



Shenzhen Fuman Electronics Group Co., Ltd.

SHEN ZHEN FINE MAD ELECTRONICS GROUP CO., LTD.

TC7258E/X TC7258EN/X (Document No.: S&CIC1475) 8 Passageway LED Display Screen Drawing Extinguishing Control Drive Core

overview

TC7258E/X, TC7258EN/X This is a special purpose LED screen display screen design.

Internally integrated power consumption power line, 74HC138 38 power supply efficiency tube.

TC7258E/X, TC7258EN/X Residual current on the constant current absorption line after the opening of the internal lowering tube when the power supply is closed

Due to the load, the effect of removing the shadow, and the improvement of the performance at the same time, the LED leakage, the caterpillar phenomenon that creates a short circuit.

TC7258E/X, TC7258EN/X Unique functional technology, complete elimination of ghost image, which is displayed on the market with LED display screen

The core piece with the best effect.

TC7258E/X TC7258EN/X Adopted SOP-16 sealed type, internal integrated thermal protection tube.

Features

- Collected 138 books.
- Integrated 8 efficiency tubes, transmission resistance 100 mm, maximum current 2.5A.
- Integrated fire protection efficiency management, with flow and short circuit protection.
- Removable LED shadow effect.
- Improved LED leakage and short circuit caterpillar phenomenon.
- Adopted SOP-16 encapsulation.

References and clarifications

	Ordinal	name	footnote explanation
	1	VDD power supply input	
	2	C.	C ground line
	3	OUT1 voltage output terminal	
	Four	OUT2 voltage output terminal	
	Five	OUT3 voltage output terminal	
	6	OUT4 voltage output terminal	
	7	ENH Usable high voltage	
	8	GND Core strip	
	9	VDD power supply input	
	Ten	ENL Usable low voltage	
	11	OUT5 voltage output terminal	
	12	OUT6 voltage output terminal	
	13	OUT7 voltage output terminal	
	14	OUT8 voltage output terminal	
	15	A.	A ground line
	16	B.	B ground line

Note: PIN1 and PIN9 must be VDD, but the internal IC must be interconnected.



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Absolute maximum price

sign	Reference	Fixed	head position
VDD	number Power	value 6.5	V.
VA, B, C, ENH, ENL	supply voltage	6.5	V.
PD	Positive voltage Maximum	625	MW
TSTG	wear rate Survival temperature range	-55 to 150	°C
TOPRMore	Ambient temperature during IC work	-40 to 85	°C

hot and cold number

sign	Reference	°C	head position
R _{JA}	number Resulting in maximum environmental heat	125	°C/W

DC characteristics (T_J=25°C, under certain specified circumstances)

sign reference number	Test conditions	Minimum weight	typical	maximum weight	unit
IDD static current wear	VDD=5V		1		mA
RDS	VDD=5V, IO=1A		90		mΩ
	VDD=4V, IO=1A		95		mΩ
VIH high voltage input voltage	VDD=5V	3			V.
VIL low voltage input voltage	VDD=5V			2	V.
IO maximum working current	VDD=5V			2.5	A.

AC characteristics (T_J=25°C, under certain specified conditions)

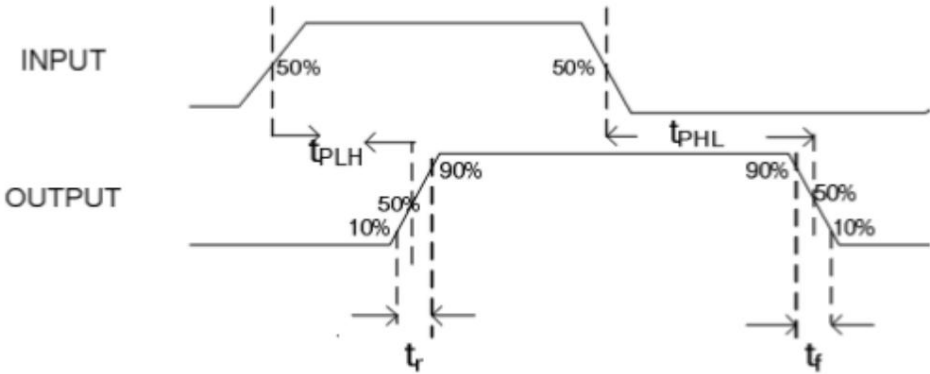
Code Test condition number	Minimum value	typical	maximum weight	unit
TPLH Output rise time VDD=5V CL=15pF		70		nS
TPHL Output fall delay VDD=5V CL=15pF Output rise VDD=5V		80		nS
Tr CL=15pF Output fall VDD=5V CL=15pF		30		nS
Tf		3.2		ms



