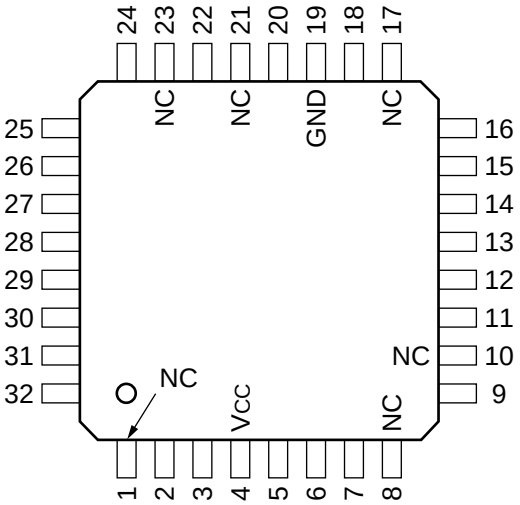
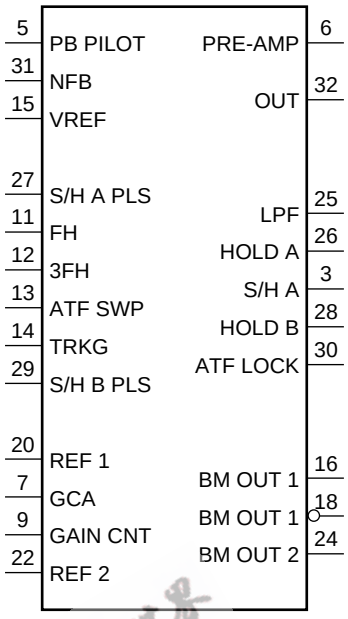
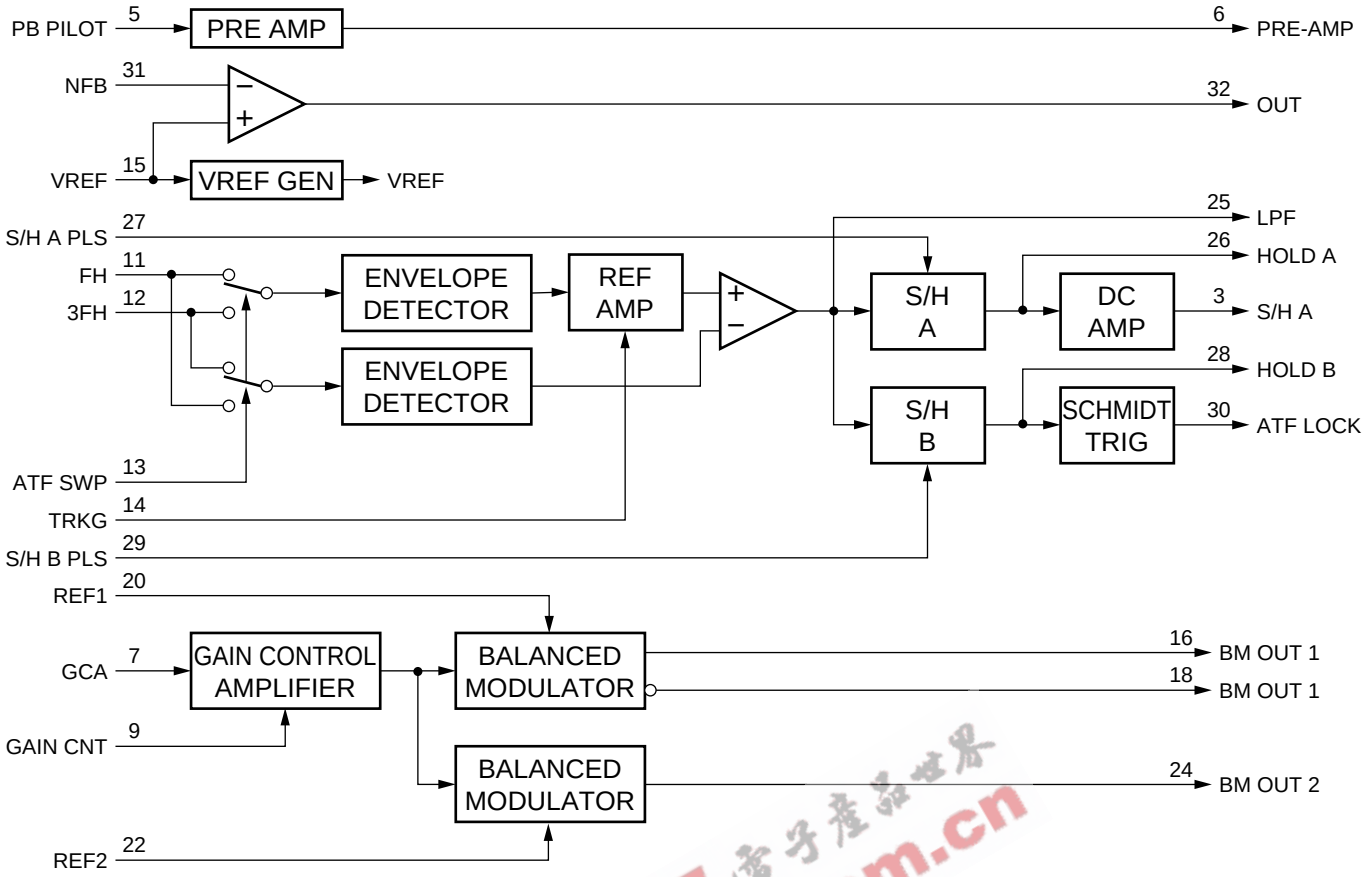
# BALANCED MODULATOR AND RF ENVELOPE DETECTOR

—TOP VIEW—




| PIN NO. | I/O | SIGNAL | PIN NO. | I/O | SIGNAL |
|---|---|---|---|---|---|
| 1 | — | NC | 17 | — | NC |
| 2 | – | PB 5V | 18 | O | BM OUT 1 |
| 3 | O | S/H A | 19 | — | GND |
| 4 | — | Vcc | 20 | I | REF1 |
| 5 | I | PB PILOT | 21 | — | NC |
| 6 | O | PRE-AMP | 22 | I | REF2 |
| 7 | I | GCA | 23 | — | NC |
| 8 | — | NC | 24 | O | BM OUT 2 |
| 9 | I | GAIN CNT | 25 | — | LPF |
| 10 | — | NC | 26 | O | HOLD A |
| 11 | I | FH | 27 | I | S/H A PLS |
| 12 | I | 3FH | 28 | O | HOLD B |
| 13 | I | ATF SWP | 29 | I | S/H B PLS |
| 14 | I | TRKG | 30 | O | AYF LOCK |
| 15 | — | VREF | 31 | I | NFB |
| 16 | O | BM OUT 1 | 32 | O | OUT |


PB PILOT
5
PRE AMP
6
PRE-AMP
NFB
31
32
OUT
VREF
15
VREF GEN
VREF
S/H A PLS
27
25
LPF
FH
11
ENVELOPE DETECTOR
REF AMP
S/H A
26
HOLD A
DC AMP
3
S/H A
3FH
12
ENVELOPE DETECTOR
28
HOLD B
S/H B
SCHMIDT TRIG
30
ATF LOCK
ATF SWP
13
TRKG
14
S/H B PLS
29
REF1
20
GCA
7
GAIN CONTROL AMPLIFIER
BALANCED MODULATOR
16
BM OUT 1
18
BM OUT 1
GAIN CNT
9
BALANCED MODULATOR
24
BM OUT 2
REF2
22