

1.3 Exchange Application Function

| Application | Type | Package | Circuit Function |
|--|------------------|-------------------------------|--|
| 1 Chip Codec | KT8554 KT8557 | 16 CERDIP 16 DIP 16 SOP | <ul style="list-style-type: none"> Exceeds all D3/D4 and CCITT spec. Complete CODEC and filtering system including ± 5V operation Low power consumption TTL and CMOS compatible logic |
| TSAC | KT8555 | 20 CERDIP | <ul style="list-style-type: none"> Control up to eight 1 CHIP CODEC/Filters Low power consumption Single 5V operation Up to 32 time slots per frame |
| MSG (Metering Signal Generator) | KT8583 | 16 CERDIP | <ul style="list-style-type: none"> Pulse density modulation (PDM) Selectable 12 KHz or 16 KHz using external SEL pin Maximum Burst frequency . 3.125KHz Adjustable the amplitude of burst signal with external resistor |
| ALCC (Analog Line Card Controller) | KT8584 | 32 PLCC | <ul style="list-style-type: none"> Enabled to test data and address signal for the communication with processor (mode 0) Indicating each subscribers hook state (mode1) Transmission and timing control of the control data from processor to subscriber (mode 2) Transmission and timing control of the control data from subscriber to processor (mode 3) Selecting and transmitting of original ID of the ALCC (mode 5) ALM indicates when ALCC is out of conditions (mode 6) ALM monitoring function of control clock provided to the subscriber (mode 7) |
| 12 × 8 Crosspoint Switch | KT8593 | 40 DIP | <ul style="list-style-type: none"> 12 × 8 matrix-array with control memory Low on resistance 2 V_{p-p} analog signal capability Less than 1% total distortion at 0dBm |

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