

Product Change Notice

Ref. Number: 13-0402-02 Issue Date: 04-08-2013

Exar Corporation

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CATEGORY:	DETAILS:																
☐ Material ☐ Design	REASON FOR CHANGE: Product Improvement and compatibility with industry equivalent devices.																
Process	DESCRIPTION OF CHANGE: Die Revision																
□ Datasheet	From:								то:								
Package	OPERATING RATINGS Input Voltage V _{3N} 4.75V to 18V								OPERATING RATINGS Input Voltage V _{In}								
Packing/Shipping	ELECTRICAL SPECIFICATIONS								ELECTRICAL SPECIFICATIONS								
			1 -	T	T	1				Parameter	Min.	Typ.	Max.	Units	Conditions		
Other (specify)	Parameter	Min.	Тур.	Max.	Units		Conditions		Shuto	lown Supply Current		0.1	10	μА	V _{BN} ≤0.75V		
Other (specify)	utdown Supply Current		0.1	10	μA		V _{EN} =0V			cent Current		1.2	1.4	mA	V _{BN} =3V, V _{BB} =1V		
	escent Current		1.0	1.2	mA		V _{EN} =2V, V _{FB} =1V			oack Voltage V _{FB}	0.907	0.925	0.943	V	181 -17 18 -1		
	sdback Voltage V _{FB}	0.900	0.925	0.950	V	٠.	101 21, 110 21			Side switch On Resistan			01510				
	h-Side switch On Resistance	0.500	0.525	0.550		H-				(Note 2)	·	100		mΩ	I _{sw} =0.2A&0.7A		
	ONH (Note 2) v-Side switch On Resistance		100		mΩ		I _{SW} =0.2A&0.7A		Low-S Roson	Side switch On Resistano (Note 2)		100		mΩ	I _{SW} =-0.2A&-0.7A		
	onL (Note 2)		90		mΩ		I _{SW} =-0.2A&-0.7A			ator Frequency Fosci	280	340	400	kHz			
	sillator Frequency Fosci	300	340	380	kHz					nable Threshold Voltage	2.2	2.5	2.7	V			
	Threshold V _{ENH}	1.5				_			EN Er	nable Threshold Voltage		210		mV			
	Threshold V _{ENL}	1.5	+	0.5	V	\vdash				resis (Note 1)							
						-				Threshold	3.65	4.00	4.25	V	V _{IN} Rising		
	LO Threshold	3.65	4.00	4.45	V		V _{IN} Rising			Hysteresis		0.20		V			
	LO Hysteresis		0.30		V		1		Soft-	start Time (Note 1)		15		ms	C _{ss} =0.1µF		
	t-start Time (Note 1)		15		ms		C _{ss} =0.1µF, I _{out} =500mA										
	BLOCK DIAGRAM	.5								BLOCK DIAGRAM							
	PIN DESCRIPTION									RIPTION							
	Maria Dia N								Name	Pin Number			Desci	ription			
	EN 7	Name Pin Number Description								Control input pin. For any this pin above 2.7V enables the I.C. Forcing this pin below 0.75V shuts down the I.C. Full up to VIN with 100kΩ for automatic startup.							
	xt and desc	criptio	n.	All	All typical performance characteristic curves and related text and description within document.												
									ENABLE FUNCTION The XRP7663 is enabled by raising the voltage on the EN pin above 2.5 V nominally. Connect the EN pin to the VIN via a 100kf resistor for automatic start-up. Shutdownis achieved by pulling the EN pin voltage below 1.1 V nominally.								
	CUSTOMER IM New Data Sh				GE:												

Qualification date:

February 20, 2013

Target Implementation date:

February 20, 2013

Please contact customer support (<u>customersupport@exar.com</u>) for sample date availability or reliability data.

Affected Part Numbers:

XRP7665IDBTR-F

Product Description:

Please refer to www.exar.com

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