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truthfulness

Imported part				export part										
ENH	ENL	C	BA	OUT1	OUT2	OUT3	OUT4	OUT5	OUT6	OUT7	OUT8			
H.	L.	LLL	H				L.	L.	L.	L.	L.	L.	L.	L.
		LLH	L				H.	L.	L.	L.	L.	L.	L.	L.
		LHL	L				L.	H.	L.	L.	L.	L.	L.	L.
		LHH	L				L.	L.	H.	L.	L.	L.	L.	L.
		HLL	L				L.	L.	L.	H.	L.	L.	L.	L.
		HLH	L				L.	L.	L.	L.	H.	L.	L.	L.
		HHL	L				L.	L.	L.	L.	L.	H.	L.	L.
		HHH	L				L.	L.	L.	L.	L.	L.	L.	H.
HHxxxL						L.	L.	L.	L.	L.	L.	L.	L.	
L.	LxxxL						L.	L.	L.	L.	L.	L.	L.	

Note: 1) Import partial ENH, ENL, A, B, C prohibited floating air, high demand or low voltage.

2) Input partial H representative high voltage level, L representative low voltage level.

3) Export partial H representative, L representative.

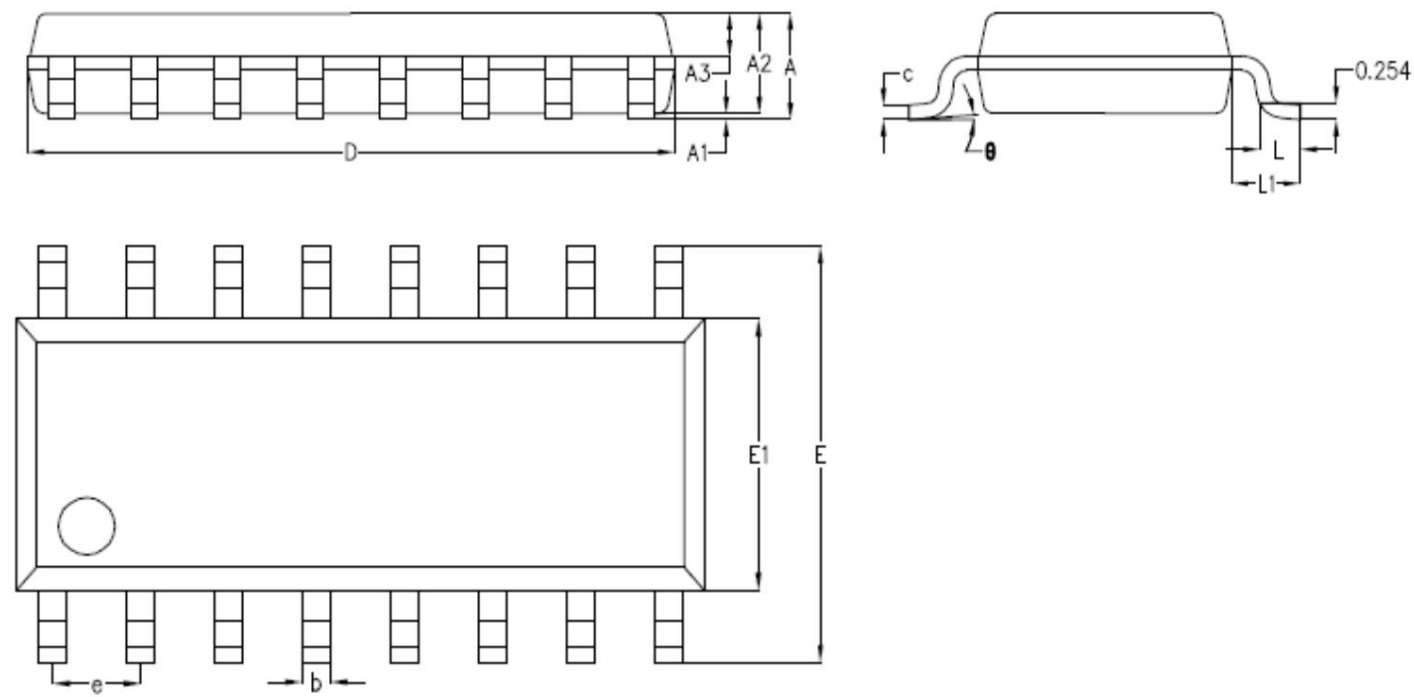


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Sealed information

ÿ SOP-16



SYMBOL	Millimeter		
	MIN	NOMMore	MAX
A.	--	1.61	1.66
A1	--	0.10	0.25
A2	1.47	1.52	1.57
A3	0.61	0.66	0.71
b	0.35	0.40	0.45
c	0.17	0.22	0.25
D.	9.80	9.90	10.0
E.	5.90	6.00	6.10
E1	3.80	3.90	4.00
e	1.27BSC		
L.	0.60	0.65	0.70
L1	1.05BSC		
ÿ	0°	4°	6°