

XM/XR RF Amplifier Development Boards

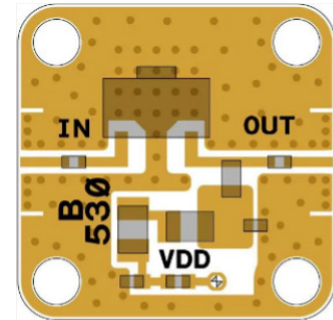
X-MWblock

01/23/2026

For the most up-to-date information, visit [mouser.com](https://www.mouser.com) or the manufacturer's website.

DESCRIPTION

Quantic X-Microwave XM/XR RF Amplifier Development Boards allow rapid prototyping with modular blocks. These boards offer solutions for various component manufacturers, including Qorvo, Analog Devices, MACOM, and Mini-Circuits. The X-MWblock development boards are used in wireless infrastructure, radar, navigation, transportation, quantum computing, medical devices, and test and measurement.



All the XR part numbers are RoHS-compliant.

APPLICATIONS

- Wireless infrastructure
- Radar
- Navigation
- Transportation
- Quantum computing
- Medical devices
- Test and measurement

**LIST OF PARTS**

MOUSER PART NUMBERS	PRODUCT DESCRIPTION
433-XM-A5W8-0404D	Amplifier, AD8353ACPZ [PCB: 623]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5U9-0404D	Amplifier, AD8353ACPZ [PCB: 623]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5W9-0404D	Amplifier, AD8354ACPZ [PCB: 623]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A5W8-0404D	Amplifier, AD8354ACPZ [PCB: 623]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-D3A9-0604D	Amplifier, AD8367ARUZ [PCB: 2512]F(3dB)=500MHz, Default Connection as AGC Mode similar to MFG Eval Board-Recommended Controller: XM-D3W8-0604D-SP
433-XR-D3A9-0604D	Amplifier, AD8367ARUZ [PCB: 2512]F(3dB)=500MHz, Default Connection as AGC Mode similar to MFG Eval Board-Recommended Controller: XR-D3W8-0604D-SP
433-XM-A5T5-0804D	Amplifier, ADL5324ARKZ [PCB: 1688]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XM-A622-0404D	Amplifier, ADL5521ACPZ [PCB: 1235]Recommended Bias Controller: XM-A7A1-0404D-SP
433-XR-A5W9-0404D	Amplifier, ADL5521ACPZ [PCB: 1235]Recommended Bias Controller: XR-A7A1-0404D-SP
433-XM-B135-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 1300 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B135-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 1300 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B1V5-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 1950 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B1V5-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 1950 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B2A8-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 2140 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B2A8-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 2140 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A623-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 500 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A622-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 500 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B134-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 900 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B134-0404D	Amplifier, ADL5523ACPZ [PCB: 1235]Tuned for 900 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP



433-XM-A4H8-0404D	Amplifier, ADL5530ACPZ [PCB: 403]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A4H8-0404D	Amplifier, ADL5530ACPZ [PCB: 403]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-B6M9-0404D	Amplifier, ADL5530ACPZ [PCB: 508]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B6M9-0404D	Amplifier, ADL5530ACPZ [PCB: 508]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A624-0404D	Amplifier, ADL5531ACPZ [PCB: 631]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A623-0404D	Amplifier, ADL5531ACPZ [PCB: 631]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5E1-0404D	Amplifier, ADL5535ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5E1-0404D	Amplifier, ADL5535ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5E2-0404D	Amplifier, ADL5536ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5E2-0404D	Amplifier, ADL5536ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A626-0404D	Amplifier, ADL5541ACPZ [PCB: 632]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A624-0404D	Amplifier, ADL5541ACPZ [PCB: 632]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A627-0404D	Amplifier, ADL5542ACPZ [PCB: 632]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A626-0404D	Amplifier, ADL5542ACPZ [PCB: 632]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5E3-0404D	Amplifier, ADL5544ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5E3-0404D	Amplifier, ADL5544ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3V1-0404D	Amplifier, ADL5545ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3V1-0404D	Amplifier, ADL5545ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B1D2-0609D	Amplifier, ADL5565ACPZ [PCB: 1307]Recommended Bias Controller: XM-B1E3-0405D-SP
433-XR-B1D2-0609D	Amplifier, ADL5565ACPZ [PCB: 1307]Recommended Bias Controller: XR-B1E3-0405D-SP
433-XM-A5E5-0404D	Amplifier, ADL5601ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5E5-0404D	Amplifier, ADL5601ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5E6-0404D	Amplifier, ADL5602ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP



433-XR-A5E6-0404D	Amplifier, ADL5602ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A4H9-0404D	Amplifier, ADL5611ARKZ [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A4H9-0404D	Amplifier, ADL5611ARKZ [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-D3A5-0404D	Amplifier, ADL8106ACEZ [PCB: 2550]Recommended Bias Controller: XM-D437-0404D-SP
433-XR-D3A5-0404D	Amplifier, ADL8106ACEZ [PCB: 2550]Recommended Bias Controller: XR-D437-0404D-SP
433-XM-D3U7-0304D	Amplifier, ADL8142ACPZN [PCB: 2482]Recommended control board: XM-D4D8-0304D-SP
433-XR-D3U7-0304D	Amplifier, ADL8142ACPZN [PCB: 2482]Recommended control board: XR-D4D8-0304D-SP
433-XM-D2D7-0404D	Amplifier, ADL9005ACPZN [PCB: 2257]Recommended Bias Controller: XM-D2K3-0604D-SP
433-XR-D2D7-0404D	Amplifier, ADL9005ACPZN [PCB: 2257]Recommended Bias Controller: XR-D2K3-0604D-SP
433-XM-A831-0404D	Amplifier, ADL9006ACGZN [PCB: 2046]Recommended Bias Controller: XM-B1C4-0404D-SP
433-XR-A831-0404D	Amplifier, ADL9006ACGZN [PCB: 2046]Recommended Bias Controller: XR-B1C4-0404D-SP
433-XM-C7R2-0404D	Amplifier, ADM-0026-5929SM [PCB: 1645]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-C7R2-0404D	Amplifier, ADM-0026-5929SM [PCB: 1645]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A3B4-0404D	Amplifier, AM1016B [PCB: 269]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A3B4-0404D	Amplifier, AM1016B [PCB: 269]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A9T2-0404D	Amplifier, AM1018A [PCB: 269]Recommended Bias Controller: XM-A2J8-0404D-SP
433-XR-A9T2-0404D	Amplifier, AM1018A [PCB: 269]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A9T3-0404D	Amplifier, AM1018B [PCB: 269]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A9T3-0404D	Amplifier, AM1018B [PCB: 269]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3B9-0404D	Amplifier, AM1025B [PCB: 269]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-A3B9-0404D	Amplifier, AM1025B [PCB: 269]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-A3C1-0404D	Amplifier, AM1031C [PCB: 269]Recommended Bias Controller: XM-A2J8-0404D-SP



