



# Data Bus Trceivers Product Information

| MODEL NUMBER | 1760 1553 | MAC AIR | SIZE | PACKAGE TYPE | LEADS | CHANNELS | IDLE RCVR OUTPUTS | POWER SUPPLIES | TRANSFORMER |             |        | SMD# 5962- | REPLACES |
|--------------|-----------|---------|------|--------------|-------|----------|-------------------|----------------|-------------|-------------|--------|------------|----------|
|              |           |         |      |              |       |          |                   |                | TYPE        | TURNS RATIO | PRI CT |            |          |

**SINGLE CHANNEL CIRCUITS**

|            |     |     |                 |                     |    |   |            |                   |         |                         |        |        |                           |
|------------|-----|-----|-----------------|---------------------|----|---|------------|-------------------|---------|-------------------------|--------|--------|---------------------------|
| ACT 4438-3 | Yes | No  | 0.315" x 0.315" | BCC++               | 56 | 1 | Low        | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground |        |                           |
| ACT4444    | Yes | Yes | 0.315" x 0.315" | BCC++               | 64 | 1 | User Conf. | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        |                           |
| ACT4445    | Yes | No  | 0.315" x 0.315" | BCC++               | 64 | 1 | User Conf. | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        |                           |
| ACT 4455   | Yes | No  | 0.445" x 0.445" | LCC                 | 28 | 1 | Low        | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground | 96741- |                           |
| ACT 4459   | Yes | No  | 0.445" x 0.445" | LCC                 | 28 | 1 | High       | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground | 96741- |                           |
| ACT 4489   | Yes | No  | 0.775" x 1.275" | Plug-in             | 24 | 1 | Low        | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589M & ARX3420         |
| ACT 4489I  | Yes | No  | 0.775" x 1.275" | Plug-in             | 24 | 1 | High       | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589MI & ARX3424        |
| ACT 4489F  | Yes | No  | 0.775" x 1.275" | Flatpack            | 24 | 1 | Low        | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589M & ARX3420         |
| ACT 4489FI | Yes | No  | 0.775" x 1.275" | Flatpack            | 24 | 1 | High       | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589MI & ARX3424        |
| ACT 4402   | Yes | No  | 0.3" x 1.0"     | Plug-in             | 24 | 1 | Low        | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | ARX3402 & ARX2402         |
| ACT 4402I  | Yes | No  | 0.3" x 1.0"     | Plug-in             | 24 | 1 | High       | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        |                           |
| ACT 4487   | Yes | No  | 0.775" x 1.275" | Plug-in             | 24 | 1 | Low        | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | CT1487M & ARX3402         |
| ACT 4487I  | Yes | No  | 0.775" x 1.275" | Plug-in             | 24 | 1 | High       | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | CT1487MI & ARX3415        |
| ACT 4487F  | Yes | No  | 0.775" x 1.275" | Flatpack            | 24 | 1 | Low        | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | CT1487M & ARX3402         |
| ACT 4487FI | Yes | No  | 0.775" x 1.275" | Flatpack            | 24 | 1 | High       | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | CT1487MI & ARX3415        |
| ACT 4404N  | Yes | Yes | 1.27" x 1.27"   | Plug-in or Flatpack | 24 | 1 | High       | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ACT4404, CT3232 & ARX3404 |
| ACT 4418N  | Yes | Yes | 1.27" x 1.27"   | Plug-in or Flatpack | 24 | 1 | Low        | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ARX2418                   |
| ARX 4435N  | No  | No  | 1.27" x 1.27"   | Plug-in or Flatpack | 24 | 1 | High       | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ARX4435                   |
| CT 3231M   | Yes | No  | 1.27" x 1.27"   | Plug-in or Flatpack | 24 | 1 |            | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | CT3231                    |
| CT 3232M   | Yes | Yes | 1.27" x 1.27"   | Plug-in or Flatpack | 24 | 1 |            | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | CT3232                    |

**DUAL CHANNEL CIRCUITS**

|               |     |     |               |                     |    |   |      |                   |         |                          |        |        |                  |
|---------------|-----|-----|---------------|---------------------|----|---|------|-------------------|---------|--------------------------|--------|--------|------------------|
| ACT 4419D 1/  | Yes | No  | 0.3" x 1.0"   | Plug-in             | 20 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4419DF 1/ | Yes | No  | 0.3" x 1.0"   | Flatpack            | 20 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4453      | Yes | No  | 0.775" x 1.9" | Plug-in or Flatpack | 36 | 2 | Low  | +5V               | 1553-5  | "2.12CT:1CT, 1.77CT:1CT" | Ground | 89522- | CT2521 & ARX3453 |
| ACT 4463      | Yes | No  | 0.775" x 1.9" | Plug-in or Flatpack | 36 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4454      | Yes | Yes | 0.6" x 0.8"   | Flatpack            | 24 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground | 92061- |                  |
| ACT 4460      | Yes | Yes | 0.6" x 0.8"   | Flatpack            | 24 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground | 92061- |                  |
| ACT 4461DF    | Yes | No  | 0.6" x 0.8"   | Flatpack            | 24 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4461DFI   | Yes | No  | 0.6" x 0.8"   | Flatpack            | 24 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4462      | No  | Yes | 0.61" x 1.25" | Plug-in             | 24 | 2 | High | +5V, ±12V to ±15V | 1553-45 | "1CT:1CT, 1CT:.707CT"    | None   |        |                  |
| ACT 4458      | Yes | No  | 0.6" x 0.8"   | Flatpack            | 24 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground | 92061- |                  |
| ACT 4464      | Yes | No  | 0.6" x 0.8"   | Flatpack            | 24 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground | 92061- |                  |
| ACT 4465      | Yes | Yes | 0.775" x 1.9" | Plug-in or Flatpack | 36 | 2 | High | +5V               | 1553-5  | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |
| ACT 4468D     | Yes | No  | 0.3" x 1.0"   | Plug-in             | 20 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT"  | Ground |        |                  |



