

PROTECTING EQUIPMENT FROM SELF GENERATED NOISE

Making the parts work as well
together as in isolation

SOURCES OF NOISE AND WHAT TO DO ABOUT IT

- USUAL MEANS OF COUPLING

Capacitive

Magnetic

Common ground impedance

High ground loop currents

GROUNDING FOR SIGNAL INTEGRITY

- Guidelines for shield grounding
- Avoiding ground loops caused by signal transmission
- Power and ground distribution
 - Bus bars
- Circuit board grounds
- Wiring inductance