



Smartphone Application Quad AFE designed for Infineon's Octal 10BaseS 8 port Chipset PEB22824-PEB22825
APC77135



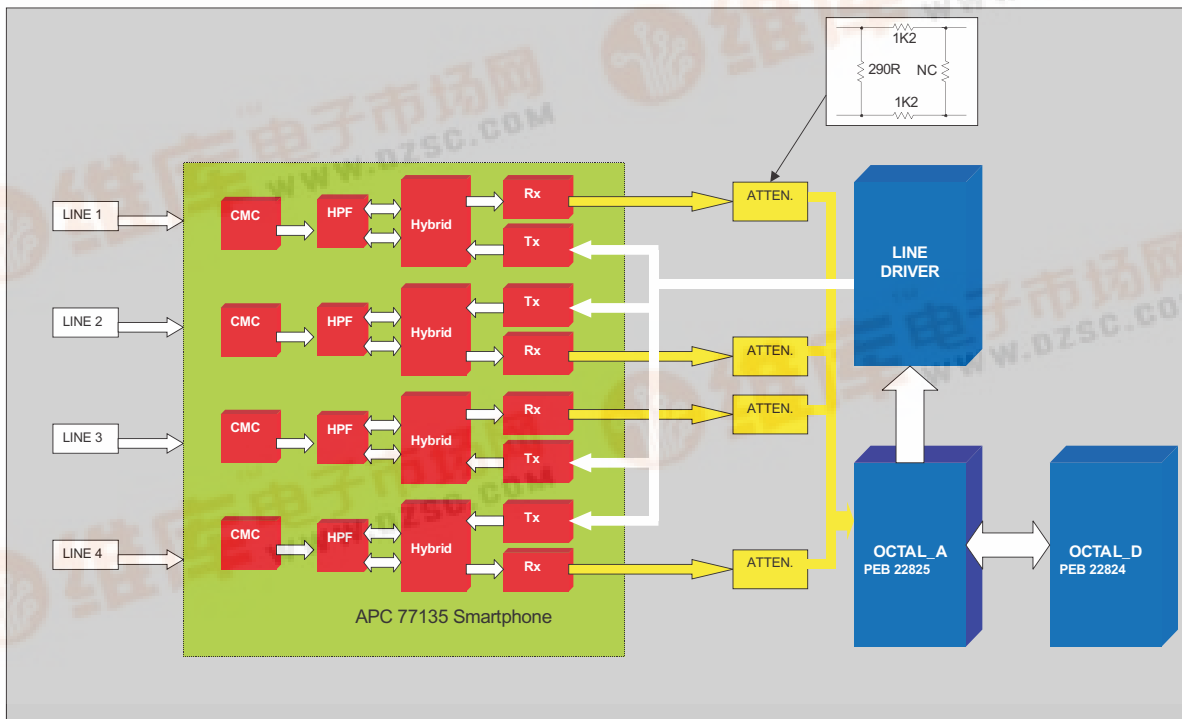
FEATURES

- Transhybrid Loss >15dBmin
- Incorporates xDSL choke >35dBmin
- Miniature footprint for increased Line-card density
- Provides 1500Vrms isolation voltage

ELECTRICAL SPECIFICATIONS@25°C

Description	Passband Freq	Impedance
HPF	900kHz-8MHz	120 ohms
TX BPF	900kHz-8MHz	40 ohms
RX BPF	4MHz-8MHz	270 ohms

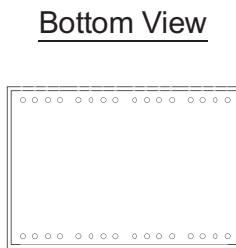
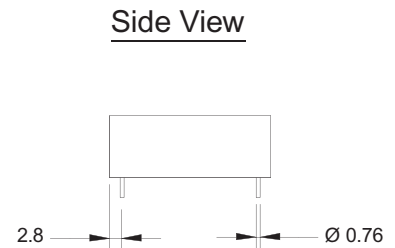
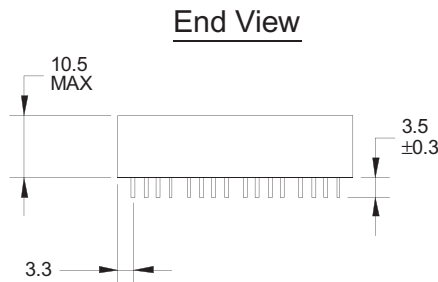
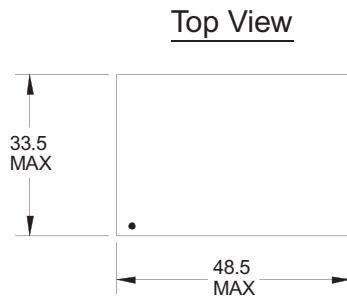
BLOCK DIAGRAM



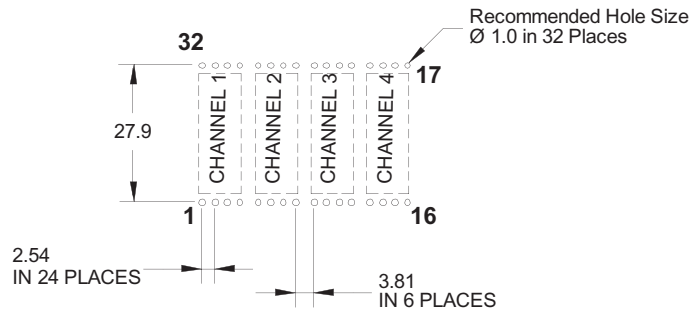


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MECHANICAL



Recommended P.C.B Pad Layout



Signal	Channel 1	Channel 2	Channel 3	Channel 4
Line +	Pin 2	Pin 6	Pin 10	Pin 14
Line -	Pin 3	Pin 7	Pin 11	Pin 15
Tx +	Pin 29	Pin 27	Pin 21	Pin 19
Tx -	Pin 30	Pin 28	Pin 22	Pin 20
Rx +	Pin 31	Pin 25	Pin 23	Pin 17
Rx -	Pin 32	Pin 26	Pin 24	Pin 18
N/C	Pin 1, 4	Pin 5, 8	Pin 9, 12	Pin 13, 16

ALL DIMENSIONS IN MM.
TOLERANCE 0.15MM UNLESS OTHERWISE STATED.

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