QC Sheet for 3-in-1 Cards

Date:	
Operator:	
Serial Number:	

	Limits	**Pre-Burn-In**	**Post-Burn-In**

Digital Tests

	Limits	Pre-Burn-In	Post-Burn-In
Write/Read all registers	OK		

Fast Pulse Tests

	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)
High Gain	< 2	73-90	< 10						
Low Gain	< 2	1.2-1.4	< 10						

	Limits	Pre-Burn-In	Post-Burn-In
Over/undershoot @ 75 ns	< 5%		

Integrator Tests

	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)
Gain 1	< 20		< 40						
Gain 2	< 20		< 40						
Gain 3	< 20		< 40						
Gain 4	< 20		< 40						
Gain 5	< 20		< 40						
Gain 6	< 20		< 40						

	Limits	Pre-Burn-In	Post-Burn-In
Output gate open/close	OK		
Feed through for 4V	< 4 mV		

Trigger Output Tests

	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)	Ped. Noise (cnts)	Slope (cnts/pC)	Non-Lin. (cnts)
Analog Output	< 2	1.2-1.4	< 10						

	Limits	Pre-Burn-In	Post-Burn-In
Output gate open/close	OK		
Gate feed through for 1 V	< 10 mV		