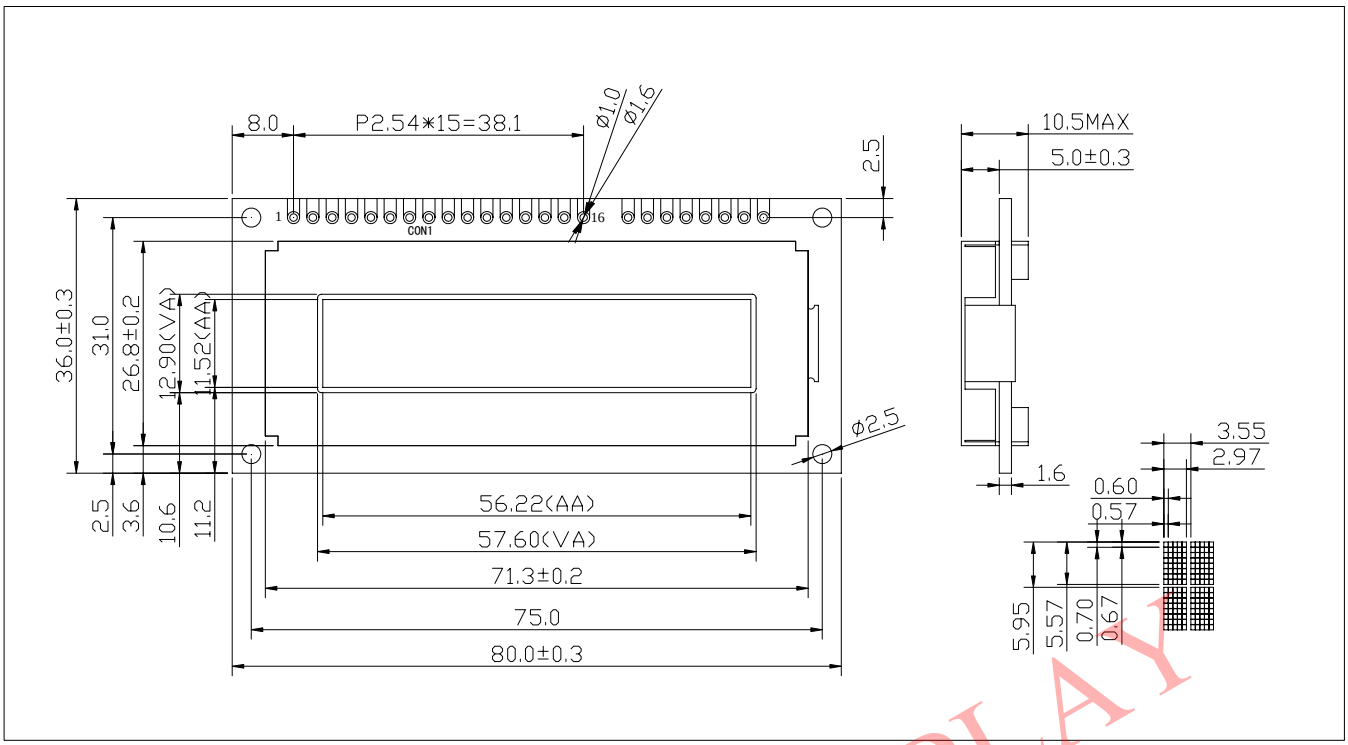


TSINGTEK DISPLAY

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+5.0V	Power Supply for logic
3	NC	-	No connection
4	RS	H/L	H：Data L：Command
5	R/W	H/L	H：Read L：Write
6	E	H-L	Chip Enable signal
7~14	DB0~DB7	H/L	Data bus
15~16	NC	-	No connection

NOTES:

1. controller compatible with KS0066
2. 3.3V/5V power supply optional
3. Parallel(4-/8-bit 6800/8080) / Serial(3-/4-wire SPI/I^{2}C) interface optional
4. Display color :White

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	80.0X36.0X10.5	mm
Viewing Area (W x H)	57.6X12.9	mm
Character Size(W x H)	2.97×5.57	mm
Dot Size (W x H)	0.57×0.67	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	0	5.6	V
Input Voltage	V_I	0	V_{DD}	V
Operating Temp.	$T_{OPR.}$	-40	+80	℃
Storage Temp.	$T_{STG.}$	-40	+80	℃

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25℃)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.7 V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.3V_{DD}	V
Output High Voltage	V_{OH}	0.7 V_{DD}	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.3V_{DD}	V
Supply Current	I_{DD}	-	TBD	-	mA