

产品概览

LC72717PW: Mobile FM Multiplex Broadcast Demodulator (DARC) Receiver

欲看完整文档，请参阅数据表。

The LC72717PW is a data demodulation LSI for receiving FM multiplex broadcasts for mobile reception in the DARC format. This LSI includes an on-chip bandpass filter for extracting the DARC signal from the FM baseband signal. It also supports ITU-R recommended FM multiplex frame structures (methods A, A', B, and C) and can implement a compact, multifunction DARC reception system. The LC72717PW's package, pin assignment and electrical characteristics are same as the LC72715PW (VICS-LSI). Functionally, the LC72717PW is a product that VICS function is removed from the LC72715PW. The LC72717PW is also control-compatible with the LC72711LW. Note that a contract with the NHK Engineering System, Inc. may be required to produce DARC compatible products in case, please contact with the NHK Engineering System, Inc.

特性

- Adjustment-free 76 kHz SCF bandpass filter
- Supports all FM multiplex frame structures under CPU control.
- MSK delay detection system based on a 1T delay.
- Error correction function based on a 2T delay (in the MSK detection stage)
- Digital PLL based clock regeneration function
- Shift-register 1T and 2T delay circuits
- Block and frame synchronization detection circuits
- Functions for setting the number of allowable BIC errors and the number of synchronization protection operations.
- Error correction using (272, 190) codes
- Built-in layer 4 CRC code checking circuit

For more features, see the data sheet

器件电气规格

产品	Compliance	Status	Function	Control Type	f _s Max (kHz)	Power Dissipation Max (mW)	Supply Voltage Min (V)	Supply Voltage Max (V)	Operating Temp Min (°C)	Operating Temp Max (°C)	Package Type
LC72717PW-H	Pb-free	Active	Mobile FM Multi Broadcast Demodulator	Parallel	-	200	2.7	3.6	-40	85	SPQFP-64 / SQFP-64
	Halide free										
LC72717PW-NH	Pb-free	Active	Mobile FM Multi Broadcast Demodulator	Parallel	-	200	2.7	3.6	-40	85	SPQFP-64 / SQFP-64
	Halide free										

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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