433-XR-A3C1-0404D	Amplifier, AM1031C [PCB: 269]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A9T5-0404D	Amplifier, AM1063-1 [PCB: 269]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A9T5-0404D	Amplifier, AM1063-1 [PCB: 269]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B5R3-0404D	Amplifier, AM1063-2 [PCB: 1189]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B5R3-0404D	Amplifier, AM1063-2 [PCB: 1189]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A9T6-0404D	Amplifier, AM1064-1 [PCB: 269]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A9T6-0404D	Amplifier, AM1064-1 [PCB: 269]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A9T4-0404D	Amplifier, AM1070-1 [PCB: 269]Recommended Bias Controller: XM-A2J8-0404D-SP
433-XR-A9T4-0404D	Amplifier, AM1070-1 [PCB: 269]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A6K8-0404D	Amplifier, AM1071-1 [PCB: 269]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A6K8-0404D	Amplifier, AM1071-1 [PCB: 269]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B3U1-0404D	Amplifier, AM1082 [PCB: 815]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B3U1-0404D	Amplifier, AM1082 [PCB: 815]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C887-0404D	Amplifier, APM-6849SM [PCB: 1668]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C887-0404D	Amplifier, APM-6849SM [PCB: 1668]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B216-0404D	Amplifier, AVA-183A+ [PCB: 730]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B216-0404D	Amplifier, AVA-183A+ [PCB: 730]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7J6-0404D	Amplifier, AVA-24A+ [PCB: 730]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A7J6-0404D	Amplifier, AVA-24A+ [PCB: 730]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C564-0404D	Amplifier, CMA-103+ [PCB: 1350]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C564-0404D	Amplifier, CMA-103+ [PCB: 1350]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C7C7-0404D	Amplifier, CMA-183L+ [PCB: 1318]Recommended Bias Controller: XM-A2J9-0404D-SP



433-XR-C7C1-0604D	Amplifier, CMA-183L+ [PCB: 1318]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A2N4-0404D	Amplifier, CMA-545+ [PCB: 136]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A2N4-0404D	Amplifier, CMA-545+ [PCB: 136]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-C563-0404D	Amplifier, CMA-545G1+ [PCB: 1295]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C563-0404D	Amplifier, CMA-545G1+ [PCB: 1295]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C771-0404D	Amplifier, CMA-63+ [PCB: 1541]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C771-0404D	Amplifier, CMA-63+ [PCB: 1541]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C8A7-0404D	Amplifier, CMA-84+ [PCB: 1541]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C8A7-0404D	Amplifier, CMA-84+ [PCB: 1541]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3E6-0804D	Amplifier, CMD192C5 [PCB: 0134]Recommended Bias Controller: XM-A379-0804D-SP
433-XR-A3E6-0804D	Amplifier, CMD192C5 [PCB: 0134]Recommended Bias Controller: XR-A379-0804D-SP
433-XM-A9R3-0804D	Amplifier, CMD201P5 [PCB: 134]Recommended Bias Controller: XM-B1C2-0804D-SP
433-XR-A9R3-0804D	Amplifier, CMD201P5 [PCB: 134]Recommended Bias Controller: XR-B1C2-0804D-SP
433-XM-A9W7-0404D	Amplifier, CMD231C3 [PCB: 1250]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A9W7-0404D	Amplifier, CMD231C3 [PCB: 1250]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7C6-0404D	Amplifier, CMD233C4 [PCB: 774]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A7C6-0404D	Amplifier, CMD233C4 [PCB: 774]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A4W1-0404D	Amplifier, CMD240P4 [PCB: 459]Recommended Bias Controller: XM-A4W2-0404D-SP
433-XR-A4W1-0404D	Amplifier, CMD240P4 [PCB: 459]Recommended Bias Controller: XR-A4W2-0404D-SP
433-XM-A7J4-0404D	Amplifier, CMD241P4 [PCB: 930]Recommended Bias Controller: XM-A581-0404D-SP
433-XR-A7J4-0404D	Amplifier, CMD241P4 [PCB: 930]Recommended Bias Controller: XR-A581-0404D-SP
433-XM-C7R6-0404D	Amplifier, CMD242K4 [PCB: 1704]Recommended Bias Controller: XM-C7Y6-0404D-SP

433-XR-C7R6-0404D	Amplifier, CMD242K4 [PCB: 1704]Recommended Bias Controller: XR-C7Y6-0404D-SP
433-XM-A9R4-0804D	Amplifier, CMD244K5 [PCB: 134]Recommended Bias Controller: XM-B1V9-0804D-SP
433-XR-A9R4-0804D	Amplifier, CMD244K5 [PCB: 134]Recommended Bias Controller: XR-B1V9-0804D-SP
433-XM-A9R7-0804D	Amplifier, CMD249P5 [PCB: 134]Recommended Bias Controller: XM-B936-0804D-SP
433-XR-A9R7-0804D	Amplifier, CMD249P5 [PCB: 134]Recommended Bias Controller: XR-B936-0804D-SP
433-XM-A9X1-0404D	Amplifier, CMD263P3 [PCB: 186]Recommended Bias Controller: XM-A6E9-0404D-SP
433-XR-A9X1-0404D	Amplifier, CMD263P3 [PCB: 186]Recommended Bias Controller: XR-A6E9-0404D-SP
433-XM-A9W8-0404D	Amplifier, CMD264P3 [PCB: 187]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A9W8-0404D	Amplifier, CMD264P3 [PCB: 187]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-B8D3-0404D	Amplifier, CMD270P3 [PCB: 187]Recommended Bias Controller: XM-B5G7-0404D-SP
433-XR-B8D3-0404D	Amplifier, CMD270P3 [PCB: 187]Recommended Bias Controller: XR-B5G7-0404D-SP
433-XM-C7D5-0404D	Amplifier, CMD271P3 [PCB: 187]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C7C7-0404D	Amplifier, CMD271P3 [PCB: 187]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C7D7-0404D	Amplifier, CMD295C4 [PCB: 452]Recommended Bias Controller: XM-A5C8-0404D-SP
433-XR-C7D6-0404D	Amplifier, CMD295C4 [PCB: 452]Recommended Bias Controller: XR-A5C8-0404D-SP
433-XM-C7E1-0404D	Amplifier, CMD305C4 [PCB: 251]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C7E1-0404D	Amplifier, CMD305C4 [PCB: 251]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C7E3-0404D	Amplifier, CMD307P3 [PCB: 187]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-C7E3-0404D	Amplifier, CMD307P3 [PCB: 187]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-C7E4-0404D	Amplifier, CMD308P4 [PCB: 251]Recommended Bias Controller: XM-B5G7-0404D-SP
433-XR-C7E4-0404D	Amplifier, CMD308P4 [PCB: 251]Recommended Bias Controller: XR-B5G7-0404D-SP
433-XM-C7E5-0404D	Amplifier, CMD309P4 [PCB: 251]Recommended Bias Controller: XM-B5G7-0404D-SP



