



SKYWORKS Isolation



High Voltage requires Isolation. Seek the Voltage, find the Opportunity.



High reliability:

- ▶ No degradation in the signal path
- ▶ Up to 60 years lifetime at full voltage (SiO_2)
- ▶ CMTI 100 kV / μs



Safety first:





- ▶ Safe galvanic isolation of circuits under extreme application conditions
- ▶ Safety certificates and standards (UL1577, VDE IEC 60747-17, CSA, CQC, etc.)
- ▶ AEC-Q100 qualified derivatives for automotive applications

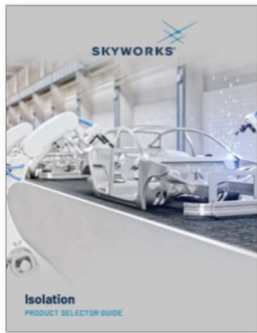


Design SUPPORT:

- ▶ Evaluation kits
- ▶ Deep-involved technical SUPPORT
- ▶ Sample SUPPORT

Isolation Portfolio:

 Digital Isolator	 Isolated Analog	 Isolated Drivers	 Industrial I/O
Si86xx/T <ul style="list-style-type: none"> ▶ 1-6 ch, 5 kVRMS ▶ Pin 2 pin - ADI, TI ▶ T=10kV Surg 	Si8920 <ul style="list-style-type: none"> ▶ Analog isolator ▶ Differential I/O ▶ Shunt R sensing 	Si823x/39x <ul style="list-style-type: none"> ▶ Ideal for Si FETs ▶ 2.5V VDDI ▶ UVLO flag + shutoff 	Si838x <ul style="list-style-type: none"> ▶ Ideal for PLC input ▶ 8 ch. Sinking /sourcing ▶ Use any digital levels
Si87xx <ul style="list-style-type: none"> ▶ Replaces Optos ▶ Faster, robust ▶ Same price 	Si8921x/2x <ul style="list-style-type: none"> ▶ Current sensor ▶ SE or DIFF output ▶ High performance 	Si826x <ul style="list-style-type: none"> ▶ Replaces Opto-drivers ▶ Low drift over time ▶ Drives SiC FETs 	Si834x <ul style="list-style-type: none"> ▶ Ideal for PLC output ▶ 4 ch. sinking/ Sourcing ▶ Ideal for relays
Si88xx <ul style="list-style-type: none"> ▶ Si86xx + dc/dc ▶ 5 W power, 80% eff ▶ Low noise 	Si893x <ul style="list-style-type: none"> ▶ Voltage sensor ▶ SE, DIFF, or DSM output 	Si827x <ul style="list-style-type: none"> ▶ Fastest MOSFETs ▶ SiC & GaN FETs ▶ 200 kV/μs CMTI 	Si875x <ul style="list-style-type: none"> ▶ Isolated FET driver ▶ Choose your FET ▶ Build-your-own SSR
Si86Sx <ul style="list-style-type: none"> ▶ Robust Isolation ▶ Noise immunity ▶ High functionality 	Si894x <ul style="list-style-type: none"> ▶ Current sensor ▶ DSM Output ▶ High performance 	Si828x <ul style="list-style-type: none"> ▶ Drives IGBT & SiC ▶ DCDC option ▶ 125 kV/μs CMTI 	Si876x <ul style="list-style-type: none"> ▶ Compact SSR ▶ Built-in FETs
		Si823Hx <ul style="list-style-type: none"> ▶ 20 V VDDI ▶ 30 ns max latency ▶ 125 kV/μs CMTI 	



Download the current
Isolation Product Selector Guide 2023
from Skyworks:

<https://www.glyn.com/News-Events/Brochures>

For technical SUPPORT and further questions please contact aps@glyn.de.