

QRB5165
BB/PMIC/Codec
DoC/KBA list

QRB5165 Key BB Doc List (1)

Common	
80-PV086-1	QRB5165 DATA SHEET
80-PV086-1A	QRB5165 PIN ASSIGNMENT AND GPIO CONFIGURATION SPREADSHEET
80-PV086-2X	QRB5165 HARDWARE REGISTER DESCRIPTION
80-PV086-4	QRB5165 DEVICE REVISION GUIDE
80-PV086-5	QRB5165 TECHNICAL REFERENCE MANUAL
80-PL546-5C	SM8250/SXR2130P/QRB5165/QRB5165N/QCS8250/QCS8245 AUDIO CODEC HARDWARE OVERVIEW DESIGN GUIDELINES/TRAINING SLIDES
80-PL546-5D	SM8250/SXR2130P/QRB5165/QCS8250/QCS8245 PHY TUNING GUIDE

QRB5165 Key BB Doc List (2)

Common	
80-PD867-14	SM8150/SM8250/SXR2130P/QRB5165/QCS8250/QCS8245 SDC2 Spread Spectrum Clock User Guide
80-VP300-16	POP MEMORY FOR SM8250/SXR2130P/QRB5165/QCS8250/QCS8245 RECOMMENDATIONS
80-PD867-16	SECURE PROCESSOR UNIT (SPU) - ANTI-REPLAY ISLAND (ARI) OVERVIEW FOR SM8150/SM8250/SXR2130P/SA8155/QCS8250/QCS8245
80-PV086-97	QRB5165 QFPROM PROGRAMMING REFERENCE GUIDE

QRB5165 Key BB Doc List (3)

Reference Schematics	
80-PV086-41	QRB5165 RB5 SOM DESIGN EXAMPLE SCHEMATIC
DP25-PV086-42	DESIGN PACKAGE, QRB5165 RB5 MAIN BOARD
DP25-PV086-43	DESIGN PACKAGE, QRB5165 RB5 NAVIGATION MEZZANINE
DP25-PV086-45	DESIGN PACKAGE,DESIGN PACKAGE, QRB5165 RB5 5G MEZZANINE
80-PV086-111	QRB5165 SCHEMATIC REVIEW CHECKLIST
80-PV086-112	QRB5165 LAYOUT REVIEW CHECKLIST

QRB5165 Key PMIC Doc List (1)

PM8250	
80-PD995-1	PM8150/PM8250/PRB5165 Device Specification
HRD-PM8250-R	PM8250 Hardware Register Description
HRD-PM8250-P	PM8250 Hardware Register Description
HRD-PM8250-H	PM8250 Hardware Register Description
HRD-PM8250-C	PM8250 Hardware Register Description
HRD-PM8250-S	PM8250 Hardware Register Description
80-PD995-4	PM8150/PM8250 DEVICE REVISION GUIDE
80-PD995-5	PM8150/PM8250 POWER MANAGEMENT IC DESIGN GUIDELINES/TRAINING SLIDES

QRB5165 Key PMIC Doc List (2)

PM8150B	
80-PD996-1	PM8150B DEVICE SPECIFICATION
HRD-PM8150B-S	PM8150B Hardware Register Description
80-PD996-4	PM8150B DEVICE REVISION GUIDE
80-PD996-5	PM8150B DESIGN GUIDELINES/TRAINING SLIDES
80-PD996-14	UNDERSTANDING PM8150B FUEL GAUGE, ADC, AND BATTERY INTERFACE MODULES APPLICATION NOTE
80-PD996-15	PM8150B FUEL GAUGE SOC ACCURACY APPLICATION NOTE
80-PD996-16	QUALCOMM REFERENCE DESIGN (QRD)8250 PM8150B HAPTICS TUNING APPLICATION NOTE

QRB5165 Key PMIC Doc List (3)

