

BOM	created 2/9/2011		
AD8147 & PIC18F45J10 Auto Adjust Test Signal Injection Board With 10-Position DIP Switch for Pulse Programming +/- 5V Supply Only			
Resistors	Reference Designator	Qty.	Description
39.2, 0603	R10, R11, One R on Circuit Side	3	Digikey P39.2HCT-ND
49.9, 0603	R13-R18	6	Digikey RHM49.9HTR-ND
82.5, 0603	R9, R12, R19	3	A003-0062-005
100, 0603	R2, R8	2	A003-0032-003
464, 0603	R6	1	(Digikey P464HCT-ND)
1K, 0603	R4, R5, R7	3	A003-0064-001
1K Trim Pot.	R20	1	A001-0003-006
4.02K, 0603	R23	1	A003-0032-117
10K, 0603	R1, R24-R34	12	A003-0032-006
1M, 0603	R3	1	A003-0032-017
Capacitors			
18pF, 0603	C9, C10	2	(Digikey 490-1409-1-ND)
0.01uF, 0603	C5, C7, C11, C14-C16, 9 Bypass Capacitors on Circuit Side	15	A004-0012-004
0.1uF, 0603	C4, C6	2	A004-0012-006
1uF, 0603	C1-C3, C12, C13	5	A004-0012-076
10uF, 3216	C8, C17, C18	3	A004-0007-053
Connectors			
3 pin connector	J1	1	A012-0003-080 (Molex 22-10-2031)(P3 pin (berg) header .100,)
2 pin connector	J3	1	A011-0002-037 2 pin (berg) header
VGA	P1	1	A012-0002-048 Conn. 15 pin D male RT/Ang
RJ-45	P2	1	(Digikey CCM1755-ND) RJ45-8X Mod Jack 8 port
3 pin connector	P3	1	A012-0003-150 (Molex 22-23-2031-P)(3 pin male header)
5 pin connector	P4	1	A012-0003-075 6 pin header (berg)
Crystal			
	Y1	1	(Digikey 535-9065-1-ND) ABL5-10.000MHZ-B2-7
IC's			
AD8147	U1	1	AD8147ACPZ ADI - Triple Differential Driver for Wideband Video. Gave 3 out of the 10 needed for kit. Ordered more
ADP120	U2, U4	2	ADP120-AUJZ33 ADI - 100mA CMOS Linear Regulator. Gave 17 out of 20 needed for kit. Ordered more
PIC18F24J10	U3	1	(Digikey PIC18F24J10-I/ML-ND) IC PIC MCU Flash 8KX16 28QFN
ADG779BKSZ	U5	1	ADG779BKSZ IC switch SPDT SC70-6 Have none for kit. Ordered more.
ADA4860-1	U6	1	ADA4860-1YRJZ ADI - High Speed Op Amp 6 LD SOT23 Gave 6 out of 10 needed for kit. Ordered more
Switches			
Momentary Reset	S1	1	(Digikey SW400-ND) Switch Tact 6mm MOM
10 Position	S2	1	(Digikey CT20910MS-ND) CTS 209-10MS
Bus Wire			
	Bus Wire connecting RJ-45 with Resistors R13-R18	6	