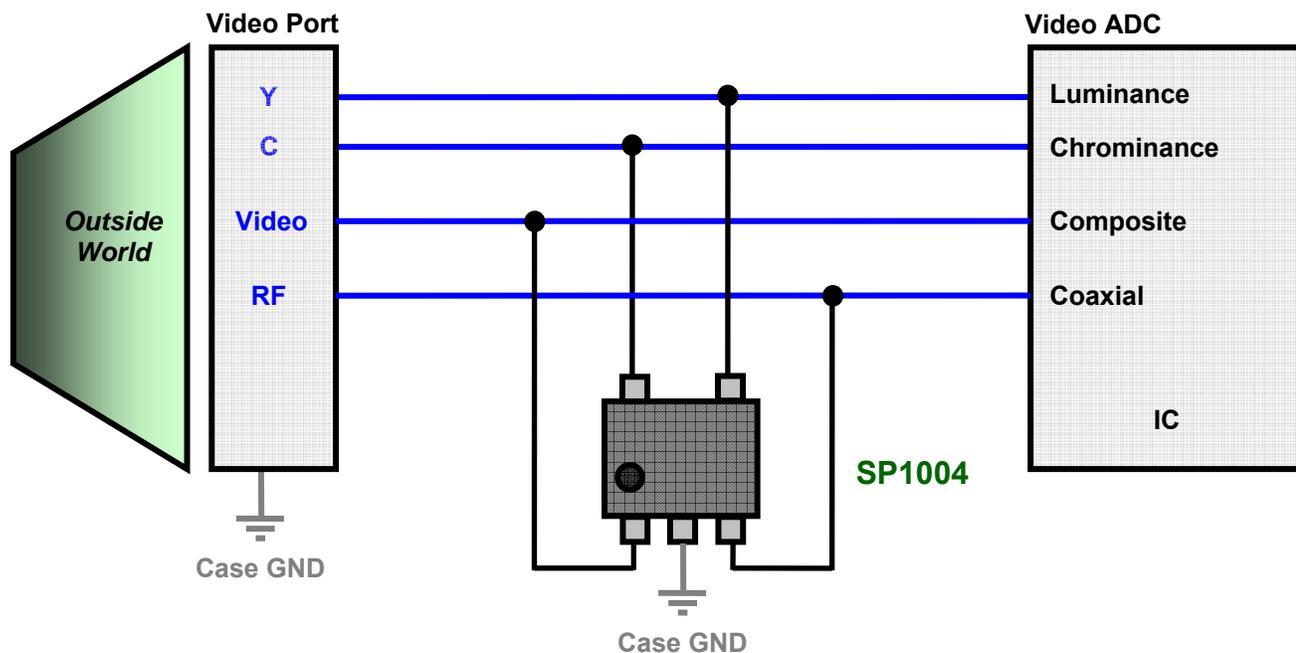


Application Guide Analog Video

Considerations:

- Analog video ports typically have signals that swing above and below GND (i.e. $\pm 2V$)
→ A bidirectional protection device should be used as these devices will not clip the analog signal
- S-Video, Composite, and RF/Coaxial are a few of the common low-speed analog video signals in use today
→ Typical bus speeds will not exceed 5MHz so capacitance is not much of a concern
→ Protection of the three are shown below (Y, C, Video, and RF)

Application Schematic:



Recommended SPA Devices:

Ordering Number	ESD Level (Contact)	Lightning ($t_p=8/20\mu s$)	I/O Capacitance	# of Channels	V_{RWM}	Packaging
SP1004-04VTG	$\pm 8kV$	2A	5pF	4	6V	SOT953
SP1002-01JTG	$\pm 8kV$	2A	5pF	1	6V	SC70-3
SP1002-02JTG	$\pm 8kV$	2A	5pF	2	6V	SC70-5