

# RMP Process Samples

0.8  $\mu\text{m}$  Double Poly, Double Metal

**Product Rev**

DS32KHZ A6 DS80CH10 A3 DS80CH10 A5

0.6  $\mu\text{m}$  Double Poly, Double Metal (Ti/TiN layers used on all Metals)

**Product Rev**

DS1232 C2-L DS1722 A2 DS1775 A1  
 DS1775 A2 DS1820 B5 DS1820 B5  
 DS1820 B6 DS21352 A3 DS21352 A4  
 DS21354 A1 DS21354 A4 DS2148 A2  
 DS21552 A3 DS21552 A4 DS21554 A3  
 DS21554 A4 DS2196 A3 DS2196 A4  
 DS2197 A3 DS21Q352 A4 DS21Q354 A1  
 DS21Q354 A4 DS21Q552 A3 DS21Q552 A4  
 DS21Q554 A3 DS21Q554 A4 DS2438 A5  
 DS87C550 A3 DS87C550 A5

0.8  $\mu\text{m}$  Double Poly, Double Metal (Ti/TiN layers used on all Metals)

**Monitor Device(s)**

DS2154 A2

**Product Rev**

DS2152 A2

DS2154 A2

0.6  $\mu\text{m}$  Double Poly, Single Metal (Ti/TiN layers used on all Metals)

**Monitor Device(s)**

DS2502 C3

**Product Rev**

DS1411 D DS1981 D4 DS1981 D5  
 DS1982 D2 DS1982 D3 DS1982 D4  
 DS1982 D5 DS1985 B1 DS1985 B2  
 DS2450 A3 DS2501 C3 DS2501 C4  
 DS2502 C2 DS2502 C3 DS2502 C4  
 DS2503 B1 DS2505 B1 DS29020 A6-31

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DS29020 A7-340 DS29022 A6-32E

0.8  $\mu$ m Double Poly, Single Metal

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**Monitor Device(s)**

DS2153 A7 DS87C520 A13 DS87C520 A14

**Product Rev**

DS2151 B5 DS2153 A5 DS2153 A7  
DS2406 A1 DS2406 A2 DS2407 A2  
DS2407 A3 DS2407 A4 DS2503 A1  
DS2505 A4 DS2505 A5 DS2505 A6  
DS2506 A5 DS87C520 A13 DS87C520 A13  
DS87C520 A14 DS87C520 A14 DS87C520 A15  
DS87C520 A15 DS87C530 A10 DS87C530 A11  
DS87C530 A12 DS87C530 A13 DS87C530 A14  
DS87C530 A15

1.2  $\mu$ m Double Poly, Single Metal

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**Monitor Device(s)**

DS1585 C1

**Product Rev**

DS1485 B3 DS1495 B3 DS1585 B3  
DS1585 C1 DS1587 B1 DS1589 B1  
DS1589 B3 DS2009 A1/2 DS2009 A3  
DS2012 A3 DS2013 A1

2.0  $\mu$ m Double Poly, Single Metal

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**Product Rev**

DS2010 B1 DS2011 B1

0.8  $\mu$ m Single Poly, Double Metal

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**Monitor Device(s)**

DS1302 A3 DS1315 B1

**Product Rev**

DS1251 B-Y DS1251 B-Y DS1251 B-Y  
DS12885 A2-B DS12887 A2-B DS1302 A3  
DS1305 A4 DS1305 A4-A DS1306 A2  
DS1307 A3 DS1307 A4 DS1308 A1  
DS1315 B1 DS1315 B1 DS1315 B1  
DS1629 A2 DS1670 A2 DS1673 A2-3  
DS1673 A2-5 DS1674 A1 DS1677 A1

