

2.5 V 1:5 Dual Differential LVDS Compatible Clock Driver

MC100EP210S

Description

The MC100EP210S is a low skew 1

MC100EP210S

Table 2. ATTRIBUTES

Characteristics	Value	
ESD Protection	Human Body Model	> 2 kV
	Machine Model	> 100 V
	Charged Device Model	> 2 kV
Moisture Sensitivity, Indefinite Time Out of Drypack (Note 1)	Pb Pkg	Pb-Free Pkg
	LQFP-32	Level 2
	QFN-32	Level 2 Level 1
Flammability Rating	Oxygen Index: 28 to 34	UL 94 V-0 @ 0.125 in
Transistor Count	461 Devices	
Meets or exceeds JEDEC Spec EIA/JESD78 IC Latchup Test		

1. For additional information, refer to Application Note [AND8003/D](#).

Table 3. MAXIMUM RATINGS

Symbol	Parameter
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MC100EP210S

Table 4. DC CHARACTERISTICS $V_{CC} = 2.5\text{ V}$, $V_{EE} = 0\text{ V}$ (Note 2)

Symbol	Characteristic	40°C			25°C			85°C			Unit
		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
I_{EE}	Power Supply Current		150	200		150	200		150	200	mA
V_{OH}	Output HIGH Voltage (Note 3)	1250	1400	1550	1250	1400	1550	1250	1400	1550	mV
V_{OL}	Output LOW Voltage (Note 3)	800	950	1100	800	950	1100	800			

