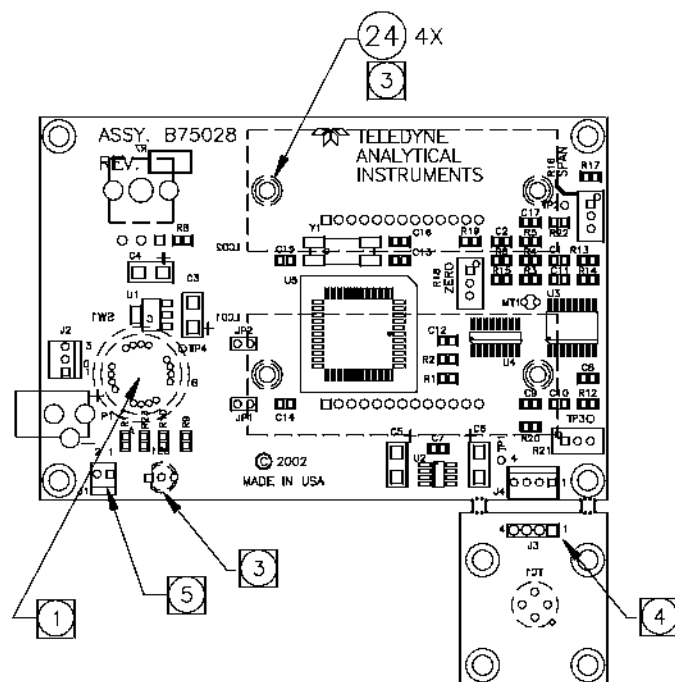


NOTES: UNLESS OTHERWISE SPECIFIED.

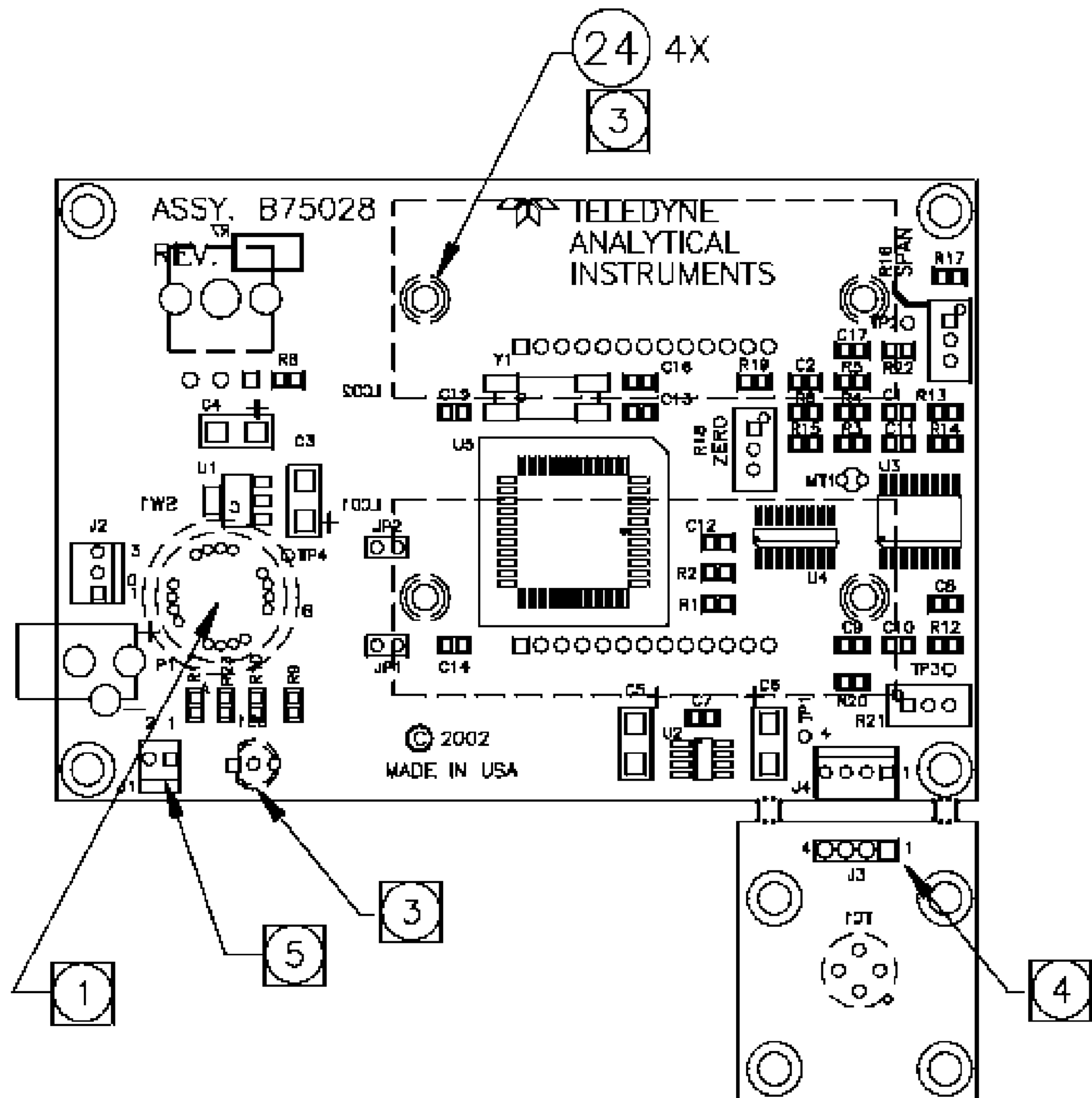
- 1 MOUNT SW1 WITH THE SHAFT FLAT FACING R23.
- 2 LCD1,LCD2,R7,SW1,TC1,ITEM 24, & DS1 ARE MOUNTED ON THE FAR SIDE.
- 3 ATTACH A FRONT PANEL WITH MOUNTING BEZELS AND 4 STANDOFFS PRIOR TO SOLDERING DS1, LCD1& LCD2. INSTALL SPACERS S1406 BETWEEN LCD METERS AND PCB (REF. C75030 ITEMS: 5,19,4,& 7). DS1 MOUNTS .38" ABOVE PCB USE FRONT PANEL & BEZEL TO LOCATE.
- 4 REF. B75117 FOR WIRING J3.
- 5 INSTALL J1 WITH THE LOCKING TAB TOWARD THE BOTTOM OF THE PCB