433-XR-C7E5-0404D	Amplifier, CMD309P4 [PCB: 251]Recommended Bias Controller: XR-B5G7-0404D-SP
433-XM-C7E6-0404D	Amplifier, CMD315C4 [PCB: 444]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C7E6-0404D	Amplifier, CMD315C4 [PCB: 444]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C7E7-0404D	Amplifier, CMD316C3 [PCB: 737]Recommended Bias Controller: XM-B5G7-0404D-SP
433-XR-C7E7-0404D	Amplifier, CMD316C3 [PCB: 737]Recommended Bias Controller: XR-B5G7-0404D-SP
433-XM-C7E8-0404D	Amplifier, CMD317C4 [PCB: 320]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-C7E8-0404D	Amplifier, CMD317C4 [PCB: 320]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-C7E9-0404D	Amplifier, CMD318P3 [PCB: 186]Recommended Bias Controller: XM-A6E9-0404D-SP
433-XR-C7E9-0404D	Amplifier, CMD318P3 [PCB: 186]Recommended Bias Controller: XR-A6E9-0404D-SP
433-XM-A826-0404D	Amplifier, CMD328K3 [PCB: 278]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A826-0404D	Amplifier, CMD328K3 [PCB: 278]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-D129-0404D	Amplifier, EHC-24L+ [PCB: 2]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-D129-0404D	Amplifier, EHC-24L+ [PCB: 2]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A118-0404D	Amplifier, ERA-21SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A118-0404D	Amplifier, ERA-21SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A115-0404D	Amplifier, ERA-2SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A115-0404D	Amplifier, ERA-2SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A157-0404D	Amplifier, ERA-4SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A157-0404D	Amplifier, ERA-4SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-C882-0404D	Amplifier, ERA-50SM+ [PCB: 1]VDD = 12VRecommended Bias Controller: XM-A2J5-0404D-SP
433-XR-C882-0404D	Amplifier, ERA-50SM+ [PCB: 1]VDD = 12VRecommended Bias Controller: XR-A2J5-0404D-SP
433-XM-B5A7-0404D	Amplifier, ERA-50SM+ [PCB: 1]VDD = 7VRecommended Bias Controller: XM-A2K1-0404D-SP



433-XR-B5A7-0404D	Amplifier, ERA-50SM+ [PCB: 1]VDD = 7VRecommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A116-0404D	Amplifier, ERA-5SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A116-0404D	Amplifier, ERA-5SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A158-0404D	Amplifier, ERA-6SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A158-0404D	Amplifier, ERA-6SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A117-0404D	Amplifier, ERA-9SM+ [PCB: 1]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A117-0404D	Amplifier, ERA-9SM+ [PCB: 1]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A135-0404D	Amplifier, Gali-1+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A135-0404D	Amplifier, Gali-1+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A136-0404D	Amplifier, Gali-19+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A136-0404D	Amplifier, Gali-19+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A112-0404D	Amplifier, Gali-2+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A112-0404D	Amplifier, Gali-2+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A137-0404D	Amplifier, Gali-21+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A137-0404D	Amplifier, Gali-21+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A138-0404D	Amplifier, Gali-24+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A138-0404D	Amplifier, Gali-24+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A139-0404D	Amplifier, Gali-29+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A139-0404D	Amplifier, Gali-29+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A141-0404D	Amplifier, Gali-3+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A141-0404D	Amplifier, Gali-3+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A142-0404D	Amplifier, Gali-33+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP



433-XR-A142-0404D	Amplifier, Gali-33+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A143-0404D	Amplifier, Gali-39+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A143-0404D	Amplifier, Gali-39+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A8A6-0404D	Amplifier, Gali-4+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A8A6-0404D	Amplifier, Gali-4+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A144-0404D	Amplifier, Gali-49+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A144-0404D	Amplifier, Gali-49+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A8A7-0404D	Amplifier, Gali-4F+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A8A7-0404D	Amplifier, Gali-4F+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A145-0404D	Amplifier, Gali-5+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A145-0404D	Amplifier, Gali-5+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-B5A2-0404D	Amplifier, Gali-51+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XM-A111-0404D	Amplifier, Gali-51+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-B5A2-0404D	Amplifier, Gali-51+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XR-A111-0404D	Amplifier, Gali-51+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A146-0404D	Amplifier, Gali-51F+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A146-0404D	Amplifier, Gali-51F+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A147-0404D	Amplifier, Gali-52+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A147-0404D	Amplifier, Gali-52+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A148-0404D	Amplifier, Gali-55+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A148-0404D	Amplifier, Gali-55+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A149-0404D	Amplifier, Gali-59+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP



433-XR-A149-0404D	Amplifier, Gali-59+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A8A8-0404D	Amplifier, GALI-5F+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A8A8-0404D	Amplifier, GALI-5F+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A113-0404D	Amplifier, Gali-6+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A113-0404D	Amplifier, Gali-6+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A151-0404D	Amplifier, Gali-6F+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A151-0404D	Amplifier, Gali-6F+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A152-0404D	Amplifier, Gali-74+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A152-0404D	Amplifier, Gali-74+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A114-0404D	Amplifier, Gali-84+ [PCB: 530]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A114-0404D	Amplifier, Gali-84+ [PCB: 530]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A8A9-0404D	Amplifier, Gali-S66+ [PCB: 530]Recommended Bias Controller: XM-A6E9-0404D-SP
433-XR-A8A9-0404D	Amplifier, Gali-S66+ [PCB: 530]Recommended Bias Controller: XR-A6E9-0404D-SP
433-XM-A579-0404D	Amplifier, GRF2011 [PCB: 2011]0.7 to 3.8 GHz TuneRecommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A579-0404D	Amplifier, GRF2011 [PCB: 2011]0.7 to 3.8 GHz TuneRecommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A584-0404D	Amplifier, GRF2013 [PCB: 2011]Tuned for F=0.05-2.2GHz VDD=+5V Ven=Self-BiasRecommended Bias Controller: XM-B1C4-0404D-SP
433-XR-A584-0404D	Amplifier, GRF2013 [PCB: 2011]Tuned for F=0.05-2.2GHz VDD=+5V Ven=Self-BiasRecommended Bias Controller: XR-B1C4-0404D-SP
433-XM-A586-0404D	Amplifier, GRF2071 [PCB: 2013]1.7 to 2.7 GHz TuneRecommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A586-0404D	Amplifier, GRF2071 [PCB: 2013]1.7 to 2.7 GHz TuneRecommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A817-0404D	Amplifier, GRF4003 [PCB: 2011]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A817-0404D	Amplifier, GRF4003 [PCB: 2011]Recommended Bias Controller: XR-A2J9-0404D-SP

