

MIDI message Karnaugh diagram

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Byte type is data	Incoming byte pre-conditions					Incoming byte description	Current message pre-conditions				Current message description	Action
	System real-time	Start of system exclusive	End of system exclusive	Status reserved	Message size > 0		Current status unknown or reserved	Current status Start of system exclusive	Message size > 0	Message complete		
FALSE	TRUE	X	X	FALSE	X	system-real time; non-reserved	X	X	X	X	Don't care	Notify subscribers of real-time message
		X	X	TRUE	X	system-real time; reserved	X	X	X	X	Don't care	None
	FALSE	TRUE	FALSE	X	X	Start of system exclusive	TRUE	X	X	X	Current status unknown or reserved	Reset message to incoming status
							FALSE	FALSE	FALSE	X	Known status; Message size = 0	
							FALSE	X	TRUE	TRUE	Known status; Message size = 0	
	FALSE	FALSE	FALSE	TRUE	X	End of system exclusive	TRUE	X	X	X	Current status unknown or reserved	Reset message to incoming status; Notify subscribers
							FALSE	X	FALSE	X	Known status; Message size = 0	
							FALSE	X	TRUE	TRUE	Known status; Message size > 0; Message complete	
							FALSE	TRUE	X	X	System exclusive message, incomplete	
	FALSE	FALSE	FALSE	FALSE	FALSE	System common; non-reserved; size = 0	TRUE	X	X	X	Current status unknown or reserved	Reset message to incoming status; Notify subscribers
							FALSE	X	FALSE	X	Known status; Message size = 0	
							FALSE	X	TRUE	TRUE	Known status; Message size > 0; Message complete	
	FALSE	FALSE	FALSE	TRUE	FALSE	System common; reserved; size = 0	X	X	X	X	Don't care	None
	FALSE	FALSE	FALSE	FALSE	FALSE	Channel or System common; non-reserved; size > 0	TRUE	X	X	X	Current status unknown or reserved	Reset message to incoming status
FALSE							X	FALSE	X	Known status; Message size = 0		
FALSE							X	TRUE	TRUE	Known status; Message size > 0; Message complete		
FALSE	X	X	X	X	Not system-real time	FALSE	X	TRUE	FALSE	Known status; Message size > 0; Message incomplete	Reset message to status "unknown"	
TRUE	X	X	X	X	Data	TRUE	X	X	X	Current status unknown or reserved	None	
						FALSE	X	FALSE	X	Known status; Message size = 0		
						FALSE	X	TRUE	TRUE	Known status; Message size > 0; Message complete		
						FALSE	X	TRUE	FALSE	Known status; Message size > 0; Message incomplete		