REVISIONS

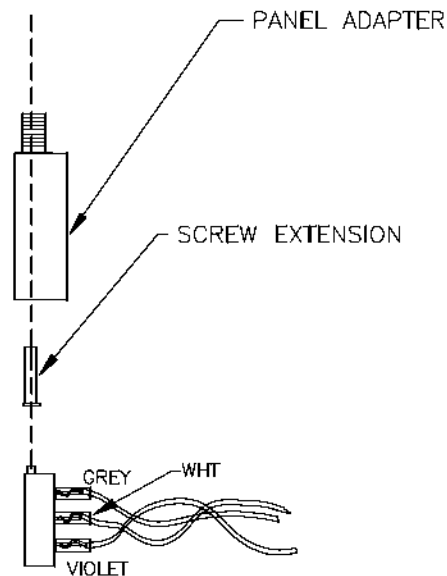
REV	DESCRIPTION	DATE	APP.	REV. BY
X0	PRE-RELEASE			---
X1	UPDATED NOTES & SPACER			
X2	ADDED SHT 2			

ITEM	QTY	PART No.	DESCRIPTION		
BILL OF MATERIAL					
DO NOT SCALE DWG			THIS DRAWING IS THE PROPERTY OF TELEDYNE ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION.		
TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$ 					




MODIFY THE MAIN PCB AS FOLLOW:
 INSTALL THE TRIM POT PANEL ADAPTERS ON THE TRIM POTS AS FOLLOWS: INSERT THE ADJUSTMENT SCREW EXTENSION AND SNAP THE TRIM POT INTO THE ADAPTER. LABEL THE SPAN, AND ZERO POT WITH A SHARPIE FOR IDENTIFICATION.
 TWIST THE THREE 26 AWG WIRES TOGETHER AND CUT TO A LENGTH OF 4.5" (FOR SPAN 5K) AND 5.5" (FOR ZERO 10K)
 USE THREE PIECES OF 1/16" X 0.75" SHRANK TUBING TO INSULATE THE LEADS
 SOLDER THE LEADS OF THE SPAN POT 5K AT THE R16 LOCATION WITH THE WHITE LEAD IN THE MIDDLE, & GRAY LEAD NEAR R17.
 SOLDER THE VIOLET LEAD TO THE REMAINING LOCATION.
 SOLDER THE LEADS OF THE ZERO POT 10K AT THE R18 LOCATION WITH THE WHITE LEAD IN THE MIDDLE AND THE GRAY LEAD NEAR R19. SOLDER THE VIOLET LEAD TO THE REMAINING LOCATION.

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
X2	SEE SHT 1		KFP	KFP



4	REF	REF	REF	REF	P1243	TRIM POT SPAN 5K R16 0.75 X 0.2 10%
3	REF	REF	REF	REF	P221	TRIM POT ZERO 10K R18 0.75 X 0.2 10%
2	REF	REF	REF	REF	P1257	TRIM POT PANEL ADAPTER
1	REF	REF	REF	REF	-----	1/16" SHRINK TUBING
ITEM	A	B	C	D	PART NO.	DESCRIPTION
	QUANTITY					

BILL OF MATERIAL

		DO NOT SCALE DWG		THIS DRAWING IS THE PROPERTY OF TETRADYNE ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION. IT IS NOT TO BE COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION.	
		TOLERANCE UNLESS OTHERWISE SPECIFIED: ANGULAR $\pm 1/2^\circ$		 TETRADYNE INSTRUMENTS <i>Analytical Instruments</i> A Tetradyne Technologies Company CITY OF INDUSTRY, CALIFORNIA 91746	
		LINEAR $\begin{cases} \text{X} & = \pm .1 \\ \text{XX} & = \pm .02 \\ \text{XXX} & = \pm .010 \end{cases}$			
		SIGNATURES		DATE	
N/	DRFT: KFP	4-28-03		TITLE HELIUM EXTERNAL CALIBRATION PCB MOD	
I/	CHK:				
P/	APPR:				
O/	ENGR:				
F/	S.O.:			MATERIAL	
REFERENCE	CAD I.D. B75028-SHT2			SEE PARTS LIST	
				DWG NO.	
				B-75028	
				REV	
				X2	