433-XM-D171-0404D	Amplifier, GRF5010 [PCB: 2159]Tuned for F=10M-Hz-200MHzRecommended Bias Controller: XM-A4E3-0404D-SP
433-XR-D171-0404D	Amplifier, GRF5010 [PCB: 2159]Tuned for F=10M-Hz-200MHzRecommended Bias Controller: XR-A4E3-0404D-SP
433-XM-A358-0404D	Amplifier, GVA-123+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A358-0404D	Amplifier, GVA-123+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B1-0404D	Amplifier, GVA-60+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B1-0404D	Amplifier, GVA-60+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B2-0404D	Amplifier, GVA-62+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B2-0404D	Amplifier, GVA-62+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A4G4-0404D	Amplifier, GVA-63+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A4G4-0404D	Amplifier, GVA-63+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B3-0404D	Amplifier, GVA-81+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B3-0404D	Amplifier, GVA-81+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B4-0404D	Amplifier, GVA-82+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B4-0404D	Amplifier, GVA-82+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B5-0404D	Amplifier, GVA-83+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B5-0404D	Amplifier, GVA-83+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B6-0404D	Amplifier, GVA-84+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B6-0404D	Amplifier, GVA-84+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B7-0404D	Amplifier, GVA-91+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B7-0404D	Amplifier, GVA-91+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8B8-0404D	Amplifier, GVA-92+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8B8-0404D	Amplifier, GVA-92+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP



433-XM-A3E1-0404D	Amplifier, HMC1040LP3CE [PCB: 278]Recommended Bias Controller: XM-A2J7-0404D-SP
433-XR-A3E1-0404D	Amplifier, HMC1040LP3CE [PCB: 278]Recommended Bias Controller: XR-A2J7-0404D-SP
433-XM-A5U2-0804D	Amplifier, HMC1049LP5E [PCB: 134]Recommended Bias Controller: XM-A8A4-0804D-SP
433-XR-A5T7-0804D	Amplifier, HMC1049LP5E [PCB: 134]Recommended Bias Controller: XR-A8A4-0804D-SP
433-XM-A641-0804D	Amplifier, HMC1082LP4E [PCB: 462]Recommended Bias Controller: XM-A7P7-0804D-SP
433-XR-A627-0404D	Amplifier, HMC1082LP4E [PCB: 462]Recommended Bias Controller: XR-A7P7-0804D-SP
433-XR-A641-0804D	Amplifier, HMC1082LP4E [PCB: 462]Recommended Bias Controller: XR-A7P7-0804D-SP
433-XM-A647-0506D	Amplifier, HMC1121LP6GE [PCB: 2122]Recommended Bias Controller: Topside Bias 2xHMC980LP4E - XM-D178-0404D-SP
433-XR-A647-0506D	Amplifier, HMC1121LP6GE [PCB: 2122]Recommended Bias Controller: Topside Bias 2xHMC980LP4E - XR-D178-0404D-SP
433-XM-A648-0404D	Amplifier, HMC1131LC4 [PCB: 636]Recommended Bias Controller: XM-C7P8-0404D-SP
433-XR-A648-0404D	Amplifier, HMC1131LC4 [PCB: 636]Recommended Bias Controller: XR-C7P8-0404D-SP
433-XM-A662-0404D	Amplifier, HMC311LP3 [PCB: 269]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A662-0404D	Amplifier, HMC311LP3 [PCB: 269]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A663-0404D	Amplifier, HMC311SC70E [PCB: 470]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A663-0404D	Amplifier, HMC311SC70E [PCB: 470]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5E9-0404D	Amplifier, HMC311ST89E [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5E9-0404D	Amplifier, HMC311ST89E [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A664-0404D	Amplifier, HMC313E [PCB: 1127]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A664-0404D	Amplifier, HMC313E [PCB: 1127]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C3N4-0804D	Amplifier, HMC327MS8GE [PCB: 429]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C3N4-0804D	Amplifier, HMC327MS8GE [PCB: 429]Recommended Bias Controller: XR-A2J9-0404D-SP



433-XM-A5N7-0404D	Amplifier, HMC342LC4 [PCB: 450]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A5N7-0404D	Amplifier, HMC342LC4 [PCB: 450]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A339-0404D	Amplifier, HMC3653LP3BE [PCB: 961]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A339-0404D	Amplifier, HMC3653LP3BE [PCB: 961]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A676-0404D	Amplifier, HMC375LP3E [PCB: 1163]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A676-0404D	Amplifier, HMC375LP3E [PCB: 1163]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3A3-0404D	Amplifier, HMC383LC4 [PCB: 450]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3A3-0404D	Amplifier, HMC383LC4 [PCB: 450]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B1J3-0404D	Amplifier, HMC392ALC4 [PCB: 450]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B1J3-0404D	Amplifier, HMC392ALC4 [PCB: 450]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A679-0404D	Amplifier, HMC407MS8GE [PCB: 0644]Recommended Bias Controller: XM-A2J9-0404D
433-XR-A679-0404D	Amplifier, HMC407MS8GE [PCB: 0644]Recommended Bias Controller: XR-A2J9-0404D
433-XM-D2G4-0604D	Amplifier, HMC409LP4E [PCB: 2379]Recommended Bias Controller: XM-D2G5-0604D-SP
433-XR-D2G4-0604D	Amplifier, HMC409LP4E [PCB: 2379]Recommended Bias Controller: XR-D2G5-0604D-SP
433-XM-A2A3-0404D	Amplifier, HMC441LC3B [PCB: 3]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A2A3-0404D	Amplifier, HMC441LC3B [PCB: 3]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C598-0404D	Amplifier, HMC451LC3 [PCB: 1073]7dB Atten before and 7dB Atten after AmplifierA-0805-C-07DBRecommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C598-0404D	Amplifier, HMC451LC3 [PCB: 1073]7dB Atten before and 7dB Atten after AmplifierA-0805-C-07DBRecommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A2A4-0404D	Amplifier, HMC451LC3 [PCB: 278]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A2A4-0404D	Amplifier, HMC451LC3 [PCB: 278]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A376-0404D	Amplifier, HMC451LP3E [PCB: 278]Recommended Bias Controller: XM-A2J9-0404D-SP