|         |       |          |       |          |       |
|---------|-------|----------|-------|----------|-------|
| DS1685  | B2-3  | DS1685   | B2-3I | DS1685   | B2-5  |
| DS1685  | B2-5I | DS1687   | B2-3  | DS1687   | B2-3I |
| DS1687  | B2-5  | DS1687   | B2-5I | DS1721   | B3    |
| DS1721  | B4    | DS17285  | A1-3  | DS17285  | A2-3  |
| DS17285 | A2-5  | DS17287  | A1-3  | DS17287  | A2-3  |
| DS17287 | A2-5  | DS17485  | A1-3  | DS17485  | A2-3  |
| DS17485 | A4-3  | DS17485  | A4-5  | DS17487  | A2-3  |
| DS17487 | A4-3  | DS17487  | A4-5  | DS1780   | A4    |
| DS17885 | A1-3  | DS17885  | A1-5  | DS17885  | A2-3  |
| DS17885 | A2-5  | DS17887  | A1-3  | DS17887  | A1-3  |
| DS17887 | A2-3  | DS17887  | A2-5  | DS1803   | A2    |
| DS1803  | A2    | DS1803   | A2    | DS1806   | A1    |
| DS1806  | A1    | DS1806   | A1    | DS1844   | A1    |
| DS1844  | A1    | DS1844   | A2    | DS1920   | A1-E  |
| DS2118M | A3    | DS2118M  | A4    | DS2430   | A2-A  |
| DS2435  | B2    | DS2435   | B4    | DS2437   | A1    |
| DS2437  | A2    | DS3708   | A1    | DS3708   | A2    |
| DS3708  | B2    | DS3708   | B3    | DS4201   | A4    |
| DS4201  | A5    | DS56     | A2    | DS60     | A2    |
| DS75    | A2    | DS75     | A3    | DS75     | A4    |
| DS75    | A5    | DS80CH10 | B1    | DS80CH10 | B3    |

### 1.2 $\mu\text{m}$ Single Poly, Double Metal

| <i>Product</i> | <i>Rev</i> |          |      |          |      |
|----------------|------------|----------|------|----------|------|
| DS5002         | B3-M       | DS5002   | B4-M | DS5002   | M2-M |
| DS5002         | M3-M       | DS50C302 | B2-M | DS50C302 | M1-M |

### 0.6 $\mu\text{m}$ Single Poly, Double Metal (Ti/TiN layers used on all Metals)

#### *Monitor Device(s)*

|        |    |        |       |        |      |        |      |
|--------|----|--------|-------|--------|------|--------|------|
| DS1643 | C1 | DS1050 | A1    | DS1100 | A3   | DS1135 | A1   |
|        |    | DS1501 | A4-Y  | DS1501 | A6-W | DS1501 | A6-Y |
|        |    | DS1511 | A6-W  | DS1511 | A6-Y | DS1543 | A1   |
|        |    | DS1543 | A4-AB | DS1553 | A1   | DS1553 | A3   |
|        |    | DS1553 | A4-AB | DS1554 | A4-W | DS1554 | A5   |
|        |    | DS1556 | A2    | DS1556 | A4-W | DS1557 | A2   |

|          |        |          |        |          |      |
|----------|--------|----------|--------|----------|------|
| DS1557   | A4-W   | DS1558   | A4-AB  | DS1558   | A4-A |
| DS1615   | A7     | DS1615   | A8     | DS1642   | C1   |
| DS1642   | C1-W   | DS1643   | A6-AB  | DS1643   | A7-A |
| DS1643   | C1     | DS1742   | A6     | DS1742   | A6-V |
| DS1743   | A1     | DS1743   | A1-W   | DS1743   | A6-A |
| DS1743   | A6-AD  | DS1743   | A7-AB  | DS1744   | A    |
| DS1744   | A-W    | DS1747   | A      | DS1747   | A-W  |
| DS1748   | A5-AB  | DS1748   | A5-AD  | DS1845   | A2   |
| DS1845   | A2     | DS1845   | A2     | DS1845   | A2   |
| DS1845   | A2     | DS1921   | A2-F51 | DS1921   | A3   |
| DS1921   | A3-F51 | DS1921   | A3-F52 | DS3856   | A4-C |
| DS80CH11 | A2     | DS80CH11 | A3     | DS80CH11 | A4   |

**0.6 μm Single Poly, Double Metal (Ti/TiN used on M1; M2 - no Ti/TiN)**

| <i>Product</i> | <i>Rev</i> |        |      |
|----------------|------------|--------|------|
| DS5002         | C5-M       | DS5002 | C6-M |

