

Bill of Materials (BOM)

Support Note

SN026 Isolated RS-485 interface based on 4-channel digital isolator with integrated DC/DC converter



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Designator	Description	WE series	Order Code	Manufacturer	Quantity
C1, C2	Filter ceramic chip capacitor 10 μ F, 16 V, X7R, 1210	WCAP-CSGP	885012209014	Würth Elektronik	2
C3, C4	Ceramic chip capacitor 10 μ F, 16 V, X7R, 1210	WCAP-CSGP	885012209014	Würth Elektronik	2
C5	Ceramic chip capacitor 100 nF, 100 V, X7R, 0805	WCAP-CSGP	885012207128	Würth Elektronik	1
C6, C7	Ceramic chip capacitor 10 pF, 25 V, NP0, 0603	WCAP-CSGP	885012006032	Würth Elektronik	2
R1	SMD resistor 50 Ω , 0.1 W, 0603	---			1
R2, R6	SMD resistor 10 Ω , 0.1 W, 0603	WRIS-RSKS	560112116013	Würth Elektronik	2
R3	SMD resistor 120 Ω , 0.1 W, 0603	WRIS-RSKS	560112116119	Würth Elektronik	1
R4, R5	SMD resistor 0 Ω , 0.1 W, 0603	WRIS-RSKS	560112116001	Würth Elektronik	2
U1	4-channel digital isolator with integrated DC/DC, SOIC-16WB	WPME-CDIP	18024115401H	Würth Elektronik	1
U2	Half-duplex RS-485 transceiver 50 Mbps, SOIC-8NB	---			1
D1	2-channel TVS Diode, 5 V, 12 pF, SOT23-3L	WE-TVS	824022	Würth Elektronik	1
L1	Filter SMD inductor 4.7 μ H, 4532	WE-PD2	744773047	Würth Elektronik	1
L2	SMT common mode line filter 1000 μ H, 0.8 A, 80 V	WE-SL2	744222	Würth Elektronik	1
J1	THT horizontal entry modular, pitch 5 mm, 2p	WR-TBL	691502710002	Würth Elektronik	1
J2, J3	SMA PCB end launch connector	WR-SMA	60312202114509	Würth Elektronik	2
P1	THT 3-pin header, vertical, single row, pitch 2.54 mm	WR-PHD	61300311121	Würth Elektronik	1
P2	THT 1-pin header, vertical, single row, pitch 2.54 mm	WR-PHD	61300111121	Würth Elektronik	1



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Application Notes

www.we-online.de/app-notes

REDEXPERT Design Plattform

www.we-online.de/redexpert

Toolbox

www.we-online.de/toolbox

Product Catalog

www.we-online.com/products

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