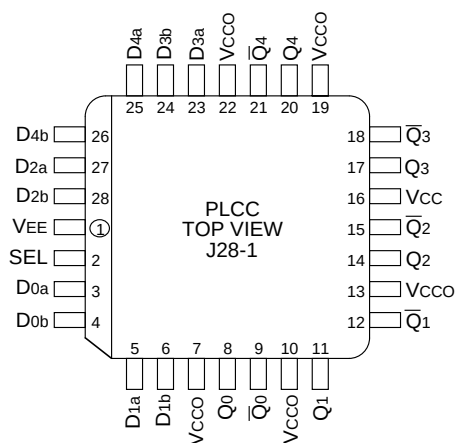


PACKAGE/ORDERING INFORMATION



28-Pin PLCC (J28-1)

Ordering Information⁽¹⁾

Part Number	Package Type	Operating Range	Package Marking	Lead Finish
SY10E158JC	J28-1	Commercial	SY10E158JC	Sn-Pb
SY10E158JCTR ⁽²⁾	J28-1	Commercial	SY10E158JC	Sn-Pb
SY100E158JC	J28-1	Commercial	SY100E158JC	Sn-Pb
SY100E158JCTR ⁽²⁾	J28-1	Commercial	SY100E158JC	Sn-Pb
SY10E158JZ ⁽³⁾	J28-1	Commercial	SY10E158JZ with Pb-Free bar-line indicator	Matte-Sn
SY10E158JZTR ^(2, 3)	J28-1	Commercial	SY10E158JZ with Pb-Free bar-line indicator	Matte-Sn
SY100E158JZ ⁽³⁾	J28-1	Commercial	SY100E158JZ with Pb-Free bar-line indicator	Matte-Sn
SY100E158JZTR ^(2, 3)	J28-1	Commercial	SY100E158JZ with Pb-Free bar-line indicator	Matte-Sn

Notes:

1. Contact factory for die availability. Dice are guaranteed at $T_A = 25^\circ\text{C}$, DC Electricals only.
2. Tape and Reel.
3. Pb-Free package is recommended for new designs.

TRUTH TABLE

SEL	Data
H	a
L	b

DC ELECTRICAL CHARACTERISTICSV_{EE} = V_{EE} (Min.) to V_{EE} (Max.); V_{CC} = V_{CCO} = GND

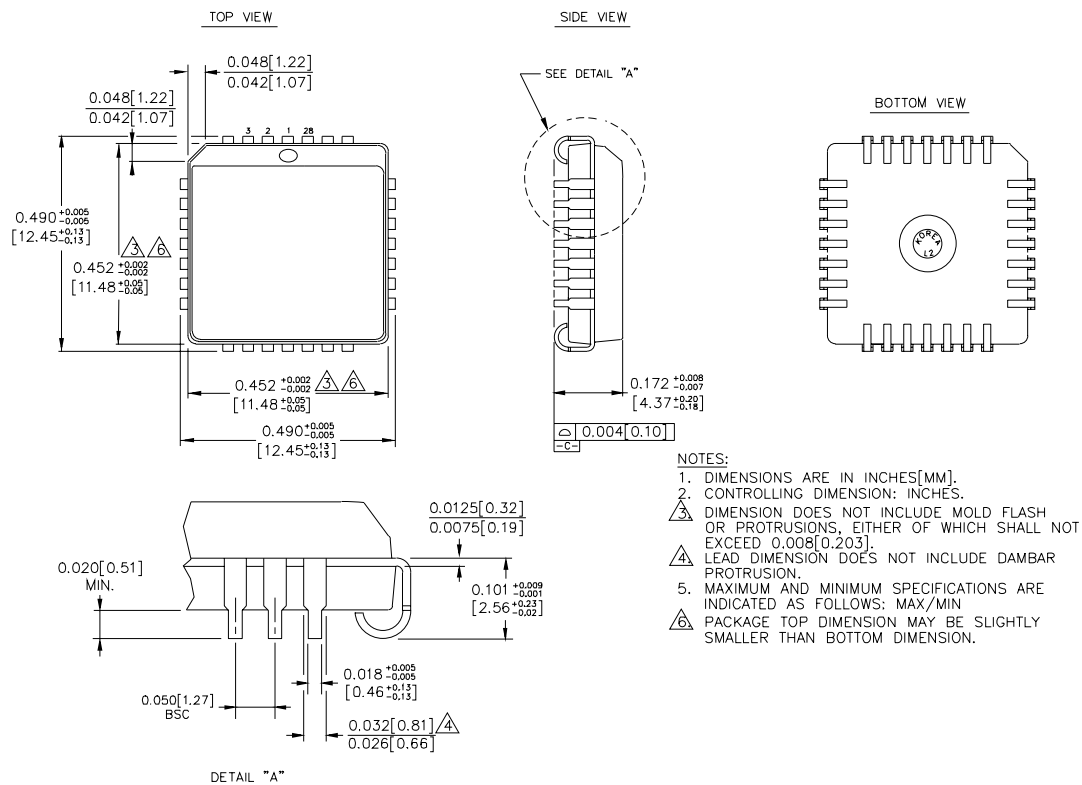
Symbol	Parameter	T _A = 0°C			T _A = +25°C			T _A = +85°C			Unit	Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.		
I _{IH}	Input HIGH Current D SEL	—	—	200 150	—	—	200 150	—	—	200 150	μA	—
I _{EE}	Power Supply Current 10E 100E	—	33 33	40 40	—	33 33	40 40	—	33 38	40 46	mA	—

AC ELECTRICAL CHARACTERISTICSV_{EE} = V_{EE} (Min.) to V_{EE} (Max.); V_{CC} = V_{CCO} = GND

Symbol	Parameter	T _A = 0°C			T _A = +25°C			T _A = +85°C			Unit	Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.		
t _{PD}	Propagation Delay to Output D SEL	225 400	385 600	550 775	225 400	385 600	550 775	225 400	385 600	550 775	ps	—
t _{skew}	Within-Device Skew	—	60	—	—	60	—	—	60	—	ps	1
t _r t _f	Rise/Fall Time 20% to 80%	275	425	650	275	425	650	275	425	650	ps	—

Note:

1. Within-device skew is defined as identical transitions on similar paths through a device.

28-PIN PLCC (J28-1)

Rev. 03

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