PM8150A/L & PM8009	
80-PD997-1	PM8150L AND PM8150A DEVICE SPECIFICATION
HRD-PM8150A-S	PM8150A Hardware Register Description
80-PD997-4	PM8150L AND PM8150A DEVICE REVISION GUIDE
80-PD997-5	PM855L AND PM855A DESIGN GUIDELINES/TRAINING SLIDES
80-PD998-1	PM8009 POWER MANAGEMENT IC DEVICE SPECIFICATION
80-PD998-2X	PM8009 HARDWARE REGISTER DESCRIPTION
80-PD998-4	PM8009 DEVICE REVISION GUIDE
80-PD998-5	PM8009 POWER MANAGEMENT IC DESIGN GUIDELINES/TRAINING SLIDES

QRB5165 Key PMIC Doc List (4)

PM3003A & PMK8002 & SMB1390	
80-P9257-1	PM3003A DEVICE SPECIFICATION
80-PC444-1	PMK8002 DEVICE SPECIFICATION
80-PC444-4	PMK8002 DEVICE REVISION GUIDE
80-PC444-5	PMK8002 POWER MANAGEMENT IC DESIGN GUIDELINES/TRAINING SLIDES
80-PD994-1	SMB1390 DIV/2 CHARGE PUMP CHARGER IC DEVICE SPECIFICATION
80-PD994-2X	SMB1390 DIV/2 CHARGE PUMP CHARGER IC HARDWARE REGISTER DESCRIPTION
80-PD994-4	SMB1390 DIV/2 CHARGE PUMP CHARGER IC DEVICE REVISION GUIDE
80-PD994-5	SMB1390 DIV/2 CHARGE PUMP CHARGER IC DESIGN GUIDELINES/TRAINING SLIDES

QRB5165 Key Codec Doc List (1)

WCD9380_WCD9385	
80-PL335-1	QUALCOMM AQSTIC WCD9380/WCD9385 DEVICE SPECIFICATION
80-PL335-2X	WCD9385/WCD9380 HARDWARE REGISTER DESCRIPTION
80-PL335-4	QUALCOMM AQSTIC WCD9380/WCD9385 DEVICE REVISION GUIDE
80-PL335-5	QUALCOMM AQSTIC WCD9380/WCD9385 AUDIO CODEC HARDWARE DESIGN GUIDELINES/TRAINING SLIDES
80-PL335-111	WCD9385/WCD9380 SCHEMATIC REVIEW CHECKLIST

QRB5165 Key Codec Doc List (2)



WSA8810_WSA8815	
80-NT783-1	QUALCOMM AQSTIC WSA8810 CLASS-D SMART SPEAKER AMPLIFIER DEVICE SPECIFICATION
80-NT783-4	WSA8810 SPEAKER AMPLIFIER DEVICE REVISION GUIDE
80-NT783-13	WSA881X BOOST COMPONENT CUSTOMIZED APP NOTE
80-NT783-21	WSA8810/WSA8815 SMART SPEAKER AMPLIFIER TRAINING SLIDES
80-NT783-111	WSA8815/WSA8810 SCHEMATIC REVIEW CHECKLIST
80-NT955-1	QUALCOMM AQSTIC WSA8815 CLASS-D SMART SPEAKER AMPLIFIER DEVICE SPECIFICATION
80-NT955-4	WSA8815 SPEAKER AMPLIFIER DEVICE REVISION GUIDE
80-NT955-13	WSA8815 MAXIMUM BOOST STAGE SETTING APPLICATION NOTE
80-NT955-41	WSA8815 SPEAKER AMPLIFIER DAUGHTER CARD SCHEMATICS

Other Key Useful DoC and KBA List

KBA-190811195504	KBA for baseband layout guide with lesson learn
KBA-190424003207	Master KBA for PMIC hardware
KBA-180301233200	How to create PMIC hardware case
KBA-161027005714	How to submit DDR simulation case
KBA-161027011738	How to submit PDN case
kba-170316034332	Memory_verification_in_cmsl_sop
KBA-180117180930	How to create Battery Characterization test case



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