

The developers passive starter pack for Qualcomm QCC5100 series

Low Power Bluetooth Audio SoC Series

To help meet consumer demand for audio quality as well as extended battery life and playback time in wireless audio devices, Qualcomm Technology International, Ltd.'s (QTI) breakthrough Qualcomm® QCC5100 series is engineered to reduce power consumption by up to 65 percent for both voice calls and music streaming compared to their previous single-chip Bluetooth audio solutions.

Our latest pack will provide you with a comprehensive set of components with supporting part information to give you everything you need to aid your design when implementing the QCC5100 series.

- Packaged with passive components working closely with QTI for maximum performance
- Reference design kit with passive components to support your
- design Optional components for small size applications are also available

Visit our reference design page

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Passive design pack supporting
QCC5100 series
go.murata.com/qcc5100



Qualcomm

working closely
with QTI



Passive design pack

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supporting **QCC5100 series**

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*This sample pack does not include the Qualcomm IC, flash memory and resistors.

Quantity Required	Description	Value	Tolerance	Voltage	Material	Package	Manufacturer	Manufacturers Part No.
1	Stereo/Mono WLP81 4.015x3.977 0.4mm pitch	QCC5121/ QCC3026				WLP81	QTI	QCC5121/QCC3026
1	1V8 64MBit Serial Flash Memory with DUAL/QUAD SPI & QPI							
1	2.45GHz band pass chip filter	2.45GHz				1.6 x 0.8 x 0.6 mm	Murata	LFB182G45SG9A272
1	Crystal	32MHz	±10 ppm			2.0 x 1.6 mm	Murata	XRCGB32M000F1H19R0
11	Capacitor	2.2uF	10%	6V3	X5R	0402	Murata	GRM155R60J225KE01D
5	Capacitor	470nF	20%	4V	X5R	0201	Murata	GRM033R60G474ME90
2	Capacitor	1.0uF	20%	6V3	X5R	0201	Murata	GRM033R60J105ME11
1	Capacitor	10pF	2%	25V	COG	0201	Murata	GRM0335C1E100GA01D
1	Capacitor	100nF	10%	6V3	X5R	0201	Murata	GRM033R60J104KE19D
1	Capacitor	10nF	10%	6V3	X7R	0201	Murata	GRM033R70J103KA01D
2	Inductor	4.7uH	20%		Metal Alloy	0806	Murata	DPE201610E-4R7M=P2
2	Resistor	10kΩ 0.1W	5%		Thick Film	0201		
1	Resistor	0.51Ω 0.1W	5%		Thick Film	0201		
1	Capacitor	1.5pF	0.25pF	25V	COG	0201	Murata	GRM0335C1E1R5CA01D