433-XR-A376-0404D	Amplifier, HMC451LP3E [PCB: 278]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5T7-0804D	Amplifier, HMC453ST89ETR [PCB: 800]Tuned to 400 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5T5-0804D	Amplifier, HMC453ST89ETR [PCB: 800]Tuned to 400 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B2A5-0804D	Amplifier, HMC453ST89ETR [PCB: 800]Tuned to 470 MHz-Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B2A5-0804D	Amplifier, HMC453ST89ETR [PCB: 800]Tuned to 470 MHz-Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B2A3-0604D	Amplifier, HMC453ST89ETR [PCB: 802]Tuned to 1900 MHzRecommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B2A3-0604D	Amplifier, HMC453ST89ETR [PCB: 802]Tuned to 1900 MHzRecommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3C2-0604D	Amplifier, HMC460LC5 [PCB: 318]Recommended Bias Controller: XM-A3C3-0604D-SP
433-XR-A3C2-0604D	Amplifier, HMC460LC5 [PCB: 318]Recommended Bias Controller: XR-A3C3-0604D-SP
433-XM-A5P1-0604D	Amplifier, HMC462LP5 [PCB: 236]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5P1-0604D	Amplifier, HMC462LP5 [PCB: 236]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A343-0604D	Amplifier, HMC463LP5E [PCB: 236]Recommended Bias Controller: XM-A344-0604D-SP
433-XR-A343-0604D	Amplifier, HMC463LP5E [PCB: 236]Recommended Bias Controller: XR-A344-0604D-SP
433-XM-A383-0804D	Amplifier, HMC465LP5E [PCB: 134]Recommended Bias Controller: XM-A384-0804D-SP
433-XR-A383-0804D	Amplifier, HMC465LP5E [PCB: 134]Recommended Bias Controller: XR-A384-0804D-SP
433-XM-A5F1-0404D	Amplifier, HMC480ST89 [PCB: 516]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XM-B1J5-0404D	Amplifier, HMC498LC4 [PCB: 638]Recommended Bias Controller: XM-B5U8-0404D-SP
433-XR-B1J5-0404D	Amplifier, HMC498LC4 [PCB: 638]Recommended Bias Controller: XR-B5U8-0404D-SP
433-XM-A5L5-0404D	Amplifier, HMC499LC4 [PCB: 638]Recommended Bias Controller: XM-B1D1-0404D-SP
433-XR-A5L5-0404D	Amplifier, HMC499LC4 [PCB: 638]Recommended Bias Controller: XR-B1D1-0404D-SP
433-XM-A6A5-0404D	Amplifier, HMC504LC4B [PCB: 2455]Recommended Bias Controller: XM-D3K9-0404D-SP
433-XR-A6A5-0404D	Amplifier, HMC504LC4B [PCB: 2455]Recommended Bias Controller: XR-D3K9-0404D-SP

433-XM-A3K5-0404D	Amplifier, HMC516LC5 [PCB: 633]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A3K5-0404D	Amplifier, HMC516LC5 [PCB: 633]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A5N8-0404D	Amplifier, HMC517LC4 [PCB: 450]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A5N8-0404D	Amplifier, HMC517LC4 [PCB: 450]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A373-0404D	Amplifier, HMC519LC4 [PCB: 450]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A373-0404D	Amplifier, HMC519LC4 [PCB: 450]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A3K4-0404D	Amplifier, HMC564LC4 [PCB: 450]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A3K4-0404D	Amplifier, HMC564LC4 [PCB: 450]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A6B1-0404D	Amplifier, HMC565LC5 [PCB: 633]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A6B1-0404D	Amplifier, HMC565LC5 [PCB: 633]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A6B2-0404D	Amplifier, HMC566LP4E [PCB: 635]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-A6B2-0404D	Amplifier, HMC566LP4E [PCB: 635]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A4J2-0804D	Amplifier, HMC5805ALS6 [PCB: 144]Recommended Bias Controller: XM-A4J3-0804D-SP
433-XR-A4J2-0804D	Amplifier, HMC5805ALS6 [PCB: 144]Recommended Bias Controller: XR-A4J3-0804D-SP
433-XM-A5F2-0404D	Amplifier, HMC589AST89E [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5F2-0404D	Amplifier, HMC589AST89E [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A6B5-0604D	Amplifier, HMC591LP5E [PCB: 0639]Recommended Bias Controller: XM-D1B9-0404D-SP
433-XR-A6B5-0604D	Amplifier, HMC591LP5E [PCB: 0639]Recommended Bias Controller: XR-D1B9-0404D-SP
433-XM-A2A5-0404D	Amplifier, HMC606LC5 [PCB: 5]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A2A5-0404D	Amplifier, HMC606LC5 [PCB: 5]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5L6-0604D	Amplifier, HMC633LC4 [PCB: 496]Recommended Bias Controller: XM-A794-0604D-SP
433-XR-A5L6-0604D	Amplifier, HMC633LC4 [PCB: 496]Recommended Bias Controller: XR-A794-0604D-SP



433-XM-A5L7-0604D	Amplifier, HMC634LC4 [PCB: 496]Recommended Bias Controller: XM-A794-0604D-SP
433-XR-A5L7-0604D	Amplifier, HMC634LC4 [PCB: 496]Recommended Bias Controller: XR-A794-0604D-SP
433-XM-A6B9-0404D	Amplifier, HMC635LC4 [PCB: 1034]Recommended Bias Controller: XM-C7B9-0404D-SP
433-XR-A6B9-0404D	Amplifier, HMC635LC4 [PCB: 1034]Recommended Bias Controller: XR-C7B9-0404D-SP
433-XM-A5F3-0404D	Amplifier, HMC636ST89 [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5F3-0404D	Amplifier, HMC636ST89 [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5R8-0804D	Amplifier, HMC637ALP5E [PCB: 134]Recommended Bias Controller: XM-A7F5-0804D-SP
433-XR-A5R8-0804D	Amplifier, HMC637ALP5E [PCB: 134]Recommended Bias Controller: XR-A7F5-0804D-SP
433-XM-B4V2-0804D	Amplifier, HMC637BPM5E [PCB: 844]For External-Biased ModeRecommended Bias Controller: XM-C3W4-0804D-SP
433-XR-B4V2-0804D	Amplifier, HMC637BPM5E [PCB: 844]For External-Biased ModeRecommended Bias Controller: XR-C3W4-0804D-SP
433-XM-A5F4-0404D	Amplifier, HMC639ST89E [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5F4-0404D	Amplifier, HMC639ST89E [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A6K4-0804D	Amplifier, HMC659LC5 [PCB: 477]Recommended Bias Controller: XM-A6K3-0804D-SP
433-XR-A6K4-0804D	Amplifier, HMC659LC5 [PCB: 477]Recommended Bias Controller: XR-A6K3-0804D-SP
433-XM-A5F5-0404D	Amplifier, HMC740ST89E [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A5F5-0404D	Amplifier, HMC740ST89E [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A742-0404D	Amplifier, HMC741ST89E [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A742-0404D	Amplifier, HMC741ST89E [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A5U9-0404D	Amplifier, HMC751LC4 [PCB: 499]Recommended Bias Controller: XM-B5G7-0404D-SP
433-XR-A5U6-0404D	Amplifier, HMC751LC4 [PCB: 499]Recommended Bias Controller: XR-B5G7-0404D-SP
433-XM-B5E6-0604D	Amplifier, HMC753LP4E [PCB: 1085]Recommended Bias Controller: XM-B5E7-0604D-SP
433-XR-B5E6-0604D	Amplifier, HMC753LP4E [PCB: 1085]Recommended Bias Controller: XR-B5E7-0604D-SP
433-XM-A5U6-0404D	Amplifier, HMC772LC4 [PCB: 834]Recommended Bias Controller: XM-B6A1-0404D-SP



