A Sideband MSG packet consists of a Sideband\_MSG\_Header and a Sideband\_MSG\_Body. The Sideband MSG packet must be less than or equal to 48 bytes. The Sideband\_MSG\_Header contains addressing information while the Sideband\_MSG\_Body contains the data to be transferred. The Sideband MSG packet is defined below.

<b>Table 2-86: S</b>	Sideband MSG	<b>Syntax</b>
----------------------	--------------	---------------

Syntax	No. of Bits	
Sideband_MSG		
{		
Sideband_MSG_Header()		
Sideband_MSG_Body()		
}		

## 2.11.3.1 Sideband MSG Header()

The Sideband MSG header specifies which DP nodes are to process or receive the data of the Sideband MSG. The Sideband MSG header syntax is given below.

Syntax	No. of Bits
Sideband_MSG_Header()	
{	
Link_Count_Total	4
Link_Count_Remaining	4
<pre>for (i = 0; i &lt; Link_Count_Total - 1; i++)</pre>	
{	
Relative_Address[i]	
}	4
<pre>while (!bytealigned())</pre>	
{	
zero_bit	1
}	
Broadcast_Message	1
Path_Message	1
Sideband_MSG_Body_Length	6
Start_Of_Message Transaction	1
End_Of_Message Transaction	1
zero	1
Message_Sequence_No	1
Sideband_MSG_Header_CRC	4
}	

Table 2-87: Sideband MSG Header Syntax

## 2.11.3.1.1 Link\_Count\_Total (LCT)

Link\_Count\_Total is the total number of DP links a Sideband MSG traverses from message originator to message target. The maximum value for Link\_Count\_Total is 15. Therefore, the total number of physical and logical DP links is 15. The total number of physical DP links is limited to 7.

## 2.11.3.1.2 Link\_Count\_Remaining (LCR)

Link\_Count\_Remaining is the remaining number of DP links a Sideband MSG must traverse to reach the message target. The Link\_Count\_Remaining value is initialized to the Link\_Count\_Total value by the originator Sideband MSG layer. Along the message path, the  $\mu$ Packet TX device while forwarding the Sideband MSG decrements the Link\_Count\_Remaining value by one. The Link\_Count\_Remaining value is equal to Link\_Count\_Total – 1 when the message arrives at the first DP node from the message originator.

## 2.11.3.1.3 Relative\_Address (RAD)

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