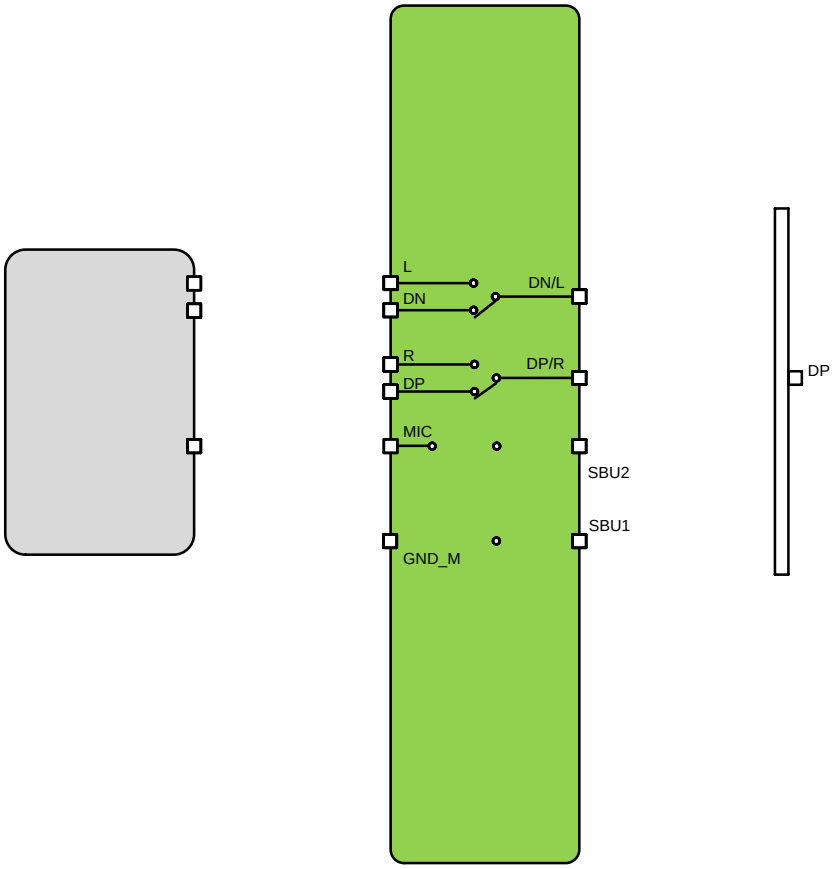
Publication Order Number:


L
DN
DN/L
R
DP
DP/R
MIC
SBU2
SBU1
GND_M
DP

VBAT	Supply Voltage	2.7	–	5.5	V
VBUS	Supply Voltage	4.0	–	20	V

VSW_USB	V_{DP} to GND, V_{DN} to GND, $V_{DP/Rto}$ GND, $V_{DN/L}$ to GND

(VBAT = 2.7 V to 5.5 V or VBUS = 4.0 V to 20 V, VBAT (Typ.) = 4.3 V or VBUS (Typ.) = 5 V, T_A = −40°C to 85°C. T_A (Typ.) = 25°C, unless otherwise specified.)

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t_{ON}	Turn On Time (Note 3)	DP/R = DN/L = 1.5 V, R_L = 50 Ω	VBAT: 4.3 V or VBUS: 5 V	–	55	–	μs
t_{OFF}	Turn OFF Time (Note 3)	DP/R = DN/L = 1.5 V, R_L = 50 Ω		–	2	–	μs
X_{TALK}	Cross Talk (Adjacent) (Note 3)	f = 1 kHz, R_L = 50 Ω, V_{SW} = 1 V_{RMS}		–	−110	–	dB
BW	−3 dB Bandwidth (Note 3)	R_L = 50 Ω		–	950	–	MHz
O_{IRR}	Off Isolation (Note 3)	f= 1 kHz, R_L = 50 Ω, C_L = 0 pF, V_{SW} = 1 V_{RMS}		–	−100	–	dB
THD+N	Total Harmonic Distortion + Noise Performance with A− Weighting Filter (Note 3)	R_L = 600 Ω, f = 20 Hz~20 kHz, V_{SW} = 2 V_{RMS}		–	−110	–	dB
		R_L = 32 Ω, f = 20 Hz~20 kHz, V_{SW} = 1 V_{RMS}		–	−110	–	dB
		R_L = 16, , f = 20 Hz~20 kHz, V_{SW} = 0.5 V_{RMS}		–	−108	–	dB

(VBAT = 2.7 V to 5.5 V or VBUS = 4.0 V to 20 V, VBAT (Typ.) = 4.3 V or VBUS (Typ.) = 5 V, T_A = −40°C to 85°C. T_A (Typ.) = 25°C, unless otherwise specified.) (continued)

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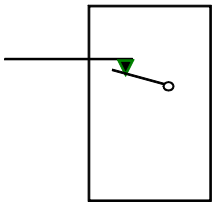

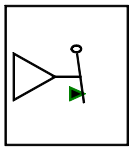

V_{SEL} = 0 or V_{DD}

S