433-XR-A5U4-0404D	Amplifier, HMC772LC4 [PCB: 834]Recommended Bias Controller: XR-B6A1-0404D-SP
433-XM-A6D3-0404D	Amplifier, HMC788ALP2E [PCB: 1026]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A6D3-0404D	Amplifier, HMC788ALP2E [PCB: 1026]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B1C3-0404D	Amplifier, HMC7950LS6 [PCB: 1160]Recommended Bias Controller: XM-B1C4-0404D-SP
433-XR-B1C3-0404D	Amplifier, HMC7950LS6 [PCB: 1160]Recommended Bias Controller: XR-B1C4-0404D-SP
433-XM-A342-0804D	Amplifier, HMC797APM5E [PCB: 844]Recommended Bias Controller: XM-A378-0804D-SP
433-XR-A342-0804D	Amplifier, HMC797APM5E [PCB: 844]Recommended Bias Controller: XR-A378-0804D-SP
433-XM-A6D9-0404D	Amplifier, HMC8410LP2FE [PCB: 690]Recommended Bias Controller: XM-B1E1-0404D-SP
433-XR-A6D9-0404D	Amplifier, HMC8410LP2FE [PCB: 690]Recommended Bias Controller: XR-B1E1-0404D-SP
433-XM-C789-0404D	Amplifier, HMC8411LP2FE [PCB: 1548]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XM-C9G9-0304D	Amplifier, HMC8411LP2FE [PCB: 1778]Recommended Bias Controller: XM-C8M7-0404D-SP
433-XR-C9G9-0304D	Amplifier, HMC8411LP2FE [PCB: 1778]Recommended Bias Controller: XR-C8M7-0404D-SP
433-XM-A493-0304D	Amplifier, HMC8412LP2FE [PCB: 1895]Recommended Bias Controller: XM-A492-0304D-SP
433-XR-A493-0304D	Amplifier, HMC8412LP2FE [PCB: 1895]Recommended Bias Controller: XR-A492-0304D-SP
433-XM-D1R1-0304D	Amplifier, HMC8412TCPZ-EP [PCB: 1895]Recommended Bias Controller: XM-A492-0304D-SP
433-XR-D1R1-0304D	Amplifier, HMC8412TCPZ-EP [PCB: 1895]Recommended Bias Controller: XR-A492-0304D-SP
433-XM-D2D3-0404D	Amplifier, HMC8413LP2FE [PCB: 1548]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-D2D3-0404D	Amplifier, HMC8413LP2FE [PCB: 1548]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B1N8-0509D	Amplifier, HMC865LC3 [PCB: 1188]32 Gbps LIMITING AMPLIFIERRecommended Bias Controller: XM-B1P7-0509D-SP
433-XR-B1N8-0509D	Amplifier, HMC865LC3 [PCB: 1188]32 Gbps LIMITING AMPLIFIERRecommended Bias Controller: XR-B1P7-0509D-SP
433-XM-A5G5-0404D	Amplifier, HMC902LP3E [PCB: 512]Recommended Bias Controller: XM-B123-0404D-SP
433-XR-A5G5-0404D	Amplifier, HMC902LP3E [PCB: 512]Recommended Bias Controller: XR-B123-0404D-SP

433-XM-A6E1-0404D	Amplifier, HMC903LP3E [PCB: 512]Recommended Bias Controller: XM-B123-0404D-SP
433-XR-A6E1-0404D	Amplifier, HMC903LP3E [PCB: 512]Recommended Bias Controller: XR-B123-0404D-SP
433-XM-A9V6-0604D	Amplifier, HMC907APM5E [PCB: 1080]Recommended Bias Controller: XM-A2J4-0404D-SP
433-XR-A9V6-0604D	Amplifier, HMC907APM5E [PCB: 1080]Recommended Bias Controller: XR-A2J4-0404D-SP
433-XM-A5N9-0404D	Amplifier, HMC962LC4 [PCB: 450]Recommended Bias Controller: XM-A6E9-0404D-SP
433-XR-A5N9-0404D	Amplifier, HMC962LC4 [PCB: 450]Recommended Bias Controller: XR-A6E9-0404D-SP
433-XM-A3A4-0404D	Amplifier, HMC963LC4 [PCB: 450]Recommended Bias Controller: XM-A6E9-0404D-SP
433-XR-A3A4-0404D	Amplifier, HMC963LC4 [PCB: 450]Recommended Bias Controller: XR-A6E9-0404D-SP
433-XM-A266-0804D	Amplifier, HMC994APM5E [PCB: 844]Recommended Bias Controller: XM-A161-0804D-SP
433-XR-A266-0804D	Amplifier, HMC994APM5E [PCB: 844]Recommended Bias Controller: XR-A161-0804D-SP
433-XM-A6E8-0804D	Amplifier, HMC996LP4E [PCB: 551]Recommended Bias Controller: XM-A752-0804D-SP
433-XR-A6E8-0804D	Amplifier, HMC996LP4E [PCB: 551]Recommended Bias Controller: XR-A752-0804D-SP
433-XM-B5E4-0804D	Amplifier, HMC998APM5E [PCB: 844]Recommended Bias Controller: XM-B5E5-0804D-SP
433-XR-B5E4-0804D	Amplifier, HMC998APM5E [PCB: 844]Recommended Bias Controller: XR-B5E5-0804D-SP
433-XM-B2E2-0404D	Amplifier, LEE2-6+ [PCB: 1016]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B2E2-0404D	Amplifier, LEE2-6+ [PCB: 1016]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B5T1-0604D	Amplifier, LHA-13LN+ [PCB: 1965]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B5T1-0604D	Amplifier, LHA-13LN+ [PCB: 1965]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B5E3-0604D	Amplifier, LHA-23HLN+ [PCB: 1084]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-B5E3-0604D	Amplifier, LHA-23HLN+ [PCB: 1084]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-C6H7-0609D	Amplifier, LMH5401IRMST [PCB: 1415]SE to Differential, Unity Gain (Bottom Input Orientation of PCB 1415)Recommended Bias Controller: XM-C6H8-0609D-SP



