



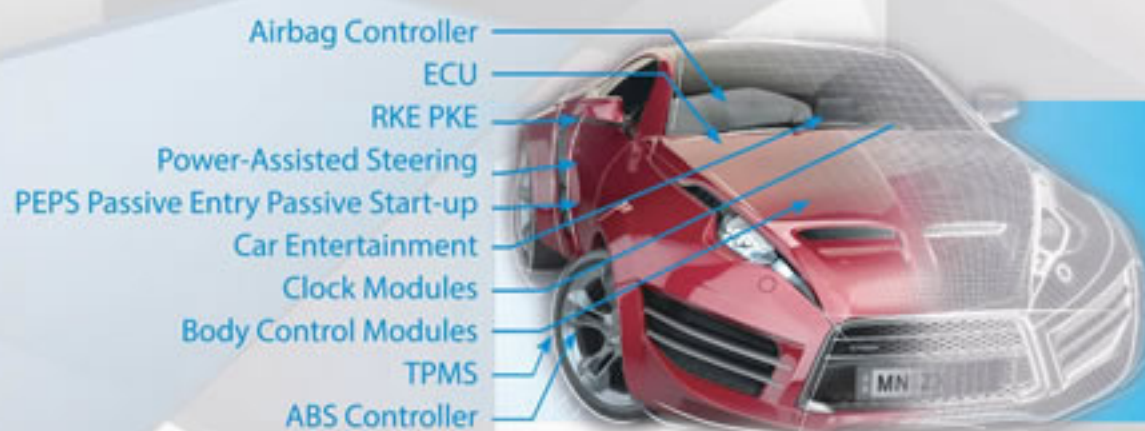
Hong Kong Automotive X'tals Ltd



Quartz Crystal & Clock Oscillator Automotive and Autonomous Driving

Clock Oscillators for Autonomous Driving

Applications	Frequencies (MHz)	Output	Jitter RMS (ps)	Packages
10GbE PHY	156.25	HCSL, LVDS, LVPECL, CML	<0.35	3225, 2520
NVLink	156.25	HCSL, LVDS, LVPECL, CML	< 0.25	3225, 2520
ECU	133.33	HCSL, LVDS, LVPECL, CML	< 1	3225, 2520
PCIe Gen 1/2/3/4	100	HCSL, LVDS, LVPECL, CML	< 0.5	3225, 2520
ADAS Camera System	27	CMOS		3225, 2520
Ethernet Switch	25	CMOS		3225, 2520



Strong Technical
Support for Crystal
Matching

- Drive Power
- Negative Resistance
- Load Capacitance

High Precision Crystals for Automotive Applications

Applications	Frequencies (MHz)	Packages
Airbag Controller	5, 40	HC49US, 3225, 2520
RKE	13.08, 13.56, 18.08	3225, 2520
TPMS	13.08, 13.56, 16, 18.08, 26	3225, 2520
Body Control Module, PEPS	8, 18.08, 24.305	HC49US, 5032, 3225, 2520
ABS Controller	8	HC49US, 5032
Rotary E-shifter	16, 40	3225, 2520
ECU	16, 40	3225, 2520
Bluetooth Module	16, 26, 32	3225, 2520
Driving Assistant System	16, 26	3225, 2520
Dashboard	4, 8	HC49US, 5032
Car Audio	13.2, 16, 27, 30	3225, 2520, 2016
Car Camera	27	3225, 2520, 2016
Car Alarm, Remote Starter	30	3225, 2520
Display	27	3225, 2520
Transceiver	16	3225, 2520
GPS Navigation System	8, 12, 27	HC49US, 5032, 3225, 2520

Remarks: for other applications, you are welcome to check with us for details!!

AEC-Q200 Compliance



Hong Kong Automotive X'tals Ltd

Unit C, 24/F., Shield Industrial Centre, 84-92 Chai Wan Kok Street,
Tsuen Wan, N.T. Hong Kong.

Tel: +852-3511 2388 Fax: +852-3511 2420 Email: hkapia@hongkongcrystal.com



IATF16949:2016
Certificate HK1700172



ISO 14001:2015
Certificate SGS CN1701300



ISO 9001:2015
Certificate HK1700191



OHSAS 18001:2007
Certificate SGS CN1701301

www.hongkongcrystal.com