END OF LIFE NOTIFICATION

Title	Discontinuance of LV99D and PE99D series

Article:

Products Affected: Pletronics LV99D and PE99D Differential Oscillator Series.

Reason for Discontinuance: The LV99D and PE99D series are based on older IC technology. The products are being discontinued due to the increased cost of manufacturing and support.

Suggested Replacement Part: The recommended replacement products are the QL77L and QP77L series. The form, fit and function is equal to or better than the LV99D and PE99D series. See attached sample data.

Issue Date: 6-05-2020

Last Purchase Date: 9-30-2020

There may be limited supplies available.

Last Shipment Date: 12-31-2020

Pletronics Inc. certifies this device is in accordance with the

RoHS (2015/65/EC) and WEEE (2002/96/EC) directives.

Date Created	6-05-2020
Created By	Pletronics Engineering
Rev	1.0

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RMS Jitter Comparison		
	LV99D	**QL77L**
64MHz	**1.13 ps**	**587 fs**
133MHz	**963 fs**	**564 fs**
200MHz	**826 fs**	**563 fs**

Electrical Characteristics

LVDS

			LV99D			QL77L		
			min	typ	max	min	typ	max
Power Supply Voltage	VDD (V)	VDD=3.3V	3	3.3	3.6	2.97	3.3	3.63
		VDD=2.5V	-	-	-	2.375	2.5	2.625
Current consumption	Idd (mA)			73	93		23	
				-	-			
Output Frequency	F (MHz)		10.9		400	10		1500
Differential Output Voltage	Vod (mV)		250		450	250¹	350	
Output rise time	Tr,Tf (pS)			170		125		350
Output fall time				170		150		350
RMS Jitter	10kHz – 20MHz (pS)				1		0.6	1

¹ With Vdd=3.3V

PECL

			PE99D			QP77L		
			min	typ	max	min	typ	max
Power Supply Voltage	VDD (V)	VDD=3.3V	3	3.3	3.6	2.97	3.3	3.63
		VDD=2.5V	-	-	-	2.375	2.5	2.625
Current consumption	Idd (mA)	VDD=3.3V		85	110		54	
Output Frequency	F (MHz)		10.9		1175	10		1500
High-level output voltage	Voh (V)		2.1		2.49	2.27		2.7
Low-level output voltage	Vol (V)		0.6		1.94	1.45		1.7
Output rise time	Tr (nS)			170		150		350
Output fall time				170		150		350
RMS Jitter	10kHz – 20MHz (pS)				1		0.6	1