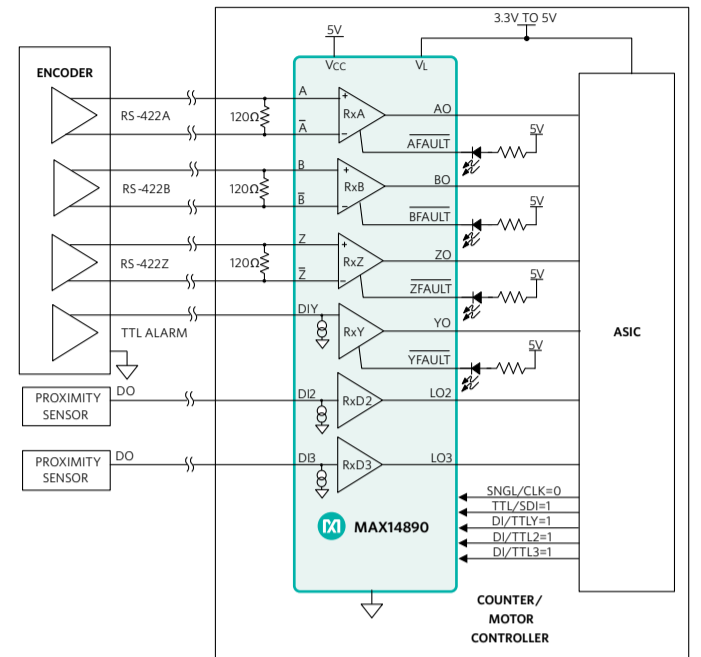


DESCRIPTION








We offer the industry's most robust RS-485/RS-422 transceivers with the longest reach, ideal for noisy industrial environments and absolute/incremental encoder communication.

KEY BENEFITS

- Fastest data rates enable higher encoder resolution and reduce latency
- High $\pm 35\text{kV}$ ESD protection reduces field failures
- Fault protection, fault detection, and high CMR ensure robust communications
- Tiny 3mm x 3mm TDFN packages reduce total solution size



ENCODER CIRCUIT WITH RS-422 SIGNALS AND TTL ALARM SIGNAL

Part Number	Configuration	Data Rate (Mbps)	Fault Protection (V)	ESD (kV)	Smallest Package	EVKIT	Order
MAX14890E	4 Rx RS-422/ HTL/TLL	35	± 40	± 15	4mm x 4mm TDFN	MAX14890EEVKIT	
MAX14775E	Half-Duplex RS-485	20	± 65	± 8	3mm x 3mm TDFN	MAX14775EEVKIT	
MAX14776E	Half-Duplex RS-485	0.5	± 65	± 8	3mm x 3mm TDFN	MAX14775EEVKIT	
MAX14783E	Half-Duplex RS-485	42	± 65	± 35	3mm x 3mm TDFN	-	
MAX14770E	PROFIBUS	20	-	± 35	3mm x 3mm TDFN	-	
MAX22500E	Half-Duplex RS-485	100	± 15	± 15	3mm x 3mm TDFN	MAX22500EEVKIT	
MAX22502E	Full-Duplex RS-485	100	± 15	± 15	3mm x 3mm TDFN	MAX22502EEVKIT	

RELATED RESOURCES



MAXREFDES150: Pocket IO PLC
Development Platform



RS-485/RS-422 Transceivers