

PCN Number:	20141112000	PCN Date:	11/24/2014
Title:	Datasheet update for TLK105L/TLK106L and TLK111		
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037
		Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
		<input type="checkbox"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

The product datasheet(s) for TLK105L, TLK106L, and TLK111 have been updated to remove fiber interface support and associated references to applications with optical transceivers. If fiber interface support is needed, the DP83620 is recommended.

The following change history provides further details. These changes may be reviewed at the datasheet links provided



TLK105L, TLK106L

SLLSEE3C –AUGUST 2013–REVISED NOVEMBER 2014

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4 Revision History, Revision C

Changes from Revision B (January 2014) to Revision C	Page
• Deleted "(TLK106)"	1
• Deleted "IEEE 802.3u 100BASE-FX Fiber Interface"	1
• Deleted "Additionally, the TLK10xL supports 100Base-FX signaling via an external optical transceiver."	1
• Deleted "SD_IN"	7
• Deleted Redundant row "Power dissipation 200 mW"	9
• Deleted DC Characteristics, SD_IN	11
• V _{TH1} - max value deleted, 200-mV typ value added	11
• Deleted FX Timing	15
• Deleted 25MHz_OUT Clock Timing	27
• Deleted FIBCR Register	47
• Deleted Fiber Mode Control 2 and Fiber Mode Control 3	47
• Deleted Fiber Mode Control	48
• Deleted Fiber Mode Control Register, Fiber Mode Control 2 and Fiber Mode Control 3	50
• Deleted Bit[14] Fiber Mode Control	62
• Changed "Active WOL" to "Active Energy Saving"	66
• Changed "Passive WOL" to "Passive Energy Saving"	66
• Changed "1" to "0"	75
• Deleted Fiber Mode Control Register (FIBCR)	76
• Deleted Fiber Mode Control Register 2 (FIBCR2)	77
• Deleted Fiber Mode Control Register 3 (FIBCR3)	77
• Changed "WOL (Wake-On LAN)" to "Energy Saving"	92
• Changed "WOL (Wake-On LAN)" to "Energy Saving"	92

Changes from Revision Initial (January 2014) to Revision C	Page
• Deleted "IEEE 802.3u 100BASE-FX Fiber Interface"	1
• Deleted "and VARAN"	1
• Deleted "Additionally, the TLK111 supports 100Base-FX signaling via an external optical transceiver."	1
• Deleted "SD_IN"	6
• Deleted Fiber Interface	7
• Deleted 100BaseX Fiber Mode	36
• Changed "WOL (Wake-On LAN)" to "Energy Saving"	38
• Changed "WOL (Wake-On LAN)" to "Energy Saving"	38
• Deleted Fiber Networking Circuit	41
• Deleted FIBCR Register	42
• Deleted Fiber Mode Control 2 and Fiber Mode Control 3	43
• Deleted Fiber Mode Control	44
• Deleted Fiber Mode Control Register, Fiber Mode Control 2 and Fiber Mode Control 3	46
• Deleted Bit[14] Fiber Mode Control	59
• Changed "Active WOL" to "Active Energy Saving"	63
• Changed "Passive WOL" to "Passive Energy Saving"	63
• Changed default values for LEDCR bits 6, 7, 8 from 1 to 0.	69
• Changed "1" to "0"	72
• Deleted Fiber Mode Control Register (FIBCR)	73
• Deleted Fiber Mode Control Register 2 (FIBCR2)	74
• Deleted Fiber Mode Control Register 3 (FIBCR3)	74
• Deleted Redundant row "Power dissipation 200 mW"	80
• Added variable IO capability	81
• Deleted DC Characteristics, SD_IN	81
• V _{TH1} - max value deleted, 200-mV typ value added	81
• Deleted FX Timing	85
• Deleted 25MHz_OUT Clock Timing	97

The datasheet number will be changing.

Device Family	Change From:	Change To:
TLK105L/TLK106L TLK111	SLLSEE3B SLLSEF8B	SLLSEE3C SLLSEF8C

The updated datasheet(s) can be accessed by the following link(s):

<http://www.ti.com/sitesearch/docs/universalsearch.tsp?searchTerm=tlk111#linkId=1&src=top>

<http://www.ti.com/sitesearch/docs/universalsearch.tsp?searchTerm=TLK106L#linkId=1&src=top>

Reason for Change:

To more accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

Electrical specification performance changes as indicated above.

Changes to product identification resulting from this PCN:

None.

Product Affected:

TLK105LRHBR	TLK106LRHBR	TLK111PT
TLK105LRHBT	TLK106LRHBT	TLK111PTR

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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USA	PCNAmericasContact@list.ti.com
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