**0.6 μm Single Poly, Single Metal (Ti/TiN layers used on all Metals)**

***Monitor Device(s)***

|          |    |        |    | <i>Product</i> | <i>Rev</i> |          |        |          |      |          |      |
|----------|----|--------|----|----------------|------------|----------|--------|----------|------|----------|------|
| DS12885  | C1 | DS2401 | C2 | DS5002         | C4         | DS1208   | A2     | DS12885  | A2-C | DS12885  | C1   |
| DS80C320 | C5 |        |    |                |            | DS12887  | A2-C   | DS1425   | F1   | DS1672   | A3-2 |
|          |    |        |    |                |            | DS1672   | A3-3   | DS1831   | A2-5 | DS1831   | A2-5 |
|          |    |        |    |                |            | DS1973   | B1-Z01 | DS1990   | H3   | DS1990   | J3   |
|          |    |        |    |                |            | DS1991   | F1     | DS2117M  | B2   | DS2117M  | B4   |
|          |    |        |    |                |            | DS2117M  | B4     | DS2118M  | B1   | DS2119M  | B2   |
|          |    |        |    |                |            | DS2119M  | B4     | DS2119M  | B4   | DS2401   | C1   |
|          |    |        |    |                |            | DS2401   | C2     | DS2405   | B1   | DS2405   | B2   |
|          |    |        |    |                |            | DS2409   | A1     | DS2415   | A1   | DS2417   | A1   |
|          |    |        |    |                |            | DS2433   | A7-Z01 | DS5001   | C3   | DS5001   | C4   |
|          |    |        |    |                |            | DS5001   | C5     | DS5001   | C6   | DS5002   | C1   |
|          |    |        |    |                |            | DS5002   | C4     | DS5002   | C5   | DS5002   | C6   |
|          |    |        |    |                |            | DS80C310 | D1     | DS80C310 | D2   | DS80C320 | C4   |
|          |    |        |    |                |            | DS80C320 | C5     | DS80C323 | C2   | DS80C323 | C4   |
|          |    |        |    |                |            | DS80C323 | C5     | DS80C323 | C6   |          |      |

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0.6  $\mu$ m Single Poly, Single Metal

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*Product* *Rev*  
DS21Q43 A3-A

0.8  $\mu$ m Single Poly, Single Metal

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*Monitor Device(s)*

|        |    |        |    | <i>Product</i> | <i>Rev</i> |         |       |         |      |
|--------|----|--------|----|----------------|------------|---------|-------|---------|------|
| DS1232 | C2 | DS1620 | D1 | DS1023         | B1         | DS1023  | B2    | DS1033  | B2   |
| DS1868 | A4 | DS1992 | E6 | DS1035         | C1         | DS1044  | C1    | DS1044  | C2   |
|        |    |        |    | DS1065         | A1         | DS1073  | A1    | DS1075  | A1   |
|        |    |        |    | DS1075         | A2         | DS1231  | D3    | DS1231  | D3   |
|        |    |        |    | DS1231         | D3         | DS1232  | C1-L  | DS1232  | C2   |
|        |    |        |    | DS1232         | C2-L       | DS1245  | A1-W  | DS1245  | B1-A |
|        |    |        |    | DS1245         | B1-Y       | DS1249  | B-A   | DS1254  | A    |
|        |    |        |    | DS1258         | A1-AB      | DS1258  | A1-Y  | DS1258  | B1-A |
|        |    |        |    | DS1258         | B1-Y       | DS1258  | C1-AB | DS1258  | C1-Y |
|        |    |        |    | DS1312         | A5         | DS1314  | A5    | DS1321  | A2   |
|        |    |        |    | DS1321         | A3         | DS13D12 | A5    | DS13D14 | A5   |
|        |    |        |    | DS13D21        | A3         | DS1411  | D     | DS1480  | A2   |
|        |    |        |    | DS1481         | A1         | DS1481  | A3    | DS1620  | D1   |
|        |    |        |    | DS1621         | A5         | DS1621  | A7    | DS1623  | A3   |
|        |    |        |    | DS1624         | A4         | DS1671  | A4    | DS1705  | A3   |
|        |    |        |    | DS1705         | A4         | DS1705  | B1    | DS1706  | A3-L |
|        |    |        |    | DS1706         | A4         | DS1706  | A4-L  | DS1706  | A4-P |
|        |    |        |    | DS1706         | A4-R       | DS1706  | A4-S  | DS1706  | A4-T |
|        |    |        |    | DS1706         | B1         | DS1706  | B1-L  | DS1706  | B1-P |
|        |    |        |    | DS1706         | B1-R       | DS1706  | B1-S  | DS1706  | B1-T |
|        |    |        |    | DS1707         | A3         | DS1707  | A4    | DS1708  | A3   |
|        |    |        |    | DS1708         | A4         | DS1708  | A4-R  | DS1708  | A4-S |
|        |    |        |    | DS1708         | A4-T       | DS1708  | B1    | DS1708  | B1-R |
|        |    |        |    | DS1708         | B1-S       | DS1708  | B1-T  | DS1720  | A3   |
|        |    |        |    | DS1800         | A1         | DS1801  | A2    | DS1802  | A2   |
|        |    |        |    | DS1804         | A6         | DS1804  | A6    | DS1807  | A1   |
|        |    |        |    | DS1810         | A6         | DS1810  | A6    | DS1810  | A6   |
|        |    |        |    | DS1810         | A7         | DS1810  | A7    | DS1810  | A7   |

