

# **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**

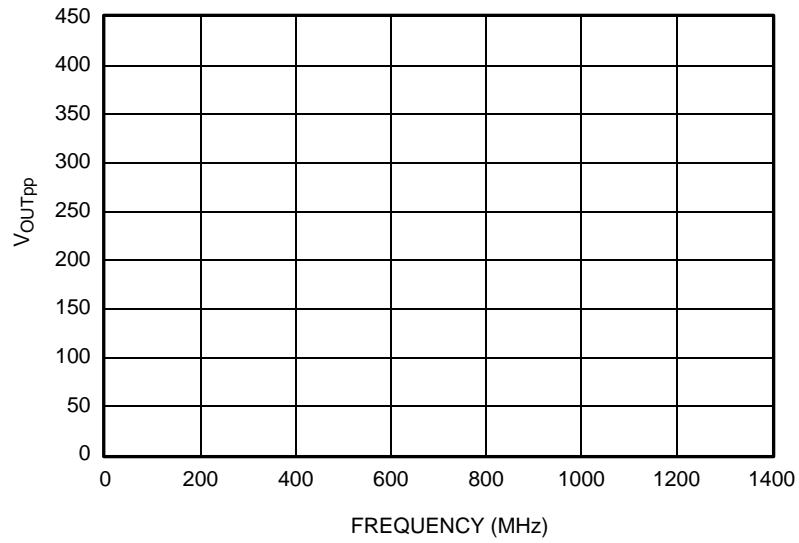
Symbol	Parameter
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# MC100EP210S

**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<sub>max</sub>**

# MC100EP210S

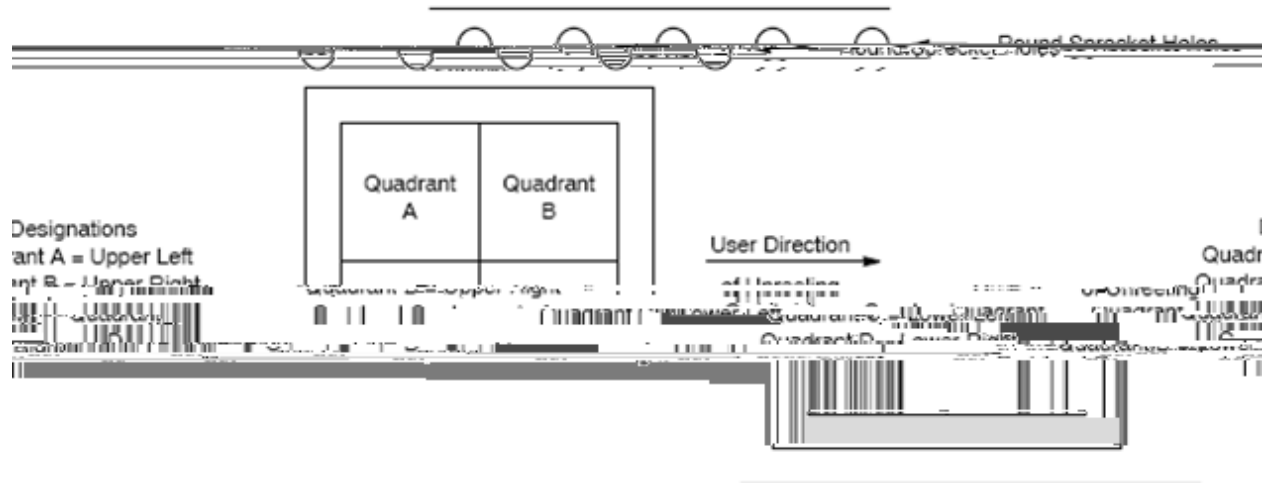
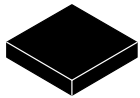


Figure 4. Tape and Reel Pin 1 Quadrant Orientation

## ORDERING INFORMATION

Device	Package	Shipping <sup>†</sup>
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

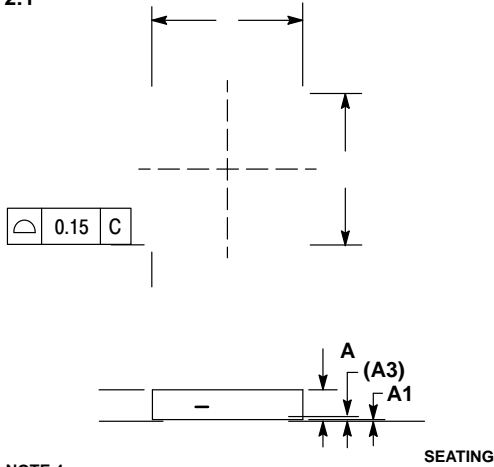
<sup>†</sup>For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, [BRD8011/D](#).



**QFN32 5x5, 0.5P**  
CASE 488AM  
ISSUE A

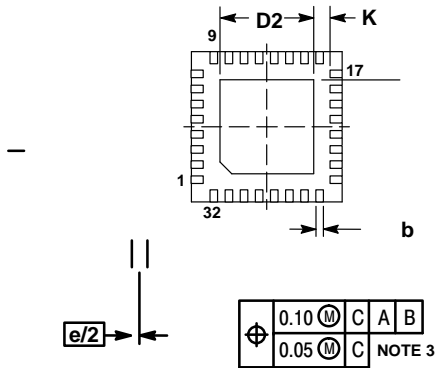
DATE 23 OCT 2013

SCALE 2:1



NOTE 4

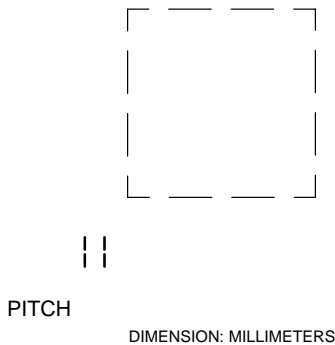
	MAX
A1	0.80 1.00
A3	0.20 REF 0.05
b	0.18 0.30
D	5.00 BSC
D2	2.95 3.25
E	5.00 BSC
E2	2.95 3.25
e	0.50 BSC
K	0.20
L	0.30 0.50
L1	0.15



XXXXXXXXXX  
XXXXXXXXXX  
AWLYYYWW■

■Free indicator, "G" or

**RECOMMENDED**



PITCH

DIMENSION: MILLIMETERS

<b>DOCUMENT NUMBER:</b>	<b>98AON20032D</b>	

**LQFP-32, 7x7**  
CASE 561AB  
ISSUE O

DATE 19 JUN 200



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