Switch SW8SO positions for various entry options

sw inputs   switch   sw outputs
x means closed position

Lemo input without additionnal bias voltage

GND	50 ohms	x			
Signal	In LEMO	x		348 ohms	IN+
diffsignal	DIFF1				
diffsignal	DIFF2				AD8132
GND	50 ohms	x			
	50 ohms	x		348 ohms	IN-
Offset+/-	50 ohms				
	50 ohms				

Lemo input with additionnal bias voltage

GND	50 ohms	x			
Signal	In LEMO	x		348 ohms	IN+
diffsignal	DIFF1				
diffsignal	DIFF2				AD8132
GND	50 ohms				
	50 ohms			348 ohms	IN-
Offset+/-	50 ohms	x			
	50 ohms	x			

flat cable input without additionnal voltage

GND	50 ohms	x			
Signal	In LEMO			348 ohms	IN+
diffsignal	DIFF1	x			
diffsignal	DIFF2	x			AD8132
GND	50 ohms				
	50 ohms			348 ohms	IN-
Offset+/-	50 ohms				
	50 ohms				

flat cable input with additionnal voltage

GND	50 ohms	x			
Signal	In LEMO			348 ohms	IN+
diffsignal	DIFF1	x			
diffsignal	DIFF2				AD8132
GND	50 ohms				
	50 ohms			348 ohms	IN-
Offset+/-	50 ohms	x			
	50 ohms				

Switch SW4SW positions for the two polarity offsets

sw inputs   switch   sw outputs   offset value
x means closed position   (Volt)

Positive offset (non inverting amplifier: follower)

				10 kohms	
	2.5 V		76.8 Kohms	IN-	**0.288**
	2.5 V	x	76.8 Kohms	In+	
-3.3 V	10 ohms		negative	10 kohms	GND
	GND	x	power supply		

Negative offset (inverting amplifier)

				10 kohms	
	2.5 V	x	76.8 Kohms	IN-	**-0.326**
	2.5 V		76.8 Kohms	In+	
-3.3 V	10 ohms	x	negative	10 kohms	GND
	GND		power supply		