|         |      |         |      |         |      |
|---------|------|---------|------|---------|------|
| DS1811  | A6   | DS1811  | A6   | DS1811  | A6   |
| DS1811  | A7   | DS1811  | A7   | DS1811  | A7   |
| DS1812  | A6   | DS1812  | A6   | DS1812  | A6   |
| DS1812  | A7   | DS1812  | A7   | DS1812  | A7   |
| DS1813  | A5   | DS1813  | A5   | DS1813  | A5   |
| DS1813  | A6   | DS1813  | A6   | DS1813  | A6   |
| DS1814  | B2   | DS1814  | B3   | DS1814  | B3   |
| DS1814  | B3   | DS1814  | B3   | DS1814  | B3   |
| DS1814  | B3   | DS1815  | A6   | DS1815  | A6   |
| DS1815  | A6   | DS1815  | A7   | DS1815  | A7   |
| DS1815  | A7   | DS1816  | A6   | DS1816  | A6   |
| DS1816  | A6   | DS1816  | A7   | DS1816  | A7   |
| DS1816  | A7   | DS1817  | A6   | DS1817  | A6   |
| DS1817  | A6   | DS1817  | A7   | DS1817  | A7   |
| DS1817  | A7   | DS1818  | A5   | DS1818  | A5   |
| DS1818  | A5   | DS1818  | A6   | DS1818  | A6   |
| DS1818  | A6   | DS1819  | B1   | DS1819  | B1   |
| DS1819  | B1   | DS1819  | B1   | DS1819  | B1   |
| DS1819  | B1   | DS1819  | B1   | DS1819  | B1   |
| DS1819  | B1   | DS1819  | B2   | DS1819  | B3   |
| DS1819  | B3   | DS1821  | A3   | DS1832  | A2   |
| DS1832  | A3   | DS1834  | A2   | DS1834  | A2   |
| DS1834  | A2   | DS1836  | A4   | DS1866  | A1   |
| DS1866  | A2   | DS1868  | A4   | DS1963  | A1   |
| DS1963  | A2   | DS1963  | A3   | DS1992  | E6   |
| DS1993  | E6   | DS1996  | B4   | DS2105  | A3   |
| DS2105  | B1   | DS2105  | B2   | DS2105  | C1   |
| DS2106  | A1   | DS2106  | A2   | DS2106  | B1   |
| DS2109  | A5   | DS2109  | A7   | DS2110  | A1   |
| DS2110  | B3   | DS2114  | C1   | DS21Q41 | A1-B |
| DS21S07 | B1-A | DS21S07 | B2-A | DS21S07 | C1-A |
| DS21T05 | A3   | DS21T06 | A2   | DS21T07 | A3   |
| DS21T09 | A3   | DS21T11 | A2   | DS2401  | B2   |
| DS2423  | A3   | DS2434  | D1   | DS2436  | A2   |
| DS2464  | B4   | DS2480  | B1   | DS2480  | B1-B |
| DS24S02 | A4   | DS24S03 | A4   | DS24S34 | A2   |

|          |        |          |    |          |      |
|----------|--------|----------|----|----------|------|
| DS2502   | B5     | DS2502   | B6 | DS3816   | A-C5 |
| DS3816   | A-C501 | DS80C310 | A2 | DS80C320 | B3   |
| DS80C320 | B5     | DS80C323 | B3 | DS80C323 | B5   |
| DS83C520 | A1     | DS83C520 | A3 | DS83C520 | A3   |