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|--------------|-----------|---------|------|--------------|-------|----------|-------------------|----------------|-------------|-------------|--------|------------|----------|
|              |           |         |      |              |       |          |                   |                | TYPE        | TURNS RATIO | PRI CT |            |          |

**DUAL CHANNEL CIRCUITS con't**

|               |     |     |                |                     |    |   |      |                   |         |                         |        |        |                      |
|---------------|-----|-----|----------------|---------------------|----|---|------|-------------------|---------|-------------------------|--------|--------|----------------------|
| ACT 4468DI    | Yes | No  | 0.3" x 1.0"    | Plug-in             | 20 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground |        |                      |
| ACT 4468DF    | Yes | No  | 0.3" x 1.0"    | Flatpack            | 20 | 2 | Low  | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground |        |                      |
| ACT 4468DFI   | Yes | No  | 0.3" x 1.0"    | Flatpack            | 20 | 2 | High | +5V               | 1553-45 | "2.5CT:1CT, 1.77CT:1CT" | Ground |        |                      |
| ACT 4469D 2/  | No  | No  | 0.62" x 1.27"  | DIP                 | 24 | 2 | Low  | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4469DI 2/ | No  | No  | 0.62" x 1.27"  | DIP                 | 24 | 2 | High | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4423D     | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | Low  | +5V, +12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4423DI    | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | High | +5V, +12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4423DF    | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | Low  | +5V, +12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4423DFI   | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | High | +5V, +12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        |                      |
| ACT 4457      | Yes | No  | 0.775" x 1.9"  | Plug-in or Flatpack | 36 | 2 | Low  | +5V, -15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        |                      |
| ACT 4489D     | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | Low  | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589D & ARX3419    |
| ACT 4489DI    | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | High | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589DI & ARX3425   |
| ACT 4489DF    | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | Low  | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589D & ARX3419    |
| ACT 4489DFI   | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | High | +5V, ±12V         | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Ground |        | CT1589DI & ARX3425   |
| ACT 4433D     | Yes | No  | 0.775" x 1.48" | Plug-in             | 28 | 2 | Low  | +5V, ±12V         | 1553-2  | "1CT:1CT, 1CT:.707CT"   | Ground |        | ARX3439              |
| ACT 4433DI    | Yes | No  | 0.775" x 1.48" | Plug-in             | 28 | 2 | High | +5V, ±12V         | 1553-2  | "1CT:1CT, 1CT:.707CT"   | Ground |        | ARX3433              |
| ACT 4433DF    | Yes | No  | 0.775" x 1.50" | Flatpack            | 28 | 2 | Low  | +5V, ±12V         | 1553-2  | "1CT:1CT, 1CT:.707CT"   | Ground |        | ARX3439              |
| ACT 4433DFI   | Yes | No  | 0.775" x 1.50" | Flatpack            | 28 | 2 | High | +5V, ±12V         | 1553-2  | "1CT:1CT, 1CT:.707CT"   | Ground |        | ARX3433              |
| ACT 4487D     | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | Low  | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 87579- | CT1487D/ARX3411/2411 |
| ACT 4487DI    | Yes | No  | 0.775" x 1.9"  | Plug-in             | 36 | 2 | High | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 89447- | CT1487DI & ARX3416   |
| ACT 4487DF    | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | Low  | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 87579- | CT1487D/ARX3411/2411 |
| ACT 4487DFI   | Yes | No  | 0.775" x 1.9"  | Flatpack            | 36 | 2 | High | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 89447- | CT1487DI & ARX3416   |
| ACT 4436D     | Yes | No  | 0.775" x 1.48" | Plug-in             | 28 | 2 | Low  | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | ARX3431              |
| ACT 4436DI    | Yes | No  | 0.775" x 1.48" | Plug-in             | 28 | 2 | High | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 89447  | ARX3436              |
| ACT 4436DF    | Yes | No  | 0.775" x 1.50" | Flatpack            | 28 | 2 | Low  | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground |        | ARX3431              |
| ACT 4436DFI   | Yes | No  | 0.775" x 1.50" | Flatpack            | 28 | 2 | High | +5V, ±15V         | 1553-2  | "1.4CT:1CT, 2CT:1CT"    | Ground | 89447  | ARX3436              |
| ACT 4808N-D   | Yes | Yes | 0.775" x 1.9"  | Plug-in             | 36 | 2 | Low  | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ACT4808D/LD          |
| ACT 4808N-DI  | Yes | Yes | 0.775" x 1.9"  | Plug-in             | 36 | 2 | High | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ACT4808DI/LDI        |
| ACT 4808N-DF  | Yes | Yes | 0.775" x 1.9"  | Flatpack            | 36 | 2 | Low  | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ACT4808DF/LDF        |
| ACT 4808N-DFI | Yes | Yes | 0.775" x 1.9"  | Flatpack            | 36 | 2 | High | +5V, ±12V to ±15V | 1553-1  | "1CT:1CT, 1CT:.707CT"   | Open   |        | ACT4808DFI/LDFI      |

Notes:

- 1/ Variable Amplitude Transceiver – Contact Factory for Information.
- 2/ Variable Amplitude Transceiver for H009 – Contact Factory for Information.