

Product Update Memo

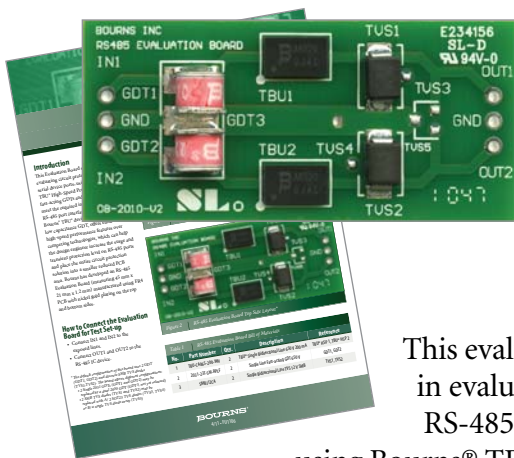
CIRCUIT PROTECTION PRODUCTS

Bourns Manufacturers Representatives
Corporate Distributor Product Managers
Americas Sales Team
Asia Sales Team
Europe Sales Team

May, 2011

RS-485 Port Protection

Bourns is pleased to announce the release of new sales collateral material for RS-485 port protection using TBU® High-Speed Protectors (HSPs), GDTs, TVS diodes and MOV products.

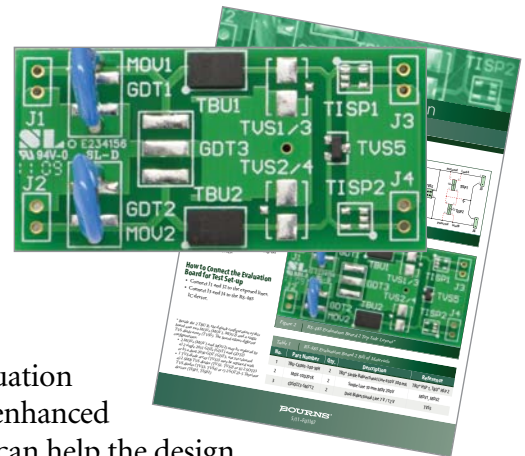


RS-485EVALBOARD1

This evaluation board serves as an aid in evaluating circuit protection on RS-485 serial device ports, using two Bourns® TBU® High-Speed Protectors (HSPs), two fast-acting GDTs and two TVS diodes to meet the required industry standards on RS-485 port interfaces.

RS-485EVALBOARD2

This evaluation board serves as an aid in evaluating circuit protection on RS-485 serial device port solutions using Bourns® TBU® High-Speed Protectors (HSPs), MOVs and TVS products to meet the required industry standards on RS-485 port interfaces.



The recommended Bourns® TBU® HSP device solution on both evaluation boards, with a low capacitance GDT on RS-485EVALBOARD1, offers enhanced high-speed performance features over competing technologies, which can help the design engineer increase the surge and transient protection level on RS-485 ports and place the entire circuit protection solution into a reduced PCB area.



RS-485 APPLICATION NOTES

For more information on implementing advanced circuit protection technologies for RS-485 ports, please review the Bourns RS-485 application notes:

- http://www.bourns.com/data/global/pdfs/bourns_cpk1047_rs485_circuit_protection_appnote.pdf
- http://www.bourns.com/data/global/pdfs/bourns_cpk1114_rs485_circuit_protection_appnote.pdf



RS-485 PORT PROTECTION DEMO VIDEO

Bourns has prepared a new *RS-485EVALBOARD1* demonstration video to explain the use and benefits of the RS-485 evaluation board for assessing port protection performance.

See the link http://www.youtube.com/watch?feature=player_profilepage&v=dvCscFwLM_w

The *RS-485EVALBOARD1* and *RS-485EVALBOARD2* Design Notes, RS-485 Application Notes and RS-485 Port Protection Demo Video can be viewed on the Bourns website at www.bourns.com.