1.2  $\mu$ m Single Poly, Single Metal

*Monitor Device(s)*

|         |    |         |    |
|---------|----|---------|----|
| DS1000  | E3 | DS1233  | A5 |
| DS12887 | A2 | DS1620  | C2 |
| DS1991  | E8 | DS2107A | A6 |

*Product Rev*

|        |    |        |        |         |        |         |       |
|--------|----|--------|--------|---------|--------|---------|-------|
| DS1267 | A2 | DS1000 | E3     | DS1004  | E1     | DS1012  | B1    |
| DS1669 | B3 | DS1040 | A2     | DS1045  | A2     | DS1202  | A2    |
| DS2165 | B1 | DS1205 | B2     | DS1205  | B4     | DS1205  | B5    |
|        |    | DS1205 | B7     | DS1233  | A3     | DS1233  | A5    |
|        |    | DS1233 | A5     | DS1233  | A5     | DS1233  | A5    |
|        |    | DS1233 | A5     | DS1245  | A1-A   | DS1245  | A1-Y  |
|        |    | DS1267 | A1     | DS1267  | A2     | DS1267  | A2    |
|        |    | DS1272 | B2     | DS1273  | B2     | DS1285  | C1    |
|        |    | DS1285 | C2     | DS12885 | A2     | DS12887 | A2    |
|        |    | DS1336 | A1     | DS1360  | B1     | DS1380  | B2    |
|        |    | DS1384 | A1     | DS1385  | A5     | DS1386  | A1    |
|        |    | DS1395 | A3     | DS1411  | D      | DS14285 | A3    |
|        |    | DS1464 | A1     | DS1602  | A1     | DS1608  | B4    |
|        |    | DS1609 | A1     | DS1610  | A3     | DS1620  | C2    |
|        |    | DS1625 | A1     | DS1632  | A1-H   | DS1632  | A5    |
|        |    | DS1640 | A1     | DS1646  | A2     | DS1646  | B1    |
|        |    | DS1646 | G      | DS1648  | A3     | DS1666  | A1    |
|        |    | DS1666 | A1     | DS1666  | A1     | DS1667  | A2    |
|        |    | DS1667 | A2     | DS1667  | A2     | DS1669  | B3    |
|        |    | DS1669 | B3     | DS1669  | B3     | DS1669  | B3    |
|        |    | DS1688 | A3     | DS1689  | A5     | DS1691  | A3    |
|        |    | DS1693 | A5     | DS1710  | A4     | DS1710  | A5    |
|        |    | DS1820 | A2     | DS1833  | A1     | DS1833  | A2    |
|        |    | DS1833 | A2-B   | DS1867  | A3     | DS1867  | C1    |
|        |    | DS1867 | C1     | DS1867  | C1     | DS1869  | A2    |
|        |    | DS1869 | A3     | DS1920  | A1     | DS1920  | A1-E  |
|        |    | DS1921 | A2-F51 | DS1921  | A3-F51 | DS1921  | A3-F: |
|        |    | DS1991 | E5     | DS1991  | E6     | DS1991  | E7    |

|         |    |         |        |        |    |
|---------|----|---------|--------|--------|----|
| DS1991  | E8 | DS2016  | A2     | DS2064 | A4 |
| DS2068  | A3 | DS2102  | C3     | DS2107 | A4 |
| DS2107A | A5 | DS2107A | A6     | DS2130 | A1 |
| DS2143  | A1 | DS2143  | A3     | DS2164 | A1 |
| DS2165  | B1 | DS2223  | B2     | DS2224 | B2 |
| DS2225  | A1 | DS2401  | A2     | DS2401 | A3 |
| DS2404  | B5 | DS2404  | C1     | DS2405 | A2 |
| DS2405  | A3 | DS2414  | A1     | DS2435 | A5 |
| DS2502  | A6 | DS3816  | A-C501 | DS5001 | A4 |
| DS5001  | B3 | DS5002  | A3     | DS5002 | B3 |
| DS5002  | B4 | DS9503  | A1     |        |    |