433-XR-C6H7-0609D	Amplifier, LMH5401IRMST [PCB: 1415]SE to Differential, Unity Gain (Bottom Input Orientation of PCB 1415)Recommended Bias Controller: XR-C6H8-0609D-SP
433-XM-C583-0609D	Amplifier, LMH5401IRMST [PCB: 1415]SE to Differential, Unity GainRecommended Bias Controller: XM-C6H8-0609D-SP
433-XR-C583-0609D	Amplifier, LMH5401IRMST [PCB: 1415]SE to Differential, Unity GainRecommended Bias Controller: XR-C6H8-0609D-SP
433-XM-A2T1-0404D	Amplifier, LVA-123+ [PCB: 124]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A2T1-0404D	Amplifier, LVA-123+ [PCB: 124]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3U8-0404D	Amplifier, MAAL-011078 [PCB: 403]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3U8-0404D	Amplifier, MAAL-011078 [PCB: 403]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C366-0404D	Amplifier, MAAL-011111-TR0500 [PCB: 186]Recommended Bias Controller: XM-A2J8-0404D-SP
433-XR-C366-0404D	Amplifier, MAAL-011111-TR0500 [PCB: 186]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A3Y1-0404D	Amplifier, MAAL-011129 [PCB: 404]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3Y1-0404D	Amplifier, MAAL-011129 [PCB: 404]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3Y2-0404D	Amplifier, MAAL-011130-TR3000 [PCB: 403]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3Y2-0404D	Amplifier, MAAL-011130-TR3000 [PCB: 403]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-C582-0404D	Amplifier, MAAM-009286-TR3000 [PCB: 1564]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C582-0404D	Amplifier, MAAM-009286-TR3000 [PCB: 1564]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A345-0404D	Amplifier, MAAM-011101-TR1000 [PCB: 1989]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-A345-0404D	Amplifier, MAAM-011101-TR1000 [PCB: 1989]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-A3U5-0804D	Amplifier, MAAM-011109 [PCB: 419]Recommended Bias Controller: XM-A3U6-0804D-SP
433-XR-A3U5-0804D	Amplifier, MAAM-011109 [PCB: 419]Recommended Bias Controller: XR-A3U6-0804D-SP
433-XM-A4D6-0404D	Amplifier, MAAM-011206-TR3000 [PCB: 408]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A4D6-0404D	Amplifier, MAAM-011206-TR3000 [PCB: 408]Recommended Bias Controller: XR-A2J9-0404D-SP



433-XM-B6N1-0404D	Amplifier, MAAM-011229-TR1000 [PCB: 508]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B6N1-0404D	Amplifier, MAAM-011229-TR1000 [PCB: 508]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7J5-0404D	Amplifier, MAR-1SM+ [PCB: 1]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A7J5-0404D	Amplifier, MAR-1SM+ [PCB: 1]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B2M7-0404D	Amplifier, MAX2611EUS+T [PCB: 1071]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B2M7-0404D	Amplifier, MAX2611EUS+T [PCB: 1071]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A2T2-0604D	Amplifier, MERA-533+ [PCB: 130]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A2T2-0604D	Amplifier, MERA-533+ [PCB: 130]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-B1W6-0804D	Amplifier, MMA041PP5 [PCB: 134]Recommended Bias Controller: XM-B1W7-0804D-SP
433-XR-B1W6-0804D	Amplifier, MMA041PP5 [PCB: 134]Recommended Bias Controller: XR-B1W7-0804D-SP
433-XM-A3H6-0404D	Amplifier, MNA-2A+ [PCB: 313]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3H6-0404D	Amplifier, MNA-2A+ [PCB: 313]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3H7-0404D	Amplifier, MNA-4A+ [PCB: 313]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3H7-0404D	Amplifier, MNA-4A+ [PCB: 313]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3H8-0404D	Amplifier, MNA-4W+ [PCB: 313]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3H8-0404D	Amplifier, MNA-4W+ [PCB: 313]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3H9-0404D	Amplifier, MNA-6A+ [PCB: 313]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3H9-0404D	Amplifier, MNA-6A+ [PCB: 313]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A3J1-0404D	Amplifier, MNA-6W+ [PCB: 313]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3J1-0404D	Amplifier, MNA-6W+ [PCB: 313]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A119-0404D	Amplifier, NBB-300 [PCB: 2]Recommended Bias Controller: XM-A2K1-0404D-SP

433-XR-A119-0404D	Amplifier, NBB-300 [PCB: 2]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A121-0404D	Amplifier, NBB-310 [PCB: 2]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A121-0404D	Amplifier, NBB-310 [PCB: 2]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A2A6-0604D	Amplifier, NBB-312 [PCB: 145]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A2A6-0604D	Amplifier, NBB-312 [PCB: 145]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A122-0404D	Amplifier, NBB-400 [PCB: 2]Recommended Bias Controller: XM-A2K1-0404D-SP
433-XR-A122-0404D	Amplifier, NBB-400 [PCB: 2]Recommended Bias Controller: XR-A2K1-0404D-SP
433-XM-A8C1-0404D	Amplifier, PGA-102+ [PCB: 530]Recommended Bias Controller: XM-A2J8-0404D-SP
433-XR-A8C1-0404D	Amplifier, PGA-102+ [PCB: 530]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A8C8-0404D	Amplifier, PGA-1021+ [PCB: 530]Recommended Bias Controller: XM-A2J8-0404D-SP
433-XR-A8C8-0404D	Amplifier, PGA-1021+ [PCB: 530]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-A8C2-0404D	Amplifier, PGA-103+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8C2-0404D	Amplifier, PGA-103+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8C3-0404D	Amplifier, PGA-105+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8C3-0404D	Amplifier, PGA-105+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8C9-0404D	Amplifier, PHA-1+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8C9-0404D	Amplifier, PHA-1+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8D6-0404D	Amplifier, PHA-101+ [PCB: 530]Recommended Bias Controller: XM-B7P9-0404D-SP
433-XR-A8D6-0404D	Amplifier, PHA-101+ [PCB: 530]Recommended Bias Controller: XR-B7P9-0404D-SP
433-XM-A8D2-0604D	Amplifier, PHA-13HLN+ [PCB: 973]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-A8D2-0604D	Amplifier, PHA-13HLN+ [PCB: 973]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-A8D3-0604D	Amplifier, PHA-13LN+ [PCB: 973]Recommended Bias Controller: XM-A2J9-0404D-SP



433-XR-A8D3-0604D	Amplifier, PHA-13LN+ [PCB: 973]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8D1-0404D	Amplifier, PHA-1H+ [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A8D1-0404D	Amplifier, PHA-1H+ [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A8D4-0604D	Amplifier, PHA-23HLN+ [PCB: 973]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-A8D4-0604D	Amplifier, PHA-23HLN+ [PCB: 973]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-C8Y6-0404D	Amplifier, PHA-83W+ [PCB: 530]Recommended Bias Controller: XM-B7P9-0404D-SP
433-XR-C8Y6-0404D	Amplifier, PHA-83W+ [PCB: 530]Recommended Bias Controller: XR-B7P9-0404D-SP
433-XM-C787-0404D	Amplifier, PMA-545G2+ [PCB: 1558]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-C787-0404D	Amplifier, PMA-545G2+ [PCB: 1558]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7T9-0404D	Amplifier, PMA2-123LN+ [PCB: 792]Recommended Bias Controller: XM-A7U1-0404D-SP
433-XR-A7T9-0404D	Amplifier, PMA2-123LN+ [PCB: 792]Recommended Bias Controller: XR-A7U1-0404D-SP
433-XM-B1L6-0404D	Amplifier, PMA2-153LN+ [PCB: 792]Recommended Bias Controller: XM-A7U1-0404D-SP
433-XR-B1L6-0404D	Amplifier, PMA2-153LN+ [PCB: 792]Recommended Bias Controller: XR-A7U1-0404D-SP
433-XM-B5A3-0404D	Amplifier, PMA2-33LN+ [PCB: 983]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-B5A3-0404D	Amplifier, PMA2-33LN+ [PCB: 983]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-A3R4-0404D	Amplifier, PMA3-83LN+ [PCB: 936]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A3R4-0404D	Amplifier, PMA3-83LN+ [PCB: 936]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B2E3-0404D	Amplifier, PSA-5451+ [PCB: 1078]Recommended Bias Controller: XM-A2R9-0404D-SP
433-XR-B2E3-0404D	Amplifier, PSA-5451+ [PCB: 1078]Recommended Bias Controller: XR-A2R9-0404D-SP
433-XM-B5R9-0404D	Amplifier, PSA4-5043+ [PCB: 962]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B5R9-0404D	Amplifier, PSA4-5043+ [PCB: 962]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B8D6-0404D	Amplifier, QPA2213 [PCB: 1234] SMTRRecommended Bias Controller: XM-B8D7-0404D-SP