MC100EP210S

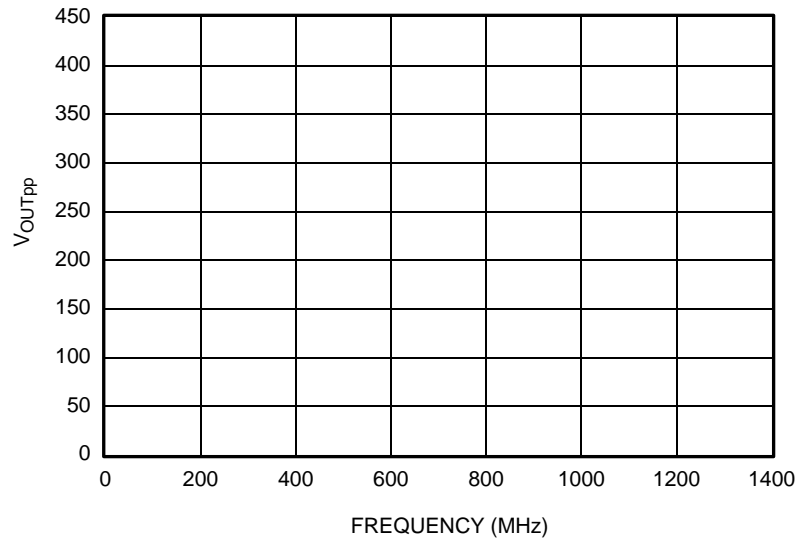


Figure 2. F_{max}

MC100EP210S

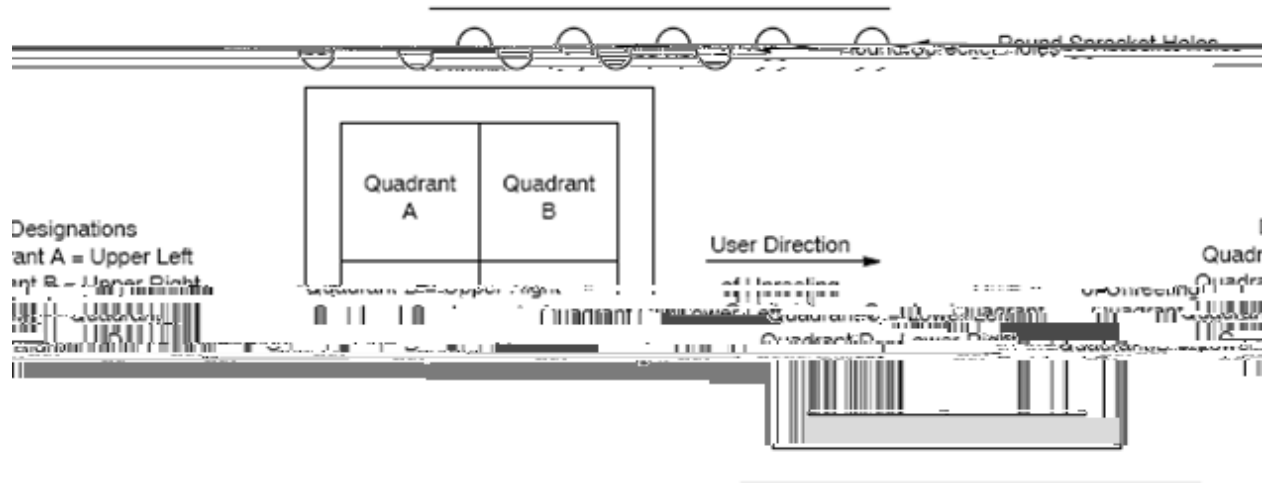
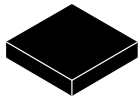


Figure 4. Tape and Reel Pin 1 Quadrant Orientation

ORDERING INFORMATION

Device	Package	Shipping†
MC100EP210SFAG	LQFP-32 (Pb-Free)	250 Units / Tray
MC100EP210SFAR2G	LQFP-32 (Pb-Free)	2000 / Tape & Reel (Pin 1 Orientation in Quadrant B, Figure 4)
MC100EP210SMNG	QFN-32 (Pb-Free)	72 Units / Tray
MC100EP210SMNR4G	QFN-32 (Pb-Free)	1000 / Tape & Reel

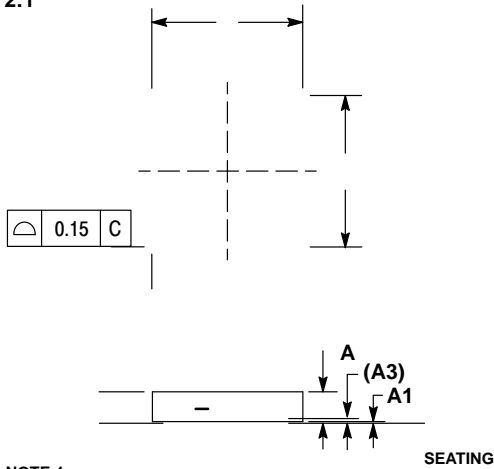
†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, [BRD8011/D](#).



QFN32 5x5, 0.5P
CASE 488AM
ISSUE A

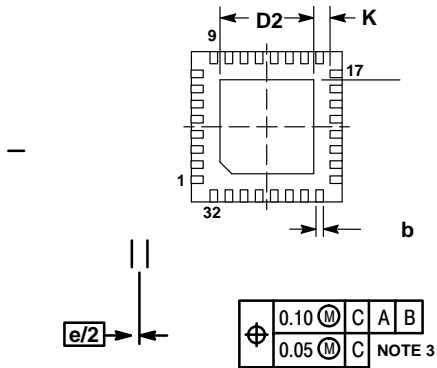
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SCALE 2:1



NOTE 4

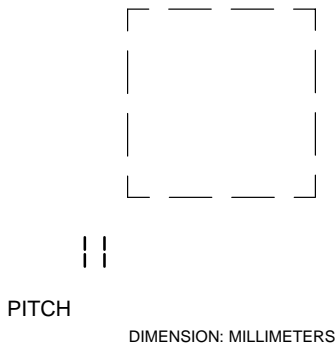
	MAX
A1	0.80 1.00
A3	0.20 REF 0.05
b	0.18 0.30
D	5.00 BSC
D2	2.95 3.25
E	5.00 BSC
E2	2.95 3.25
e	0.50 BSC
K	0.20
L	0.30 0.50
L1	0.15



XXXXXXXXXX
XXXXXXXXXX
AWLYYYWW■

■Free indicator, "G" or

RECOMMENDED



PITCH

DIMENSION: MILLIMETERS

DOCUMENT NUMBER:	98AON20032D	

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