1.5  $\mu$ m Single Poly, Single Metal

| <i>Product</i> | <i>Rev</i> |        |    |         |    |
|----------------|------------|--------|----|---------|----|
| DS1020         | B5         | DS1021 | B5 | DS2141A | A1 |

2.0  $\mu$ m Single Poly, Single Metal

*Monitor Device(s)*

|        |    |         |    | <i>Product</i> | <i>Rev</i> |        |      |         |      |         |    |
|--------|----|---------|----|----------------|------------|--------|------|---------|------|---------|----|
| DS2175 | D1 | DS2180A | B3 | DS2181A        | A2         | DS1003 | A2   | DS1005  | A2   | DS1007  | A1 |
|        |    |         |    |                |            | DS1010 | B1   | DS1013  | B1   | DS1201  | D1 |
|        |    |         |    |                |            | DS1201 | D1   | DS1204  | F1   | DS1207  | E2 |
|        |    |         |    |                |            | DS1207 | E2-N | DS1236  | A1-A | DS1236  | A5 |
|        |    |         |    |                |            | DS1238 | A1-A | DS1238  | A5   | DS1239  | A5 |
|        |    |         |    |                |            | DS1239 | A6   | DS1259  | C2   | DS1283  | A3 |
|        |    |         |    |                |            | DS1284 | A3   | DS1285  | B3   | DS1286  | A3 |
|        |    |         |    |                |            | DS1359 | C3   | DS2167  | A4   | DS2175  | D1 |
|        |    |         |    |                |            | DS2176 | D4   | DS2180A | B3   | DS2181A | A2 |
|        |    |         |    |                |            | DS2182 | A1-A | DS2182  | D1   | DS2186  | C4 |
|        |    |         |    |                |            | DS2186 | C4   | DS2187  | C4   | DS2187  | C7 |
|        |    |         |    |                |            | DS2187 | C7   | DS2188  | C1   | DS5000  | D6 |

3.0  $\mu$ m Single Poly, Single Metal

*Monitor Device(s)*

|        |    |  |  | <i>Product</i> | <i>Rev</i> |        |    |        |    |
|--------|----|--|--|----------------|------------|--------|----|--------|----|
| DS1210 | C1 |  |  | DS1206         | B1         | DS1210 | C1 | DS1212 | B1 |

|        |      |        |      |        |      |
|--------|------|--------|------|--------|------|
| DS1213 | na-B | DS1213 | na-C | DS1213 | na-D |
| DS1214 | A4   | DS1215 | D3   | DS1215 | D4   |
| DS1215 | D4   | DS1216 | na-B | DS1216 | na-C |
| DS1216 | na-D | DS1216 | na-E | DS1216 | na-F |
| DS1216 | na-H | DS1218 | D1   | DS1218 | D1   |
| DS1220 | A1-A | DS1220 | A1-Y | DS1221 | C1   |
| DS1222 | B1   | DS1225 | A1-A | DS1225 | A1-Y |
| DS1230 | A1-A | DS1231 | C1   | DS1232 | C1   |
| DS1234 | C1   | DS1291 | B1   | DS1292 | B2   |

5.0  $\mu$ m Single Poly, Single Metal

*Monitor Device(s)*

DS2108 B7

*Product Rev*

DS2108 B1  
DS232 B3-A

DS2108 B7  
DS275 A2

DS229 A3  
DS276 A2

0.8  $\mu$ m Single Poly, Triple Metal

*Product Rev*

DS2172 A2

0.6  $\mu$ m Single Poly, Triple Metal (Ti/TiN used on M1,M2; M3=no Ti/TiN)

*Product Rev*

DS1954 B4-12  
DS1954 B9-12  
DS83C950 B4-12  
DS83C950 B6-12  
DS83C950 B7-12

DS1954 B6-12  
DS83C950 B4-12  
DS83C950 B6-12  
DS83C950 B7-12  
DS83C950 B9-12

DS1954 B7-1;  
DS83C950 B4-1;  
DS83C950 B6-1;  
DS83C950 B7-1;

1.2  $\mu$ m No Poly, Single Metal

*Product Rev*

DS9502 A1