433-XR-B8D6-0404D	Amplifier, QPA2213 [PCB: 1234] SMTRecommended Bias Controller: XR-B8D7-0404D-SP
433-XM-B1W2-0404D	Amplifier, QPA2609 [PCB: 888]Recommended Bias Controller: XM-B1W3-0404D-SP
433-XR-B1W2-0404D	Amplifier, QPA2609 [PCB: 888]Recommended Bias Controller: XR-B1W3-0404D-SP
433-XM-B6F9-0404D	Amplifier, QPA2626 [PCB: 888]Recommended Bias Controller: XM-B5U7-0404D-SP
433-XR-B6F9-0404D	Amplifier, QPA2626 [PCB: 888]Recommended Bias Controller: XR-B5U7-0404D-SP
433-XM-B6F8-0404D	Amplifier, QPA2628 [PCB: 888]Recommended Bias Controller: XM-C3W3-0404D-SP
433-XR-B6F8-0404D	Amplifier, QPA2628 [PCB: 888]Recommended Bias Controller: XR-C3W3-0404D-SP
433-XM-B1W4-0404D	Amplifier, QPA2735 [PCB: 888]Recommended Bias Controller: XM-B1W5-0404D-SP
433-XR-B1W4-0404D	Amplifier, QPA2735 [PCB: 888]Recommended Bias Controller: XR-B1W5-0404D-SP
433-XM-B6D5-0404D	Amplifier, QPA4563A [PCB: 470]Recommended Bias Controller: XM-A4E3-0404D-SP
433-XR-B6D5-0404D	Amplifier, QPA4563A [PCB: 470]Recommended Bias Controller: XR-A4E3-0404D-SP
433-XM-B6D9-0404D	Amplifier, QPA6489ATR13 [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B6D9-0404D	Amplifier, QPA6489ATR13 [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B6E2-0404D	Amplifier, QPA7489ATR13 [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B6E2-0404D	Amplifier, QPA7489ATR13 [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7F6-0604D	Amplifier, QPM1000 [PCB: 766]Recommended Bias Controller: XM-A7F7-0604D-SP
433-XR-A7F6-0604D	Amplifier, QPM1000 [PCB: 766]Recommended Bias Controller: XR-A7F7-0604D-SP
433-XM-B8E3-0404D	Amplifier, SBB4089Z [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B8E3-0404D	Amplifier, SBB4089Z [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B8E4-0404D	Amplifier, SBB5089Z [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B8E4-0404D	Amplifier, SBB5089Z [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7K6-0404D	Amplifier, SGL0622Z [PCB: 848]Recommended Bias Controller: XM-A2J8-0404D-SP



433-XR-A7K6-0404D	Amplifier, SGL0622Z [PCB: 848]Recommended Bias Controller: XR-A2J8-0404D-SP
433-XM-B4T5-0706D	Amplifier, SMRA66 [PCB: 1399]Recommended Bias Controller: XM-A2J6-0404D-SP
433-XR-B4T5-0706D	Amplifier, SMRA66 [PCB: 1399]Recommended Bias Controller: XR-A2J6-0404D-SP
433-XM-A3J3-0810D	Amplifier, TGA2214-CP [PCB: 315]Recommended Bias Controller: XM-C121-0810D-SP
433-XR-A3J3-0810D	Amplifier, TGA2214-CP [PCB: 315]Recommended Bias Controller: XR-C121-0810D-SP
433-XM-A3J2-0604D	Amplifier, TGA2567-SM [PCB: 314]Recommended Bias Controller: XM-A7F7-0604D-SP
433-XR-A3J2-0604D	Amplifier, TGA2567-SM [PCB: 314]Recommended Bias Controller: XR-A7F7-0604D-SP
433-XM-A767-0404D	Amplifier, TQL9092 [PCB: 613]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A767-0404D	Amplifier, TQL9092 [PCB: 613]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B988-0404D	Amplifier, TQP3M9008 [PCB: 530]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B988-0404D	Amplifier, TQP3M9008 [PCB: 530]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B7P6-0404D	Amplifier, TQP3M9009 [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B7P6-0404D	Amplifier, TQP3M9009 [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B7F5-0404D	Amplifier, TQP3M9018 [PCB: 725]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B7F5-0404D	Amplifier, TQP3M9018 [PCB: 725]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-A7B4-0404D	Amplifier, TQP3M9028 [PCB: 516]Recommended Bias Controller: XM-A2J9-0404D-SP
433-XR-A7B4-0404D	Amplifier, TQP3M9028 [PCB: 516]Recommended Bias Controller: XR-A2J9-0404D-SP
433-XM-B836-0404D	Amplifier, TQP3M9028 [PCB: 516]Tuned for 2.5 GHzRecommended Bias Controller: XM-A2J9-0404D-SP
433-XR-B836-0404D	Amplifier, TQP3M9028 [PCB: 516]Tuned for 2.5 GHzRecommended Bias Controller: XR-A2J9-0404D-SP
433-XM-D2L9-0409D	Amplifier, TRF1208 [PCB: 2219]Recommended Bias Controller: XM-A2J8-0404D-SP
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433-XR-A5T3-0404D	Amplifiers, ADL5320ARKZ
433-XM-A436-0404D	Amplifiers, ADL8104SMT

433-XR-A436-0404D	Amplifiers, ADL8104SMT
433-XM-D1P2-0404D	Amplifiers, ADL8111ACCZN
433-XR-D1P2-0404D	Amplifiers, ADL8111ACCZN
433-XM-C791-0414D	Amplifiers, ADL8111SMT
433-XR-C789-0404D	Amplifiers, ADL8111SMT
433-XM-D184-0404D	Amplifiers, ADM-0026-5929SM
433-XR-D184-0404D	Amplifiers, ADM-0026-5929SM
433-XR-D2F5-0404D	Amplifiers, ADPA7002
433-XM-D2F5-0404D	Amplifiers, ADPA7002
433-XR-D2P6-0604D	Amplifiers, ADPA7005
433-XM-D2P6-0604D	Amplifiers, ADPA7005
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433-XR-D246-0304D	Amplifiers, AM1053
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433-XM-C7B5-0404D	Amplifiers, AM1067
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